



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : DILG-S22-P24-8TW-FAD-DIM-UNV 4000K\_.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN from UL #12609413.01A

[TESTLAB] UL Verification Services Inc.

[ISSUE DATE] 06-MAR-2020

[MANUFAC] H E Williams Inc

[LUMCAT] DILG-S22-P24/8TW-AD-DIM-UNV 4000k

[LUMINAIRE] White formed steel housing, clear lens enclosure, clear in

[MORE] ternal lens, acrylic diffuser

[OTHER] This test was performed using the calibrated photodetector met

[MORE] hod of absolute photometry.

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2440
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	132
Total Luminaire Watts	18.5
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.18
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	1.34
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	1.76 ft
Luminous Width (90-270)	1.77 ft
Luminous Height	0.00 ft

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

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2645	2855	3104
55	2323	2599	3004
65	1904	2259	2686
75	1298	1553	1577
85	447	538	421

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**CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	957.918	957.918	957.918	957.918	957.918
0.5	960.070	958.456	957.380	956.842	958.456
1.0	959.532	958.456	956.842	956.842	958.456
1.5	959.532	957.918	956.303	956.303	957.918
2.0	958.994	957.380	955.765	955.765	957.380
2.5	957.918	956.842	955.227	955.227	956.303
3.0	957.380	955.765	954.689	954.151	955.765
3.5	956.303	954.689	953.613	953.613	954.689
4.0	955.227	953.613	952.536	952.536	953.613
4.5	953.613	952.536	951.460	951.460	953.074
5.0	952.536	951.460	950.384	950.384	951.998
5.5	950.922	949.846	949.307	949.307	950.922
6.0	949.307	948.231	947.693	948.231	949.846
6.5	947.693	946.617	946.078	947.155	948.769
7.0	945.540	945.002	945.002	946.078	947.693
7.5	943.926	943.388	943.388	945.002	947.155
8.0	942.311	941.773	942.311	943.926	945.540
8.5	940.159	940.159	940.697	942.311	945.002
9.0	938.544	938.006	939.621	941.235	943.926
9.5	936.392	936.392	938.006	940.159	942.311
10.0	934.239	934.239	936.392	939.082	941.235
10.5	931.548	932.086	934.239	937.468	940.159
11.0	929.396	929.934	932.625	935.853	938.544
11.5	926.705	927.781	930.472	934.239	937.468
12.0	924.014	925.090	928.319	932.625	935.853
12.5	921.323	922.400	926.167	931.010	933.701
13.0	918.632	919.709	923.476	928.857	932.086
13.5	915.404	916.480	920.785	926.705	929.934
14.0	912.175	913.789	918.094	924.014	927.243
14.5	908.946	910.560	915.404	921.323	925.090
15.0	905.717	907.331	912.713	918.632	922.400
15.5	901.950	903.564	909.484	915.942	919.709
16.0	898.721	900.335	906.255	912.713	916.480
16.5	894.954	896.568	903.026	909.484	913.789
17.0	891.186	892.801	899.797	906.793	910.560
17.5	887.419	889.034	896.568	903.564	907.869
18.0	883.114	885.267	892.801	900.335	904.640
18.5	879.347	881.500	889.034	897.106	901.950
19.0	875.042	877.194	885.805	893.877	898.721
19.5	870.737	873.427	882.038	891.186	896.030
20.0	865.893	869.122	878.271	887.958	892.801
20.5	861.588	864.817	874.504	884.729	889.572
21.0	856.744	860.512	870.198	881.500	886.881
21.5	852.439	855.668	866.431	877.733	883.114
22.0	847.596	851.363	862.126	873.965	879.885
22.5	842.752	846.520	857.821	870.198	876.118
23.0	837.371	841.676	853.516	866.431	872.351
23.5	831.989	836.833	848.672	862.126	868.046
24.0	827.146	831.451	844.367	857.821	864.279
24.5	821.764	826.070	839.524	853.516	859.973
25.0	815.845	820.688	834.680	848.672	855.668
25.5	809.925	815.306	829.299	843.829	850.825
26.0	804.543	809.387	824.455	838.985	846.520
26.5	798.085	803.467	819.074	834.142	841.676

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**CANDELA TABULATION - (Cont.)**

27.0	792.166	797.547	813.692	829.299	837.371
27.5	785.708	791.628	808.310	824.455	832.527
28.0	779.788	785.708	802.929	819.612	827.684
28.5	773.330	779.788	797.547	814.768	823.379
29.0	767.411	773.868	792.166	809.925	818.535
29.5	760.953	767.949	786.784	805.082	813.692
30.0	754.495	761.491	780.864	800.238	809.387
30.5	748.037	755.571	775.483	794.857	804.543
31.0	742.117	749.651	769.563	790.013	799.700
31.5	735.659	743.194	764.182	785.170	794.857
32.0	729.202	737.274	758.262	779.788	790.013
32.5	722.744	730.816	752.342	774.407	784.632
33.0	716.286	724.358	746.422	769.025	779.788
33.5	709.290	717.900	740.503	763.643	774.407
34.0	702.832	711.442	734.583	758.262	769.025
34.5	696.374	704.984	728.125	752.342	763.643
35.0	689.378	697.988	722.205	746.961	758.262
35.5	681.844	691.531	716.286	741.041	752.880
36.0	674.848	684.535	709.828	735.121	747.499
36.5	667.852	677.539	703.370	729.740	742.117
37.0	660.856	670.542	697.450	723.820	736.198
37.5	653.860	664.085	690.992	717.900	730.816
38.0	646.864	657.089	683.996	711.442	724.896
38.5	639.329	650.093	677.539	705.523	718.977
39.0	632.333	643.097	671.081	699.065	712.519
39.5	625.337	636.101	664.085	693.145	706.599
40.0	617.803	629.104	657.089	686.687	700.141
40.5	610.807	621.570	650.631	679.691	694.221
41.0	603.273	614.574	643.635	673.233	687.763
41.5	595.739	607.578	636.639	666.775	681.844
42.0	588.743	600.044	629.104	660.318	675.386
42.5	581.209	592.510	622.108	653.321	669.466
43.0	573.674	584.976	614.574	646.864	663.008
43.5	566.140	577.441	607.578	639.868	656.550
44.0	558.068	569.907	600.582	633.410	650.093
44.5	550.534	562.373	593.048	626.414	643.635
45.0	542.999	554.301	586.052	619.956	637.177
45.5	535.250	546.767	578.518	613.498	630.719
46.0	527.447	539.232	571.522	606.502	623.723
46.5	519.644	531.214	563.988	599.506	617.265
47.0	511.894	523.464	556.992	592.510	610.269
47.5	504.145	515.607	549.457	585.514	603.811
48.0	496.341	507.912	541.923	578.518	597.353
48.5	488.646	500.055	534.228	570.984	590.895
49.0	480.842	492.251	526.586	563.988	584.438
49.5	472.985	484.502	518.729	556.453	577.980
50.0	465.074	476.752	510.979	549.457	570.984
50.5	457.164	468.788	503.176	542.461	564.526
51.0	449.414	460.877	495.373	535.411	557.530
51.5	441.772	452.912	487.569	528.308	550.534
52.0	434.023	444.894	479.605	521.204	543.538
52.5	426.220	436.929	471.801	514.047	536.649
53.0	418.416	428.910	464.052	506.835	529.492
53.5	410.505	420.838	456.249	499.516	522.280
54.0	402.595	412.766	448.445	492.090	514.908
54.5	394.684	404.586	440.696	484.717	507.589

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**PHOTOMETRIC FILENAME : DILG-S22-P24-8TW-FAD-DIM-UNV 4000K\_.IES**

**CANDELA TABULATION - (Cont.)**

55.0	386.880	396.406	432.785	477.237	500.324
55.5	379.023	388.280	424.874	469.756	492.951
56.0	371.274	380.046	416.910	462.115	485.632
56.5	363.363	371.920	408.945	454.580	478.421
57.0	355.398	363.847	401.088	446.939	470.994
57.5	347.595	355.721	393.284	439.351	463.621
58.0	339.684	347.703	385.427	431.655	456.195
58.5	331.881	339.630	377.732	423.959	448.768
59.0	324.131	331.612	369.928	416.318	441.234
59.5	316.490	323.647	362.179	408.730	433.754
60.0	308.740	315.790	354.268	401.034	426.273
60.5	301.098	307.933	346.465	393.392	419.008
61.0	293.457	300.183	338.662	385.643	410.667
61.5	285.869	292.273	330.805	377.947	401.142
62.0	278.281	284.415	323.001	370.413	391.239
62.5	270.854	276.612	315.306	362.340	381.284
63.0	263.481	268.863	307.664	353.945	371.328
63.5	256.001	261.221	299.968	345.012	361.210
64.0	248.520	253.525	292.326	335.594	351.201
64.5	241.040	245.830	284.685	326.123	341.352
65.0	233.614	238.188	277.204	316.490	329.621
65.5	226.295	230.654	269.670	306.749	317.135
66.0	218.922	223.227	262.190	297.062	304.435
66.5	211.711	215.747	254.709	286.945	292.380
67.0	204.607	208.428	247.229	275.805	281.563
67.5	197.503	201.163	239.802	264.181	270.746
68.0	190.292	193.951	231.945	253.041	259.768
68.5	183.081	186.686	223.873	242.009	248.467
69.0	175.977	179.529	215.908	231.622	237.004
69.5	168.927	172.479	207.621	221.290	225.326
70.0	162.039	165.483	199.225	211.065	214.025
70.5	155.204	158.541	190.830	200.840	204.015
71.0	148.316	151.760	182.381	190.453	194.221
71.5	141.643	145.087	173.986	180.336	184.534
72.0	134.916	138.468	165.429	171.080	174.793
72.5	128.243	131.848	157.142	162.146	165.052
73.0	121.839	125.498	148.693	153.482	155.419
73.5	115.596	119.417	140.243	144.925	145.733
74.0	109.353	113.174	132.225	136.423	136.315
74.5	103.649	107.201	124.529	128.135	127.274
75.0	97.568	101.066	116.672	119.794	118.502
75.5	91.756	95.038	109.138	111.398	109.784
76.0	85.997	89.226	101.819	103.326	101.442
76.5	80.239	83.414	94.877	95.523	93.478
77.0	74.642	77.656	88.365	88.042	85.944
77.5	69.207	72.274	82.230	80.885	78.732
78.0	63.879	66.893	75.988	74.050	72.059
78.5	58.767	61.619	70.068	67.592	65.601
79.0	53.816	56.506	64.148	61.296	59.305
79.5	49.080	51.609	58.444	55.322	53.439
80.0	44.559	46.981	53.008	49.672	47.842
80.5	40.254	42.514	47.842	44.452	42.676
81.0	36.164	38.263	42.945	39.554	37.832
81.5	32.289	34.281	38.263	34.980	33.312
82.0	28.576	30.513	33.796	30.729	29.060
82.5	25.078	26.962	29.652	26.800	25.132

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**PHOTOMETRIC FILENAME : DILG-S22-P24-8TW-FAD-DIM-UNV 4000K\_.IES**

**CANDELA TABULATION - (Cont.)**

83.0	21.795	23.625	25.778	23.195	21.526
83.5	18.782	20.558	22.280	19.912	18.297
84.0	16.037	17.759	19.105	16.952	15.337
84.5	13.562	15.176	16.198	14.315	12.808
85.0	11.301	12.916	13.615	12.001	10.655
85.5	9.310	10.817	11.301	9.956	8.772
86.0	7.534	8.987	9.364	8.180	7.211
86.5	6.027	7.373	7.588	6.619	5.758
87.0	4.736	5.920	6.081	5.220	4.467
87.5	3.713	4.736	4.790	3.982	3.283
88.0	2.852	3.821	3.767	3.067	2.476
88.5	2.153	3.014	2.960	2.476	2.045
89.0	1.561	2.422	2.422	1.991	1.722
89.5	1.238	1.937	1.937	1.668	1.399
90.0	0.915	1.507	1.507	1.345	1.130
90.5	0.000	0.000	0.000	0.000	0.000
91.0	0.000	0.000	0.000	0.000	0.000
91.5	0.000	0.000	0.000	0.000	0.000
92.0	0.000	0.000	0.000	0.000	0.000
92.5	0.000	0.000	0.000	0.000	0.000
93.0	0.000	0.000	0.000	0.000	0.000
93.5	0.000	0.000	0.000	0.000	0.000
94.0	0.000	0.000	0.000	0.000	0.000
94.5	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000
95.5	0.000	0.000	0.000	0.000	0.000
96.0	0.000	0.000	0.000	0.000	0.000
96.5	0.000	0.000	0.000	0.000	0.000
97.0	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000
98.0	0.000	0.000	0.000	0.000	0.000
98.5	0.000	0.000	0.000	0.000	0.000
99.0	0.000	0.000	0.000	0.000	0.000
99.5	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000
100.5	0.000	0.000	0.000	0.000	0.000
101.0	0.000	0.000	0.000	0.000	0.000
101.5	0.000	0.000	0.000	0.000	0.000
102.0	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000
103.0	0.000	0.000	0.000	0.000	0.000
103.5	0.000	0.000	0.000	0.000	0.000
104.0	0.000	0.000	0.000	0.000	0.000
104.5	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000
105.5	0.000	0.000	0.000	0.000	0.000
106.0	0.000	0.000	0.000	0.000	0.000
106.5	0.000	0.000	0.000	0.000	0.000
107.0	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000
108.0	0.000	0.000	0.000	0.000	0.000
108.5	0.000	0.000	0.000	0.000	0.000
109.0	0.000	0.000	0.000	0.000	0.000
109.5	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000
110.5	0.000	0.000	0.000	0.000	0.000

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CANDELA TABULATION - (Cont.)

111.0	0.000	0.000	0.000	0.000	0.000
111.5	0.000	0.000	0.000	0.000	0.000
112.0	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000
113.0	0.000	0.000	0.000	0.000	0.000
113.5	0.000	0.000	0.000	0.000	0.000
114.0	0.000	0.000	0.000	0.000	0.000
114.5	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000
115.5	0.000	0.000	0.000	0.000	0.000
116.0	0.000	0.000	0.000	0.000	0.000
116.5	0.000	0.000	0.000	0.000	0.000
117.0	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000
118.0	0.000	0.000	0.000	0.000	0.000
118.5	0.000	0.000	0.000	0.000	0.000
119.0	0.000	0.000	0.000	0.000	0.000
119.5	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000
120.5	0.000	0.000	0.000	0.000	0.000
121.0	0.000	0.000	0.000	0.000	0.000
121.5	0.000	0.000	0.000	0.000	0.000
122.0	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000
123.0	0.000	0.000	0.000	0.000	0.000
123.5	0.000	0.000	0.000	0.000	0.000
124.0	0.000	0.000	0.000	0.000	0.000
124.5	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000
125.5	0.000	0.000	0.000	0.000	0.000
126.0	0.000	0.000	0.000	0.000	0.000
126.5	0.000	0.000	0.000	0.000	0.000
127.0	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000
128.0	0.000	0.000	0.000	0.000	0.000
128.5	0.000	0.000	0.000	0.000	0.000
129.0	0.000	0.000	0.000	0.000	0.000
129.5	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000
130.5	0.000	0.000	0.000	0.000	0.000
131.0	0.000	0.000	0.000	0.000	0.000
131.5	0.000	0.000	0.000	0.000	0.000
132.0	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000
133.0	0.000	0.000	0.000	0.000	0.000
133.5	0.000	0.000	0.000	0.000	0.000
134.0	0.000	0.000	0.000	0.000	0.000
134.5	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000
135.5	0.000	0.000	0.000	0.000	0.000
136.0	0.000	0.000	0.000	0.000	0.000
136.5	0.000	0.000	0.000	0.000	0.000
137.0	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000
138.0	0.000	0.000	0.000	0.000	0.000
138.5	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT  
PHOTOMETRIC FILENAME : DILG-S22-P24-8TW-FAD-DIM-UNV 4000K\_.IES

CANDELA TABULATION - (Cont.)

139.0	0.000	0.000	0.000	0.000	0.000
139.5	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000
140.5	0.000	0.000	0.000	0.000	0.000
141.0	0.000	0.000	0.000	0.000	0.000
141.5	0.000	0.000	0.000	0.000	0.000
142.0	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000
143.0	0.000	0.000	0.000	0.000	0.000
143.5	0.000	0.000	0.000	0.000	0.000
144.0	0.000	0.000	0.000	0.000	0.000
144.5	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000
145.5	0.000	0.000	0.000	0.000	0.000
146.0	0.000	0.000	0.000	0.000	0.000
146.5	0.000	0.000	0.000	0.000	0.000
147.0	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000
148.0	0.000	0.000	0.000	0.000	0.000
148.5	0.000	0.000	0.000	0.000	0.000
149.0	0.000	0.000	0.000	0.000	0.000
149.5	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000
150.5	0.000	0.000	0.000	0.000	0.000
151.0	0.000	0.000	0.000	0.000	0.000
151.5	0.000	0.000	0.000	0.000	0.000
152.0	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000
153.0	0.000	0.000	0.000	0.000	0.000
153.5	0.000	0.000	0.000	0.000	0.000
154.0	0.000	0.000	0.000	0.000	0.000
154.5	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000
155.5	0.000	0.000	0.000	0.000	0.000
156.0	0.000	0.000	0.000	0.000	0.000
156.5	0.000	0.000	0.000	0.000	0.000
157.0	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000
158.0	0.000	0.000	0.000	0.000	0.000
158.5	0.000	0.000	0.000	0.000	0.000
159.0	0.000	0.000	0.000	0.000	0.000
159.5	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000
160.5	0.000	0.000	0.000	0.000	0.000
161.0	0.000	0.000	0.000	0.000	0.000
161.5	0.000	0.000	0.000	0.000	0.000
162.0	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000
163.0	0.000	0.000	0.000	0.000	0.000
163.5	0.000	0.000	0.000	0.000	0.000
164.0	0.000	0.000	0.000	0.000	0.000
164.5	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000
165.5	0.000	0.000	0.000	0.000	0.000
166.0	0.000	0.000	0.000	0.000	0.000
166.5	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT  
PHOTOMETRIC FILENAME : DILG-S22-P24-8TW-FAD-DIM-UNV 4000K\_.IES

CANDELA TABULATION - (Cont.)

167.0	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000
168.0	0.000	0.000	0.000	0.000	0.000
168.5	0.000	0.000	0.000	0.000	0.000
169.0	0.000	0.000	0.000	0.000	0.000
169.5	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000
170.5	0.000	0.000	0.000	0.000	0.000
171.0	0.000	0.000	0.000	0.000	0.000
171.5	0.000	0.000	0.000	0.000	0.000
172.0	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000
173.0	0.000	0.000	0.000	0.000	0.000
173.5	0.000	0.000	0.000	0.000	0.000
174.0	0.000	0.000	0.000	0.000	0.000
174.5	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000
175.5	0.000	0.000	0.000	0.000	0.000
176.0	0.000	0.000	0.000	0.000	0.000
176.5	0.000	0.000	0.000	0.000	0.000
177.0	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000
178.0	0.000	0.000	0.000	0.000	0.000
178.5	0.000	0.000	0.000	0.000	0.000
179.0	0.000	0.000	0.000	0.000	0.000
179.5	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000



**IES INDOOR REPORT**  
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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	347.72	N.A.	14.30
0-30	731.92	N.A.	30.00
0-40	1183.69	N.A.	48.50
0-60	2027.56	N.A.	83.10
0-80	2421.8	N.A.	99.30
0-90	2440.02	N.A.	100.00
10-90	2349.7	N.A.	96.30
20-40	835.98	N.A.	34.30
20-50	1289.00	N.A.	52.80
40-70	1117.92	N.A.	45.80
60-80	394.23	N.A.	16.20
70-80	120.18	N.A.	4.90
80-90	18.22	N.A.	0.70
90-110	0.04	N.A.	0.00
90-120	0.04	N.A.	0.00
90-130	0.04	N.A.	0.00
90-150	0.04	N.A.	0.00
90-180	0.04	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	2440.06	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	90.32
10-20	257.40
20-30	384.20
30-40	451.77
40-50	453.03
50-60	390.84
60-70	274.05
70-80	120.18
80-90	18.22
90-100	0.04
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 : DILG-S22-P24-8TW-FAD-DIM-UNV 4000K\_.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	111	111	111	111	109	109	109	109	104	104	104	99	99	99	95	95	95	93
1	102	98	95	91	100	96	93	90	92	89	87	89	86	84	85	83	82	80
2	94	86	80	75	91	85	79	74	81	77	73	78	74	71	75	72	69	67
3	86	76	69	63	83	75	68	63	72	66	61	69	64	60	67	63	59	57
4	78	68	60	54	76	66	59	53	64	58	53	62	56	52	60	55	51	49
5	72	61	53	47	70	60	52	46	58	51	46	56	50	45	54	49	45	43
6	67	55	47	41	65	54	46	41	52	45	40	51	45	40	49	44	40	38
7	62	50	42	36	60	49	41	36	48	41	36	46	40	35	45	39	35	33
8	58	45	38	32	56	45	37	32	44	37	32	42	36	32	41	36	32	30
9	54	42	34	29	53	41	34	29	40	33	29	39	33	29	38	33	29	27
10	51	39	31	26	49	38	31	26	37	31	26	36	30	26	35	30	26	24

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : DILG-S22-P24-8TW-FAD-DIM-UNV 4000K\_.IES**

**UGR TABLE - CORRECTED**

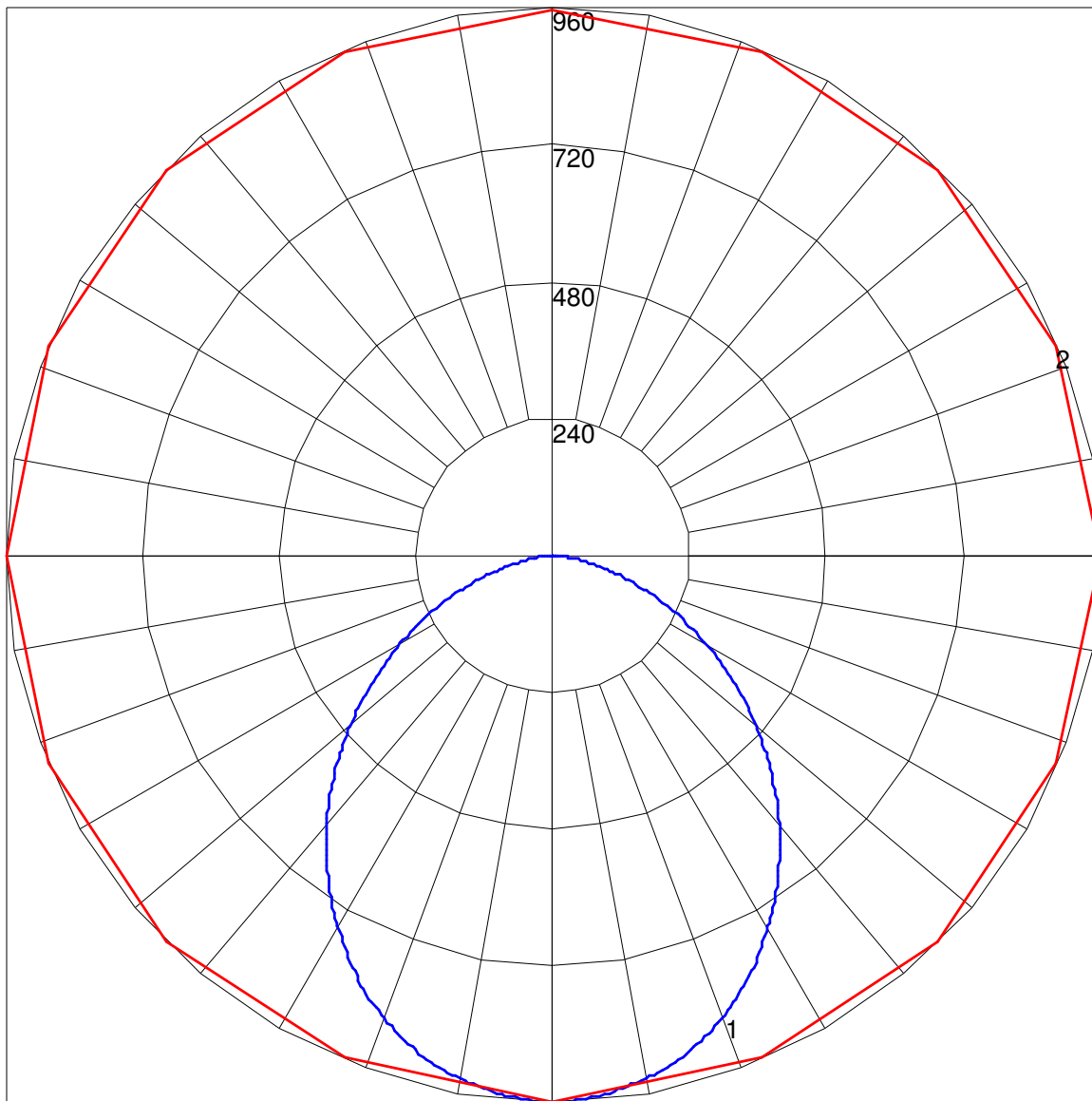
Reflectances

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					UGR Viewed Endwise				
X=2H	Y=2H	14.8	16.4	15.2	16.7	17.0	16.4	18.0	16.8	18.3	18.6
	3H	16.2	17.6	16.5	17.9	18.3	17.9	19.3	18.2	19.6	20.0
	4H	16.6	17.9	17.0	18.2	18.6	18.2	19.6	18.6	19.9	20.3
	6H	16.8	18.0	17.2	18.4	18.7	18.4	19.6	18.8	20.0	20.4
	8H	16.8	18.0	17.2	18.3	18.7	18.4	19.6	18.8	19.9	20.3
	12H	16.8	17.9	17.2	18.3	18.7	18.4	19.5	18.8	19.9	20.3
4H	2H	15.5	16.9	15.9	17.2	17.6	16.8	18.1	17.2	18.5	18.9
	3H	17.1	18.2	17.5	18.6	19.0	18.5	19.6	18.9	20.0	20.4
	4H	17.5	18.5	18.0	18.9	19.4	18.9	19.9	19.4	20.3	20.8
	6H	17.8	18.7	18.2	19.1	19.6	19.1	20.0	19.6	20.4	20.9
	8H	17.8	18.6	18.3	19.1	19.5	19.2	20.0	19.6	20.4	20.9
	12H	17.8	18.6	18.3	19.0	19.5	19.1	19.9	19.6	20.3	20.8
8H	4H	17.8	18.6	18.2	19.0	19.5	19.1	19.9	19.5	20.3	20.8
	6H	18.1	18.7	18.6	19.2	19.7	19.3	20.0	19.8	20.5	20.9
	8H	18.1	18.7	18.6	19.2	19.7	19.3	19.9	19.8	20.4	20.9
	12H	18.1	18.7	18.7	19.2	19.7	19.3	19.9	19.8	20.4	20.9
12H	4H	17.8	18.5	18.2	19.0	19.4	19.0	19.8	19.5	20.2	20.7
	6H	18.1	18.7	18.6	19.2	19.7	19.3	19.9	19.8	20.4	20.9
	8H	18.2	18.7	18.7	19.2	19.7	19.3	19.9	19.8	20.4	20.9

Maximum UGR = 20.9

POLAR GRAPH



Maximum Candela = 960.07 Located At Horizontal Angle = 0, Vertical Angle = .5  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)