



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : VF2-L57-750-MF\_.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
 [TEST]ATAL009602-R2  
 [TESTLAB]ATAL-LABS  
 [ISSUE DATE]28 NOV 2022  
 [MANUFACTURER]WILLIAMS OUTDOOR  
 [OTHER]H.E. WILLIAMS, INC. - CARTHAGE, MO.  
 [LUMINAIRE]VF2-L57-750-MF-MTG-CLR-OPT-DIM-UNV  
 [LUMINAIRE]VOLTAIRE MEDIUM ARCHITECTURAL FLOOD LIGHT WITH  
 [MORE]MEDIUM FLOOD MOLDED REFRACTIVE CLEAR ACRYLIC LENS AND A CLEAR  
 [MORE]GLASS LENS.  
 [LAMP]CAT]LUXEON TX 5000K LED  
 [BALLAST](1) PHILIPS ELECTRONIC DRIVER  
 [OTHER]INPUT WATTS: 43, AMPS: 0.4464, VAC: 120.05, TEMP: 25.0 C  
 [SEARCH\_SOURCE TYPE] LED  
 [SEARCH\_APPLICATION] Outdoor, Architectural, Facade, Landscape, Parking, Site, Flood, Wet Location  
 [SEARCH\_MOUNTING] Arm, Ground, Pole, Post Top, Wall  
 [SEARCH\_CERTIFICATION] DLC  
 [SEARCH\_CLASSIFICATION] IP66

Note: Candela values converted from Type-B to Type-C

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5700
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	133
Total Luminaire Watts	43
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.16
Spacing Criterion (90-270)	1.16
Spacing Criterion (Diagonal)	1.02
Basic Luminous Shape	Unknown
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.69 ft
Luminous Height	0.00 ft

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VF2-L57-750-MF\_.IES**

**LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	0	0	0
55	0	0	0
65	0	0	0
75	0	0	0
85	0	0	0

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VF2-L57-750-MF\_.IES**

**CANDELA TABULATION**

	<u>0.0</u>	<u>2.5</u>	<u>5.0</u>	<u>7.5</u>	<u>10.0</u>	<u>12.5</u>	<u>15.0</u>	<u>17.5</u>	<u>20.0</u>	<u>22.5</u>
<b>0.0</b>	3800.247	3800.247	3800.247	3800.247	3800.247	3800.247	3800.247	3800.247	3800.247	3800.247
<b>2.5</b>	3656.901	3656.278	3655.925	3655.840	3656.021	3656.466	3657.173	3658.139	3659.359	3660.830
<b>5.0</b>	3560.284	3560.442	3560.904	3561.648	3562.654	3563.933	3569.532	3574.236	3579.141	3584.232
<b>7.5</b>	3607.013	3609.332	3610.916	3611.744	3613.880	3615.434	3616.245	3616.313	3612.955	3616.546
<b>10.0</b>	3731.415	3735.075	3737.837	3740.943	3743.726	3745.654	3746.743	3747.012	3753.067	3758.583
<b>12.5</b>	3829.295	3832.173	3833.868	3839.358	3843.213	3846.395	3851.213	3858.985	3866.452	3873.686
<b>15.0</b>	3867.183	3868.682	3871.440	3875.858	3880.238	3886.427	3896.270	3906.345	3915.344	3930.899
<b>17.5</b>	3808.330	3806.352	3810.228	3817.737	3826.730	3840.882	3855.516	3869.717	3886.818	3905.588
<b>20.0</b>	3693.316	3687.757	3692.416	3700.988	3713.070	3733.119	3744.663	3758.844	3776.429	3790.169
<b>22.5</b>	3537.551	3530.304	3535.319	3543.328	3554.191	3568.070	3578.329	3590.384	3598.328	3605.408
<b>25.0</b>	3368.104	3358.592	3361.042	3365.923	3369.878	3375.247	3375.959	3377.151	3371.914	3368.794
<b>27.5</b>	3163.173	3150.254	3151.591	3150.312	3144.189	3134.631	3127.153	3111.321	3105.249	3085.630
<b>30.0</b>	2898.809	2881.337	2885.254	2877.990	2866.081	2845.893	2827.047	2801.120	2776.024	2758.771
<b>32.5</b>	2558.599	2533.215	2538.202	2520.019	2497.051	2472.734	2438.640	2408.970	2390.307	2362.218
<b>35.0</b>	2056.099	2040.469	2049.863	2037.125	2027.000	2019.560	1997.488	1984.117	1971.215	1937.512
<b>37.5</b>	1513.026	1509.016	1516.574	1506.481	1506.106	1507.820	1508.646	1509.557	1504.741	1497.819
<b>40.0</b>	1102.564	1101.601	1108.423	1109.689	1114.630	1118.230	1119.343	1118.535	1109.357	1101.034
<b>42.5</b>	692.102	696.115	711.055	732.667	755.658	780.830	802.214	821.311	837.536	849.723
<b>45.0</b>	625.165	625.747	629.100	633.631	637.649	641.778	641.426	641.607	639.806	633.852
<b>47.5</b>	558.228	558.955	561.188	564.949	569.780	574.951	580.238	584.337	587.378	587.231
<b>50.0</b>	533.390	534.264	535.098	536.321	537.864	538.921	540.754	542.055	544.850	547.795
<b>52.5</b>	508.552	510.063	510.852	512.097	513.376	513.663	514.141	514.755	516.080	517.484
<b>55.0</b>	483.714	485.887	486.544	487.936	488.759	487.949	487.315	486.785	486.752	487.180
<b>57.5</b>	438.879	440.035	441.017	442.787	444.750	446.471	447.899	449.126	451.301	454.060
<b>60.0</b>	394.044	393.952	394.539	395.255	397.036	399.980	401.069	402.263	404.667	406.363
<b>62.5</b>	349.208	347.863	348.021	347.490	349.419	353.834	354.106	355.367	357.616	358.265
<b>65.0</b>	304.373	301.769	301.468	299.519	301.886	307.115	307.160	308.870	310.242	309.985
<b>67.5</b>	271.852	270.178	270.255	267.478	270.144	272.001	271.034	271.641	270.371	267.344
<b>70.0</b>	239.331	238.729	239.651	236.835	240.293	240.206	239.411	241.055	239.584	236.883
<b>72.5</b>	206.809	207.297	209.115	206.598	210.052	208.682	207.643	210.802	209.041	206.549
<b>75.0</b>	174.288	175.877	178.634	176.392	179.493	177.379	175.766	180.812	178.713	176.331
<b>77.5</b>	130.716	132.698	135.837	135.271	137.794	137.442	136.410	142.088	140.954	140.177
<b>80.0</b>	87.144	89.444	92.767	93.458	95.274	96.034	95.471	99.622	99.315	99.521
<b>82.5</b>	43.572	46.180	49.695	51.543	52.937	54.542	54.727	57.394	57.856	59.052
<b>85.0</b>	0.000	2.906	6.617	9.556	10.724	12.984	14.118	15.247	16.508	18.706
<b>87.5</b>	0.000	1.420	3.167	4.459	4.806	5.656	5.884	5.959	6.155	6.829
<b>90.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

**Vert.  
Angles**

**Horizontal Angles**

	<u>25.0</u>	<u>27.5</u>	<u>30.0</u>	<u>32.5</u>	<u>35.0</u>	<u>37.5</u>	<u>40.0</u>	<u>42.5</u>	<u>45.0</u>	<u>47.5</u>
<b>0.0</b>	3800.247	3800.247	3800.247	3800.247	3800.247	3800.247	3800.247	3800.247	3800.247	3800.247
<b>2.5</b>	3662.956	3667.196	3671.057	3675.105	3679.332	3683.729	3688.286	3692.994	3697.845	3702.828
<b>5.0</b>	3589.494	3594.912	3600.470	3606.155	3611.951	3617.324	3629.044	3639.059	3648.897	3658.538
<b>7.5</b>	3622.830	3631.972	3640.749	3649.152	3657.170	3664.793	3672.011	3676.457	3690.138	3698.915
<b>10.0</b>	3760.102	3767.381	3770.420	3777.532	3784.594	3791.402	3797.982	3804.347	3807.686	3822.899
<b>12.5</b>	3883.118	3894.996	3904.848	3912.384	3920.086	3928.882	3938.297	3948.371	3958.748	3964.908
<b>15.0</b>	3945.806	3961.943	3978.120	3988.615	4000.390	4012.426	4019.712	4029.004	4035.780	4041.389
<b>17.5</b>	3922.868	3939.007	3958.928	3973.517	3977.748	3986.870	3997.407	4005.320	4002.325	4005.846
<b>20.0</b>	3804.228	3823.639	3829.070	3847.472	3847.467	3847.965	3854.402	3861.990	3858.349	3862.411
<b>22.5</b>	3612.621	3614.686	3624.601	3618.705	3618.281	3616.248	3615.899	3623.356	3618.271	3619.907
<b>25.0</b>	3361.246	3356.293	3342.627	3334.937	3322.199	3316.858	3313.525	3311.439	3311.895	3315.764
<b>27.5</b>	3070.165	3047.377	3028.101	3007.858	2995.085	2987.644	2981.006	2977.101	2979.874	2982.798
<b>30.0</b>	2723.433	2697.480	2673.684	2661.022	2654.131	2640.146	2631.577	2629.123	2624.396	2621.221

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VF2-L57-750-MF\_IES**

**CANDELA TABULATION - (Cont.)**

32.5	2334.890	2313.326	2301.217	2292.708	2276.957	2266.921	2259.571	2252.725	2249.049	2246.477
35.0	1913.181	1898.431	1894.944	1888.388	1882.083	1880.549	1862.423	1857.719	1855.951	1856.107
37.5	1497.199	1496.461	1491.746	1482.801	1480.806	1478.278	1476.516	1473.904	1470.881	1473.830
40.0	1102.637	1116.735	1124.548	1131.979	1134.775	1130.111	1125.858	1132.132	1136.567	1129.940
42.5	854.507	853.061	843.674	834.613	848.528	866.414	871.565	869.878	853.579	864.946
45.0	645.092	668.937	684.627	691.864	693.094	685.470	678.456	691.096	695.841	687.607
47.5	586.348	585.436	583.396	580.364	592.378	600.978	601.385	597.073	591.890	590.945
50.0	549.748	551.411	552.016	549.322	547.145	546.806	547.683	549.958	547.803	546.561
52.5	518.984	519.994	520.476	519.525	517.307	516.019	514.733	514.001	513.523	513.086
55.0	487.838	488.780	488.374	487.352	485.519	484.028	483.503	482.147	481.932	481.662
57.5	456.826	457.148	457.028	455.478	453.736	452.232	451.137	450.103	450.994	451.228
60.0	409.054	412.563	416.731	419.711	422.404	421.074	418.828	416.208	414.351	409.926
62.5	360.342	363.191	366.315	369.244	372.623	377.206	379.318	380.910	367.021	355.118
65.0	311.465	313.662	316.077	318.827	321.201	323.839	324.180	324.425	310.304	292.237
67.5	265.275	263.988	265.996	267.951	269.456	269.449	268.622	265.622	256.685	247.673
70.0	234.254	231.524	230.448	227.824	224.391	217.490	212.696	212.828	209.895	211.386
72.5	202.941	199.532	198.929	195.448	191.471	185.954	179.964	175.523	171.843	176.221
75.0	171.404	167.837	167.732	163.204	159.234	156.013	151.549	146.313	143.478	146.802
77.5	135.886	133.947	134.698	130.640	128.185	127.422	123.221	117.154	114.813	116.665
80.0	96.188	95.652	96.445	94.054	93.255	93.878	90.991	86.458	85.240	85.937
82.5	56.879	57.473	58.698	58.039	58.262	59.077	57.244	54.681	54.609	55.284
85.0	17.853	19.364	21.305	22.424	23.384	24.394	24.165	23.669	24.126	24.785
87.5	5.818	6.096	6.561	6.737	6.600	6.373	5.783	5.154	4.482	3.758
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

**Vert.  
Angles**

**Horizontal Angles**

	<u>50.0</u>	<u>52.5</u>	<u>55.0</u>	<u>57.5</u>	<u>60.0</u>	<u>62.5</u>	<u>65.0</u>	<u>67.5</u>	<u>70.0</u>	<u>72.5</u>
0.0	3800.247	3800.247	3800.247	3800.247	3800.247	3800.247	3800.247	3800.247	3800.247	3800.247
2.5	3707.935	3713.155	3718.481	3723.901	3729.408	3734.991	3743.700	3746.599	3752.961	3759.382
5.0	3667.966	3678.414	3689.436	3702.937	3716.385	3729.758	3743.034	3756.190	3769.206	3782.060
7.5	3714.927	3732.261	3749.046	3765.254	3780.859	3795.837	3810.166	3826.620	3844.419	3866.730
10.0	3836.806	3849.913	3862.191	3873.608	3883.804	3902.792	3918.125	3935.515	3949.674	3963.648
12.5	3967.799	3971.003	3974.477	3981.072	3991.161	3998.139	4002.643	4008.466	4020.103	4031.337
15.0	4037.797	4036.803	4035.819	4034.374	4034.840	4028.851	4025.876	4024.176	4023.590	4027.878
17.5	4006.812	4005.118	3998.050	3995.007	3997.424	3979.224	3969.091	3962.261	3957.456	3954.680
20.0	3868.544	3861.362	3857.354	3862.972	3851.449	3843.647	3837.792	3828.884	3826.298	3820.056
22.5	3630.658	3624.292	3628.596	3632.266	3637.245	3640.377	3635.197	3637.168	3630.689	3633.331
25.0	3323.013	3340.790	3337.217	3339.464	3349.969	3360.305	3381.112	3383.339	3396.706	3398.097
27.5	2980.940	2985.765	2995.343	3006.910	3021.312	3039.136	3060.413	3085.268	3104.126	3124.623
30.0	2626.447	2628.821	2636.157	2651.159	2668.544	2686.423	2707.683	2734.413	2765.861	2797.458
32.5	2247.545	2252.488	2260.993	2269.362	2283.056	2304.742	2336.220	2347.145	2367.820	2392.443
35.0	1855.571	1857.139	1861.877	1872.928	1882.487	1891.510	1904.101	1920.999	1941.365	1961.789
37.5	1474.678	1474.258	1478.320	1479.645	1482.450	1485.213	1494.073	1500.482	1501.091	1495.812
40.0	1129.233	1136.084	1131.822	1125.938	1134.298	1138.865	1133.426	1117.430	1094.448	1083.179
42.5	866.529	851.016	860.043	871.558	869.849	854.051	839.875	847.625	844.746	830.987
45.0	667.154	685.593	692.263	689.122	681.232	691.206	692.812	682.966	657.914	617.397
47.5	593.062	589.761	589.060	594.722	600.291	601.480	589.735	576.894	577.549	577.477
50.0	545.849	544.243	545.080	548.692	551.224	547.210	545.999	546.057	546.795	546.191
52.5	512.458	512.700	513.555	516.054	518.842	515.961	515.075	515.150	512.673	509.557
55.0	481.972	481.788	482.312	482.260	483.182	483.866	480.307	473.761	469.771	468.464
57.5	450.668	451.201	449.087	447.553	449.468	441.398	432.923	427.339	424.561	424.161
60.0	415.003	413.609	406.972	408.412	401.419	386.832	375.411	375.774	375.682	378.129
62.5	353.775	357.173	355.626	353.062	348.733	337.581	319.512	309.766	328.227	333.700
65.0	294.630	302.060	304.050	302.727	299.093	290.800	278.131	272.715	276.791	290.699
67.5	252.654	257.372	258.880	258.911	256.381	251.341	248.847	245.877	241.772	245.015

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VF2-L57-750-MF\_.IES**

**CANDELA TABULATION - (Cont.)**

<b>70.0</b>	217.240	221.168	221.259	220.611	219.157	218.871	218.954	217.358	213.830	211.076
<b>72.5</b>	183.091	186.044	187.147	187.415	187.113	188.438	189.286	188.601	186.713	182.374
<b>75.0</b>	150.918	152.422	155.074	156.575	155.739	155.850	157.779	161.920	159.806	154.714
<b>77.5</b>	118.211	118.546	119.943	122.088	122.601	122.703	123.081	125.567	127.147	125.328
<b>80.0</b>	85.288	84.342	84.295	85.013	85.742	86.517	87.330	88.004	88.442	88.827
<b>82.5</b>	55.211	54.533	53.341	52.065	50.491	50.870	51.915	53.124	53.742	53.129
<b>85.0</b>	26.209	27.431	28.285	28.637	28.618	28.137	27.045	25.868	24.146	23.959
<b>87.5</b>	4.564	5.507	6.575	7.041	7.578	8.984	10.103	10.704	10.917	10.583
<b>90.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

**Vert. Angles**      **Horizontal Angles**

	<u><b>75.0</b></u>	<u><b>77.5</b></u>	<u><b>80.0</b></u>	<u><b>82.5</b></u>	<u><b>85.0</b></u>	<u><b>87.5</b></u>	<u><b>90.0</b></u>	<u><b>92.5</b></u>	<u><b>95.0</b></u>	<u><b>97.5</b></u>
<b>0.0</b>	3800.247	3800.247	3800.247	3800.247	3800.247	3800.247	3800.247	3800.247	3800.247	3800.247
<b>2.5</b>	3765.852	3772.357	3778.886	3785.425	3791.963	3798.486	3804.983	3811.268	3817.501	3823.669
<b>5.0</b>	3794.733	3811.501	3820.123	3833.234	3846.089	3858.672	3870.972	3882.701	3894.124	3905.230
<b>7.5</b>	3885.756	3904.043	3921.591	3938.464	3955.844	3972.491	3988.427	4003.157	4017.231	4031.398
<b>10.0</b>	3983.286	4003.311	4022.449	4040.742	4058.576	4076.575	4093.885	4109.713	4124.931	4137.484
<b>12.5</b>	4042.163	4056.254	4074.008	4091.288	4108.140	4125.396	4142.508	4158.156	4173.211	4186.233
<b>15.0</b>	4034.870	4042.103	4052.739	4066.467	4080.338	4093.866	4107.146	4122.682	4137.820	4152.667
<b>17.5</b>	3955.366	3961.976	3961.863	3974.883	3991.470	4008.460	4023.033	4034.403	4042.430	4051.183
<b>20.0</b>	3818.467	3823.519	3828.974	3839.864	3858.073	3877.273	3885.707	3898.390	3895.245	3893.959
<b>22.5</b>	3629.840	3633.552	3637.789	3646.214	3651.208	3660.744	3668.899	3679.736	3685.913	3694.347
<b>25.0</b>	3408.920	3417.885	3429.617	3439.150	3448.516	3458.565	3466.825	3471.325	3469.619	3466.752
<b>27.5</b>	3140.760	3159.756	3179.815	3193.234	3206.568	3215.555	3222.893	3219.064	3209.915	3194.622
<b>30.0</b>	2832.624	2857.445	2873.602	2888.733	2901.686	2905.584	2910.176	2899.844	2887.708	2866.612
<b>32.5</b>	2417.318	2439.244	2461.984	2485.499	2501.073	2507.336	2509.975	2494.577	2475.582	2448.558
<b>35.0</b>	1972.139	1978.751	1980.512	1983.279	1982.293	1979.850	1979.760	1970.301	1961.949	1952.553
<b>37.5</b>	1485.696	1472.106	1454.992	1439.669	1427.242	1418.110	1417.041	1415.658	1420.137	1428.008
<b>40.0</b>	1083.040	1076.548	1065.042	1051.696	1040.833	1033.396	1032.470	1033.566	1040.115	1049.864
<b>42.5</b>	805.665	772.382	736.051	699.570	670.623	652.614	647.898	655.887	676.829	706.633
<b>45.0</b>	610.149	608.317	606.563	604.530	604.025	604.438	605.589	606.211	608.119	610.211
<b>47.5</b>	576.021	572.960	569.662	566.340	563.972	563.169	563.280	563.212	564.605	567.785
<b>50.0</b>	543.405	539.489	536.456	535.008	533.165	533.734	533.811	533.314	533.577	534.785
<b>52.5</b>	507.171	505.733	504.080	504.230	503.285	504.481	504.342	503.756	503.632	503.322
<b>55.0</b>	468.325	469.699	470.711	472.847	473.477	475.068	474.873	474.171	473.354	471.610
<b>57.5</b>	426.668	429.347	430.652	429.813	428.461	428.113	427.828	427.734	428.450	429.949
<b>60.0</b>	380.866	383.059	384.324	382.650	381.380	380.679	380.783	380.870	381.889	384.656
<b>62.5</b>	336.205	337.916	338.526	336.661	334.377	333.346	333.737	334.148	336.249	338.622
<b>65.0</b>	293.437	293.778	293.515	291.456	287.947	286.142	286.692	287.390	292.208	293.100
<b>67.5</b>	251.778	251.657	251.476	254.002	252.862	252.566	253.539	254.128	257.664	255.401
<b>70.0</b>	212.868	216.628	219.366	221.631	220.441	219.857	220.387	221.732	224.607	222.955
<b>72.5</b>	180.842	183.664	186.849	188.629	188.398	186.877	187.234	189.619	191.500	190.374
<b>75.0</b>	151.188	151.150	154.733	156.301	156.947	154.156	154.081	157.926	158.899	158.687
<b>77.5</b>	121.264	119.981	122.157	124.251	122.851	119.005	117.455	121.939	124.114	125.535
<b>80.0</b>	89.093	87.111	88.729	89.506	87.112	82.983	80.830	84.993	88.976	91.087
<b>82.5</b>	52.341	53.125	56.693	57.596	54.175	48.085	44.204	49.101	56.196	58.541
<b>85.0</b>	23.786	25.249	28.108	29.881	26.782	15.152	7.578	16.468	27.920	31.872
<b>87.5</b>	9.428	9.242	9.263	10.769	9.513	6.251	3.789	7.143	11.030	12.398
<b>90.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

**Vert. Angles**      **Horizontal Angles**

	<u><b>100.0</b></u>	<u><b>102.5</b></u>	<u><b>105.0</b></u>	<u><b>107.5</b></u>	<u><b>110.0</b></u>	<u><b>112.5</b></u>	<u><b>115.0</b></u>	<u><b>117.5</b></u>	<u><b>120.0</b></u>	<u><b>122.5</b></u>
<b>0.0</b>	3800.247	3800.247	3800.247	3800.247	3800.247	3800.247	3800.247	3800.247	3800.247	3800.247
<b>2.5</b>	3829.759	3835.759	3841.657	3847.439	3853.095	3861.079	3863.809	3868.734	3873.515	3878.144

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VF2-L57-750-MF\_.IES**

**CANDELA TABULATION - (Cont.)**

5.0	3916.010	3925.777	3934.210	3942.360	3950.229	3957.824	3965.145	3972.195	3978.975	3985.485
7.5	4041.001	4050.595	4059.612	4068.069	4074.211	4083.460	4091.748	4100.418	4108.749	4116.763
10.0	4148.774	4159.651	4170.174	4180.454	4191.125	4201.673	4211.124	4220.898	4228.858	4236.220
12.5	4199.170	4212.056	4225.004	4238.074	4251.238	4264.528	4277.624	4291.746	4302.676	4313.152
15.0	4168.340	4184.582	4201.546	4219.698	4237.229	4253.366	4271.530	4290.883	4301.952	4308.190
17.5	4063.758	4087.110	4101.706	4117.693	4133.145	4152.282	4163.625	4177.149	4201.868	4195.705
20.0	3902.703	3919.289	3931.448	3942.342	3956.207	3960.566	3970.525	3973.697	3976.823	3981.907
22.5	3699.707	3708.028	3707.935	3712.834	3709.220	3712.969	3705.979	3706.383	3700.858	3693.682
25.0	3461.428	3451.382	3443.541	3428.965	3420.381	3404.744	3398.231	3380.453	3371.201	3359.067
27.5	3178.743	3154.931	3131.521	3110.011	3085.028	3064.017	3042.982	3025.577	3009.981	2997.040
30.0	2844.285	2821.609	2791.316	2754.190	2721.550	2691.816	2667.563	2644.094	2633.042	2616.859
32.5	2417.512	2387.811	2360.499	2334.630	2310.617	2290.533	2273.550	2251.169	2233.253	2220.233
35.0	1938.395	1928.010	1914.155	1898.532	1878.938	1862.238	1848.522	1839.968	1835.195	1823.919
37.5	1437.096	1446.323	1454.132	1459.735	1461.413	1458.011	1450.345	1443.490	1441.631	1429.092
40.0	1060.081	1068.514	1073.499	1072.521	1081.456	1100.326	1111.696	1114.778	1106.530	1095.375
42.5	741.022	776.224	806.866	829.760	842.519	843.809	836.070	846.897	857.463	854.723
45.0	612.697	615.202	616.865	623.604	661.218	683.954	692.422	689.262	677.944	681.044
47.5	570.646	574.469	577.229	578.795	579.161	578.460	589.156	598.001	594.592	587.274
50.0	535.280	537.343	539.584	542.178	543.234	542.825	541.681	540.008	540.943	536.405
52.5	503.390	502.939	503.257	504.623	506.892	509.071	508.460	506.517	504.432	502.191
55.0	469.428	466.831	464.983	464.920	465.912	469.119	473.844	475.245	473.900	471.746
57.5	428.693	426.983	424.959	422.860	423.037	424.738	428.786	437.131	445.006	441.860
60.0	383.192	382.008	380.845	378.978	376.853	375.793	374.184	385.229	399.830	406.975
62.5	338.225	338.240	337.409	335.544	330.680	311.360	319.926	337.601	349.465	355.881
65.0	294.483	295.534	295.315	293.195	278.713	274.301	279.449	292.118	301.739	306.494
67.5	253.946	254.080	254.246	247.272	243.969	248.028	250.435	252.706	258.827	262.086
70.0	221.876	218.958	215.370	213.885	216.737	219.425	220.942	221.035	221.620	223.568
72.5	188.781	185.734	183.477	185.762	189.108	191.228	192.129	191.399	190.075	190.429
75.0	156.242	153.133	153.609	156.842	163.030	165.473	161.407	159.491	159.350	160.057
77.5	123.554	121.445	122.707	127.970	130.803	129.904	127.445	127.041	126.597	125.605
80.0	89.518	87.914	91.198	91.956	92.517	92.902	91.857	90.530	89.272	88.086
82.5	57.910	54.869	55.057	56.596	57.546	57.179	55.865	54.341	53.498	54.628
85.0	30.099	27.579	26.449	26.936	27.250	28.924	29.960	30.636	30.791	30.552
87.5	11.136	11.132	11.281	12.368	12.615	12.303	11.592	10.336	8.824	8.214
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

**Vert. Horizontal Angles**

	<u>125.0</u>	<u>127.5</u>	<u>130.0</u>	<u>132.5</u>	<u>135.0</u>	<u>137.5</u>	<u>140.0</u>	<u>142.5</u>	<u>145.0</u>	<u>147.5</u>
0.0	3800.247	3800.247	3800.247	3800.247	3800.247	3800.247	3800.247	3800.247	3800.247	3800.247
2.5	3882.611	3886.911	3891.034	3894.974	3898.724	3902.275	3905.623	3908.759	3911.678	3914.373
5.0	3991.723	3998.006	4004.739	4011.041	4016.904	4022.315	4027.264	4030.917	4038.010	4044.637
7.5	4124.475	4131.894	4139.027	4145.471	4150.854	4154.492	4162.098	4168.220	4173.848	4178.966
10.0	4243.316	4250.161	4256.767	4263.137	4266.931	4271.391	4274.903	4278.399	4281.853	4285.234
12.5	4320.438	4325.296	4330.794	4336.947	4343.611	4338.985	4335.058	4331.982	4329.730	4327.617
15.0	4317.452	4322.572	4324.086	4329.263	4326.563	4322.759	4315.728	4312.975	4303.439	4296.427
17.5	4197.083	4202.912	4203.921	4203.534	4201.400	4202.493	4200.116	4191.787	4184.603	4181.785
20.0	3977.408	3979.588	3985.374	3981.032	3981.351	3989.766	3986.856	3981.021	3981.875	3980.090
22.5	3687.617	3681.477	3679.002	3677.122	3677.275	3681.680	3685.485	3694.069	3702.447	3708.229
25.0	3352.356	3359.434	3342.209	3336.434	3335.334	3339.348	3346.390	3353.585	3364.468	3382.587
27.5	2987.570	2978.224	2973.243	2975.502	2973.090	2972.516	2979.558	2983.393	2998.204	3012.041
30.0	2602.015	2594.919	2590.329	2582.946	2585.361	2590.473	2593.684	2601.585	2614.190	2621.845
32.5	2209.392	2200.083	2193.238	2185.934	2182.307	2186.160	2192.116	2196.979	2201.659	2211.603
35.0	1810.823	1803.191	1796.254	1789.575	1782.147	1773.439	1773.206	1781.256	1787.807	1786.969
37.5	1431.859	1422.245	1417.934	1411.880	1403.027	1394.922	1386.864	1383.375	1382.384	1364.058
40.0	1097.746	1095.725	1081.112	1075.754	1077.855	1067.825	1051.048	1047.437	1048.806	1041.878

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VF2-L57-750-MF\_.IES**

**CANDELA TABULATION - (Cont.)**

42.5	839.296	825.205	832.981	824.256	802.249	820.191	819.936	809.737	786.852	766.377
45.0	679.220	668.593	646.747	660.783	665.419	659.163	642.713	650.281	654.555	652.307
47.5	579.341	576.022	576.929	573.676	572.022	574.715	577.321	577.292	570.862	560.789
50.0	532.698	530.753	529.753	530.506	530.443	530.729	527.700	527.531	528.053	528.896
52.5	500.005	498.915	498.491	498.297	497.277	497.217	497.328	497.494	497.655	498.319
55.0	471.279	471.008	470.374	470.477	470.125	469.293	468.745	469.355	470.442	471.730
57.5	442.577	444.629	444.294	444.837	443.885	441.833	442.057	442.966	444.550	445.638
60.0	405.707	412.239	413.271	407.483	411.052	412.096	414.251	416.611	418.553	415.320
62.5	359.547	359.492	355.626	356.292	367.235	380.320	378.794	376.745	372.376	368.836
65.0	308.377	305.891	298.789	296.681	313.561	327.869	327.766	327.338	324.617	322.000
67.5	262.463	261.059	256.506	251.734	261.242	271.991	276.356	276.994	276.681	274.667
70.0	224.286	223.943	220.013	214.407	214.139	220.729	224.610	228.105	232.789	233.796
72.5	189.931	188.270	184.782	178.011	174.647	181.433	187.629	192.138	196.127	197.615
75.0	157.663	154.482	152.248	148.771	146.331	149.679	154.192	157.394	159.758	161.563
77.5	122.729	120.634	119.688	118.550	117.784	119.355	122.016	123.690	124.312	125.791
80.0	86.836	86.333	86.808	87.705	88.159	88.867	89.979	90.884	91.236	91.899
82.5	55.537	56.473	57.008	57.211	57.271	57.449	57.925	58.357	58.456	58.439
85.0	30.026	29.266	28.218	27.039	26.675	26.356	26.164	25.987	25.824	25.275
87.5	7.686	6.898	6.208	5.626	6.267	6.866	7.431	7.972	8.576	8.883
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

**Vert. Angles**      **Horizontal Angles**

	<u>150.0</u>	<u>152.5</u>	<u>155.0</u>	<u>157.5</u>	<u>160.0</u>	<u>162.5</u>	<u>165.0</u>	<u>167.5</u>	<u>170.0</u>	<u>172.5</u>
0.0	3800.247	3800.247	3800.247	3800.247	3800.247	3800.247	3800.247	3800.247	3800.247	3800.247
2.5	3916.840	3919.071	3920.655	3923.561	3926.808	3929.819	3932.591	3935.116	3937.391	3939.412
5.0	4050.911	4056.813	4062.321	4067.413	4072.066	4076.257	4079.963	4083.130	4092.069	4094.245
7.5	4183.551	4187.581	4191.034	4198.651	4199.292	4202.125	4204.446	4206.236	4207.478	4208.290
10.0	4288.545	4292.427	4293.743	4292.100	4290.521	4289.004	4289.880	4290.576	4291.070	4291.341
12.5	4325.672	4321.231	4314.574	4309.150	4304.789	4300.919	4297.510	4295.236	4293.727	4292.475
15.0	4290.395	4280.203	4268.726	4259.217	4251.649	4243.735	4236.560	4230.283	4225.685	4222.426
17.5	4172.368	4160.239	4152.100	4143.393	4134.693	4129.119	4117.588	4111.047	4103.112	4097.519
20.0	3973.002	3975.562	3964.779	3961.562	3959.729	3955.548	3956.810	3949.443	3944.841	3940.958
22.5	3720.453	3717.129	3722.332	3725.925	3731.969	3739.358	3745.746	3753.661	3755.324	3759.172
25.0	3396.799	3414.649	3427.607	3439.897	3452.940	3471.138	3486.369	3503.731	3515.558	3529.414
27.5	3033.050	3056.260	3085.795	3104.533	3127.081	3144.355	3173.659	3191.439	3211.473	3230.438
30.0	2634.233	2653.863	2679.830	2717.235	2737.104	2769.186	2807.548	2826.278	2841.707	2858.010
32.5	2222.700	2231.099	2241.724	2265.233	2288.663	2300.564	2325.374	2352.259	2365.027	2382.767
35.0	1785.964	1784.390	1786.042	1795.725	1822.387	1825.095	1826.948	1837.860	1835.114	1835.907
37.5	1376.716	1373.935	1366.442	1356.080	1349.474	1337.333	1316.946	1298.039	1280.798	1265.786
40.0	1026.328	1007.869	980.448	969.521	973.149	973.001	966.633	960.246	953.990	947.813
42.5	770.725	777.194	776.553	768.182	756.767	738.989	718.810	698.650	677.932	658.511
45.0	644.176	629.938	609.640	596.626	599.499	599.796	597.889	597.673	595.330	592.074
47.5	561.303	561.028	560.799	560.897	560.966	559.598	557.325	555.467	552.753	549.750
50.0	530.089	529.068	528.196	527.842	527.226	525.498	525.124	524.628	523.606	522.030
52.5	499.884	500.441	500.540	500.007	499.377	498.327	498.058	497.964	497.248	495.881
55.0	472.911	473.770	473.142	472.642	471.907	470.890	470.956	471.270	470.865	469.713
57.5	446.734	447.211	446.457	442.993	439.808	436.024	434.499	433.298	430.913	429.642
60.0	411.287	407.113	403.137	399.489	397.751	393.846	392.479	391.775	388.190	387.821
62.5	365.322	362.017	358.865	355.676	354.994	351.884	350.396	350.549	345.363	345.682
65.0	319.169	316.780	314.406	311.743	311.820	310.098	308.256	308.635	302.510	303.264
67.5	272.844	270.899	271.415	271.394	272.956	273.400	272.205	273.003	269.407	268.645
70.0	235.151	236.938	238.307	238.906	239.698	240.257	238.638	239.281	237.271	235.122
72.5	199.500	202.255	204.958	206.499	206.825	207.181	204.924	205.826	204.817	201.903
75.0	163.682	167.455	171.420	174.163	174.279	174.151	171.096	172.590	172.100	168.800
77.5	127.968	131.582	135.151	137.666	136.991	135.960	132.453	133.895	132.690	129.960

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VF2-L57-750-MF\_.IES**

**CANDELA TABULATION - (Cont.)**

<b>80.0</b>	92.758	94.244	96.081	97.942	97.078	95.650	92.839	94.198	92.771	90.723
<b>82.5</b>	57.934	57.414	57.323	58.273	57.226	55.452	53.392	54.394	52.944	51.408
<b>85.0</b>	23.373	20.926	18.785	18.636	17.409	15.287	14.065	14.513	11.974	11.367
<b>87.5</b>	8.196	7.208	6.392	6.835	6.720	6.087	5.889	6.468	6.089	5.732
<b>90.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

**Vert.  
Angles**

**Horizontal Angles**

	<u><b>175.0</b></u>	<u><b>177.5</b></u>	<u><b>180.0</b></u>
<b>0.0</b>	3800.247	3800.247	3800.247
<b>2.5</b>	3941.173	3942.673	3943.908
<b>5.0</b>	4096.433	4098.630	4100.831
<b>7.5</b>	4210.234	4211.568	4212.287
<b>10.0</b>	4291.748	4292.737	4293.432
<b>12.5</b>	4291.430	4289.891	4288.380
<b>15.0</b>	4218.286	4214.718	4208.183
<b>17.5</b>	4093.940	4092.375	4092.748
<b>20.0</b>	3937.434	3935.156	3928.858
<b>22.5</b>	3750.751	3754.615	3750.991
<b>25.0</b>	3535.337	3543.958	3539.445
<b>27.5</b>	3244.531	3257.094	3253.205
<b>30.0</b>	2874.990	2888.911	2883.654
<b>32.5</b>	2404.432	2422.926	2417.147
<b>35.0</b>	1842.062	1850.911	1841.676
<b>37.5</b>	1253.602	1245.664	1238.964
<b>40.0</b>	940.688	938.828	930.802
<b>42.5</b>	642.151	626.470	622.639
<b>45.0</b>	589.716	587.176	583.488
<b>47.5</b>	548.235	546.862	544.336
<b>50.0</b>	521.125	520.399	519.077
<b>52.5</b>	494.725	493.671	493.817
<b>55.0</b>	468.375	466.694	468.558
<b>57.5</b>	428.785	427.169	428.775
<b>60.0</b>	388.616	387.211	388.992
<b>62.5</b>	348.435	347.232	349.208
<b>65.0</b>	306.899	306.899	309.425
<b>67.5</b>	271.640	271.593	272.484
<b>70.0</b>	235.054	236.012	235.542
<b>72.5</b>	198.377	200.450	198.601
<b>75.0</b>	160.827	164.709	161.659
<b>77.5</b>	123.708	125.368	121.876
<b>80.0</b>	85.862	85.811	82.093
<b>82.5</b>	48.090	46.252	42.309
<b>85.0</b>	10.080	6.613	2.526
<b>87.5</b>	5.068	3.316	1.263
<b>90.0</b>	0.000	0.000	0.000



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VF2-L57-750-MF\_.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1522.95	N.A.	26.70
0-30	3064.53	N.A.	53.80
0-40	4231.3	N.A.	74.20
0-60	5193.3	N.A.	91.10
0-80	5665.28	N.A.	99.40
0-90	5700.38	N.A.	100.00
10-90	5326.74	N.A.	93.40
20-40	2708.35	N.A.	47.50
20-50	3247.62	N.A.	57.00
40-70	1265.38	N.A.	22.20
60-80	471.98	N.A.	8.30
70-80	168.60	N.A.	3.00
80-90	35.10	N.A.	0.60
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	5700.38	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	373.64
10-20	1149.31
20-30	1541.58
30-40	1166.77
40-50	539.27
50-60	422.74
60-70	303.38
70-80	168.60
80-90	35.10
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VF2-L57-750-MF\_.IES**

**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	151	151	151	151	147	147	147	147	141	141	141	135	135	135	129	129	129	127
1	141	137	133	129	138	134	130	127	129	126	123	124	121	119	119	118	116	113
2	132	124	117	112	129	122	116	111	117	112	108	113	109	106	110	106	103	101
3	123	113	105	99	120	111	104	98	108	101	96	104	99	95	101	97	93	91
4	115	103	95	88	113	102	94	88	99	92	86	96	90	85	94	89	84	82
5	108	95	86	80	106	94	85	79	91	84	78	89	83	78	87	81	77	75
6	102	88	79	72	100	87	78	72	85	77	72	83	76	71	81	75	70	68
7	96	82	73	66	94	81	72	66	79	71	66	77	70	65	76	70	65	63
8	90	76	67	61	89	75	67	61	74	66	61	72	65	60	71	65	60	58
9	85	71	62	57	84	70	62	56	69	62	56	68	61	56	67	60	56	54
10	81	67	58	53	79	66	58	53	65	57	52	64	57	52	63	57	52	50

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VF2-L57-750-MF\_.IES**

**UGR TABLE - CORRECTED**

Reflectances

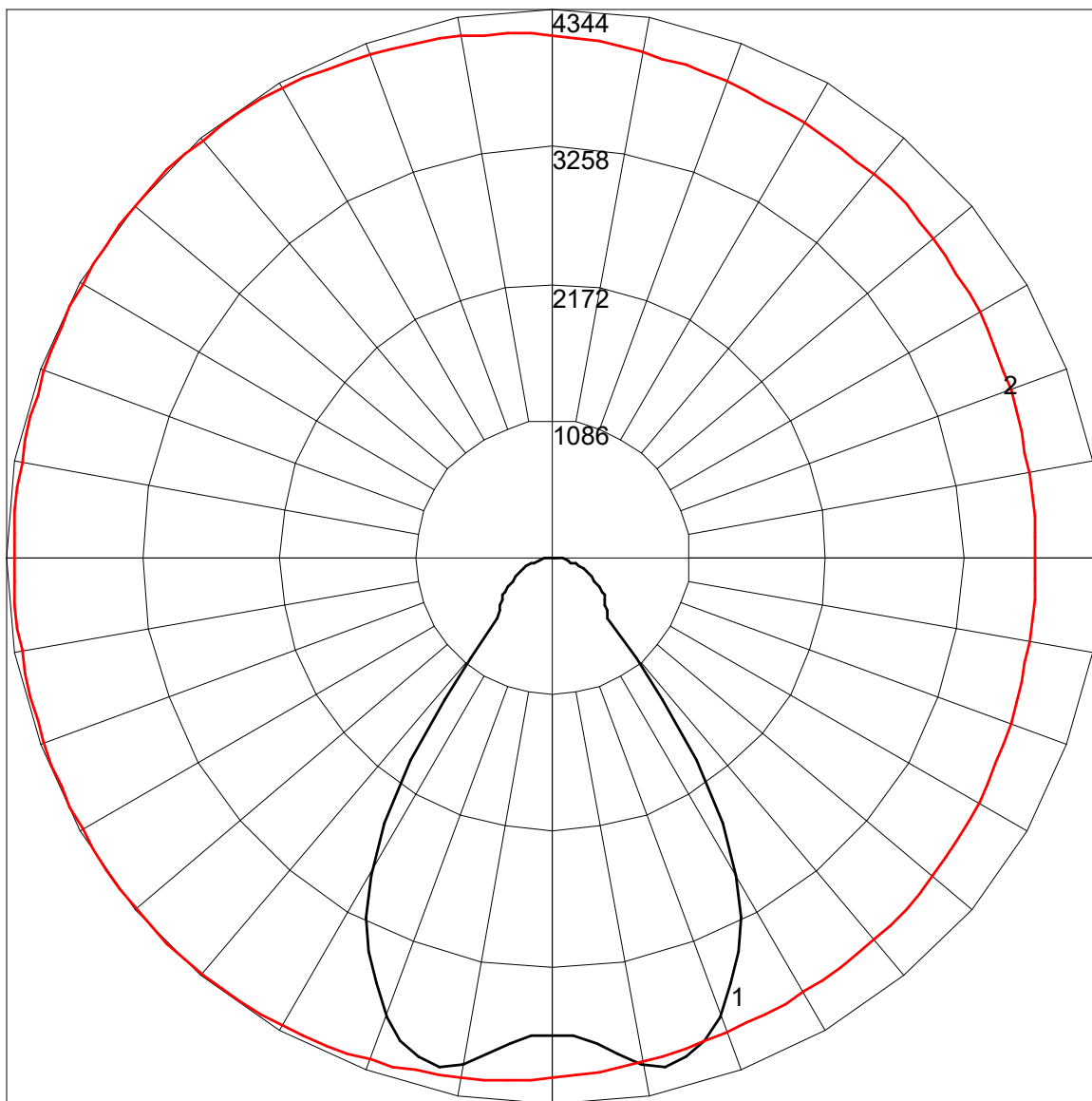
Ceiling Cavity	70	70	50	50	30	70	70	50	50	30
Walls	50	30	50	30	30	50	30	50	30	30
Floor Cavity	20	20	20	20	20	20	20	20	20	20

Room Size      UGR Viewed Crosswise

X=2H	Y=2H	21.8	23.2	22.1	23.5	23.9	7.0	8.4	7.3	8.7	9.0
	3H	23.5	24.8	23.9	25.1	25.5	7.0	8.3	7.4	8.6	9.0
	4H	24.3	25.5	24.7	25.8	26.2	7.0	8.2	7.4	8.5	8.9
	6H	24.7	25.8	25.1	26.2	26.6	6.9	8.1	7.3	8.4	8.8
	8H	24.8	25.9	25.2	26.2	26.7	6.9	8.0	7.3	8.3	8.7
	12H	24.8	25.8	25.2	26.2	26.6	6.8	7.9	7.3	8.3	8.7
4H	2H	21.7	22.9	22.1	23.2	23.6	10.6	11.9	11.0	12.2	12.6
	3H	23.5	24.5	23.9	24.9	25.3	11.2	12.2	11.6	12.6	13.0
	4H	24.3	25.2	24.7	25.6	26.1	11.2	12.1	11.6	12.5	13.0
	6H	24.8	25.6	25.3	26.1	26.5	11.2	12.0	11.6	12.4	12.9
	8H	24.9	25.7	25.3	26.1	26.6	11.1	11.9	11.5	12.3	12.8
	12H	24.9	25.6	25.4	26.1	26.5	11.1	11.8	11.5	12.2	12.7
8H	4H	24.2	25.0	24.6	25.4	25.9	12.7	13.5	13.1	13.9	14.4
	6H	24.7	25.4	25.2	25.9	26.3	12.7	13.4	13.2	13.9	14.3
	8H	24.8	25.4	25.4	25.9	26.4	12.7	13.3	13.2	13.8	14.3
	12H	24.8	25.3	25.4	25.8	26.4	12.7	13.2	13.2	13.7	14.2
12H	4H	24.2	24.8	24.6	25.3	25.8	12.9	13.6	13.4	14.1	14.6
	6H	24.7	25.3	25.2	25.7	26.3	13.0	13.6	13.5	14.0	14.6
	8H	24.8	25.3	25.3	25.8	26.4	13.0	13.5	13.5	14.0	14.5

Maximum UGR = 26.7

POLAR GRAPH



Maximum Candela = 4343.611 Located At Horizontal Angle = 135, Vertical Angle = 12.5  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270)  
# 2 - Horizontal Cone Through Vertical Angle (12.5) (Through Max. Cd.)