



IES INDOOR REPORT

PHOTOMETRIC FILENAME : SDI5-8-L27-835-DMA-30U-70D-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM 12731921.05
[TESTLAB] UL Verification Services Inc.
[ISSUEDATE] 04-21-2023
[MANUFAC] WILLIAMS INDOOR
[OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.64836
[LUMINAIRE] 8' SUSPENDED LED LUMINAIRE
[MORE] WITH FROSTED ACRYLIC LENS
[LUMCAT] SDI5-8-L27-835-DMA-30U-70D-DIM-UNV
[LAMPCAT] HLM 80 CRI, 3500K CCT
[SEARCH_SOURCETYPE] LED
[SEARCH_APPLICATION] Indoor, Architectural, Classroom, Direct-Indirect
[SEARCH_MOUNTING] Suspended

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	20157
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	129
Total Luminaire Watts	156
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.34
Spacing Criterion (90-270)	1.54
Spacing Criterion (Diagonal)	1.54
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	7.90 ft
Luminous Width (90-270)	0.40 ft
Luminous Height	0.15 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	14607	13155	13536
55	13998	11801	11877
65	12872	9633	9394
75	10598	6372	5936
85	5269	1833	1594

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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	4172.942	4172.942	4172.942	4172.942	4172.942
0.5	4275.220	4195.443	4146.350	4140.213	4144.304
1.0	4275.220	4195.443	4146.350	4140.213	4144.304
1.5	4275.220	4195.443	4146.350	4142.259	4144.304
2.0	4275.220	4193.398	4146.350	4142.259	4146.350
2.5	4273.175	4193.398	4146.350	4144.304	4148.395
3.0	4273.175	4193.398	4146.350	4146.350	4150.441
3.5	4271.129	4191.352	4148.395	4148.395	4152.487
4.0	4269.083	4189.307	4148.395	4150.441	4156.578
4.5	4267.038	4189.307	4148.395	4152.487	4160.669
5.0	4264.992	4187.261	4148.395	4156.578	4164.760
5.5	4262.947	4185.216	4150.441	4158.623	4168.851
6.0	4258.856	4183.170	4150.441	4162.714	4172.942
6.5	4256.810	4181.124	4152.487	4166.805	4177.033
7.0	4252.719	4179.079	4152.487	4170.897	4183.170
7.5	4248.628	4177.033	4154.532	4174.988	4189.307
8.0	4244.537	4174.988	4154.532	4179.079	4193.398
8.5	4240.446	4170.897	4156.578	4183.170	4199.534
9.0	4234.309	4168.851	4158.623	4189.307	4205.671
9.5	4230.218	4164.760	4158.623	4193.398	4211.808
10.0	4224.081	4162.714	4160.669	4197.489	4217.944
10.5	4217.944	4158.623	4162.714	4203.626	4226.127
11.0	4209.762	4154.532	4162.714	4209.762	4232.263
11.5	4203.626	4150.441	4164.760	4215.899	4238.400
12.0	4197.489	4146.350	4164.760	4219.990	4246.582
12.5	4189.307	4140.213	4164.760	4226.127	4252.719
13.0	4181.124	4136.122	4166.805	4230.218	4260.901
13.5	4172.942	4129.985	4166.805	4236.355	4269.083
14.0	4164.760	4123.849	4166.805	4242.491	4277.266
14.5	4156.578	4117.712	4164.760	4246.582	4285.448
15.0	4148.395	4111.575	4164.760	4252.719	4291.585
15.5	4138.168	4105.439	4164.760	4256.810	4299.767
16.0	4129.985	4097.256	4162.714	4260.901	4307.949
16.5	4119.758	4091.120	4160.669	4264.992	4316.131
17.0	4111.575	4082.938	4158.623	4269.083	4322.268
17.5	4101.348	4074.755	4156.578	4273.175	4328.405
18.0	4091.120	4066.573	4154.532	4277.266	4334.541
18.5	4078.846	4056.345	4152.487	4281.357	4338.633
19.0	4068.619	4048.163	4148.395	4283.402	4344.769
19.5	4058.391	4037.935	4144.304	4287.494	4348.860
20.0	4046.117	4029.753	4140.213	4287.494	4352.951
20.5	4033.844	4019.525	4136.122	4289.539	4354.997
21.0	4021.571	4009.297	4132.031	4291.585	4359.088
21.5	4009.297	4001.115	4127.940	4291.585	4361.134
22.0	3997.024	3990.887	4123.849	4291.585	4363.179
22.5	3982.705	3980.660	4119.758	4291.585	4365.225
23.0	3970.432	3970.432	4115.666	4291.585	4367.270
23.5	3956.113	3958.158	4111.575	4291.585	4369.316
24.0	3941.794	3947.931	4107.484	4291.585	4369.316
24.5	3929.521	3935.657	4101.348	4291.585	4371.361
25.0	3913.156	3925.429	4097.256	4289.539	4371.361
25.5	3898.837	3913.156	4091.120	4287.494	4371.361
26.0	3884.518	3900.883	4084.983	4287.494	4369.316
26.5	3870.199	3890.655	4078.846	4283.402	4369.316

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SDI5-8-L27-835-DMA-30U-70D-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

27.0	3853.835	3876.336	4070.664	4281.357	4367.270
27.5	3839.516	3864.063	4062.482	4277.266	4365.225
28.0	3823.151	3851.789	4054.300	4273.175	4363.179
28.5	3806.787	3837.470	4046.117	4269.083	4359.088
29.0	3790.422	3825.197	4037.935	4262.947	4354.997
29.5	3774.058	3810.878	4027.707	4256.810	4350.906
30.0	3755.648	3796.559	4017.480	4250.673	4344.769
30.5	3739.283	3782.240	4007.252	4244.537	4338.633
31.0	3722.919	3765.876	3997.024	4236.355	4332.496
31.5	3704.509	3751.557	3986.796	4230.218	4326.359
32.0	3688.144	3735.192	3974.523	4222.036	4318.177
32.5	3669.734	3718.828	3962.249	4213.853	4309.995
33.0	3649.279	3702.463	3949.976	4203.626	4301.812
33.5	3630.869	3686.099	3937.703	4195.443	4293.630
34.0	3610.413	3667.689	3925.429	4185.216	4283.402
34.5	3589.958	3649.279	3911.110	4172.942	4273.175
35.0	3569.502	3630.869	3896.792	4160.669	4262.947
35.5	3547.001	3612.459	3880.427	4148.395	4250.673
36.0	3526.545	3594.049	3866.108	4136.122	4238.400
36.5	3504.044	3573.593	3847.698	4119.758	4224.081
37.0	3479.497	3553.138	3831.334	4105.439	4209.762
37.5	3456.996	3532.682	3812.924	4087.029	4193.398
38.0	3432.449	3512.226	3794.514	4070.664	4174.988
38.5	3409.948	3489.725	3774.058	4050.209	4156.578
39.0	3385.402	3467.224	3753.602	4031.799	4136.122
39.5	3360.855	3442.677	3731.101	4009.297	4115.666
40.0	3336.308	3420.176	3710.646	3988.842	4091.120
40.5	3311.761	3395.629	3686.099	3964.295	4068.619
41.0	3285.169	3371.083	3663.598	3939.748	4044.072
41.5	3258.577	3346.536	3639.051	3915.202	4017.480
42.0	3231.985	3319.944	3614.504	3888.609	3990.887
42.5	3203.347	3293.351	3587.912	3862.017	3962.249
43.0	3176.754	3266.759	3561.320	3833.379	3933.612
43.5	3148.117	3240.167	3532.682	3804.741	3902.928
44.0	3119.479	3211.529	3504.044	3776.104	3874.290
44.5	3090.841	3182.891	3475.406	3745.420	3841.561
45.0	3060.158	3154.253	3446.768	3714.737	3810.878
45.5	3029.474	3125.616	3416.085	3682.008	3778.149
46.0	2998.791	3094.932	3385.402	3649.279	3745.420
46.5	2966.062	3064.249	3354.718	3616.550	3710.646
47.0	2935.378	3033.565	3321.989	3581.775	3675.871
47.5	2902.649	3000.836	3289.260	3547.001	3639.051
48.0	2869.921	2970.153	3256.531	3510.181	3604.277
48.5	2839.237	2937.424	3221.757	3475.406	3565.411
49.0	2804.463	2904.695	3189.028	3438.586	3528.591
49.5	2771.734	2871.966	3152.208	3399.721	3489.725
50.0	2739.005	2837.192	3117.433	3362.900	3450.860
50.5	2706.276	2804.463	3082.659	3324.035	3409.948
51.0	2671.501	2769.688	3045.839	3285.169	3369.037
51.5	2638.772	2734.914	3009.019	3246.304	3328.126
52.0	2606.043	2702.185	2972.199	3205.392	3285.169
52.5	2573.314	2667.410	2933.333	3164.481	3244.258
53.0	2538.540	2630.590	2894.467	3123.570	3201.301
53.5	2503.765	2595.815	2857.647	3082.659	3156.299
54.0	2468.991	2561.041	2818.782	3039.702	3113.342
54.5	2434.216	2524.221	2777.870	2996.745	3068.340

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CANDELA TABULATION - (Cont.)

55.0	2397.396	2487.401	2739.005	2953.788	3025.383
55.5	2362.622	2450.581	2698.093	2910.832	2980.381
56.0	2327.847	2415.806	2659.228	2867.875	2935.378
56.5	2291.027	2376.941	2618.317	2822.873	2888.331
57.0	2254.207	2340.121	2577.405	2777.870	2843.328
57.5	2217.387	2303.300	2534.449	2732.868	2798.326
58.0	2178.521	2264.435	2493.537	2687.866	2753.324
58.5	2141.701	2227.615	2450.581	2642.863	2706.276
59.0	2104.881	2188.749	2409.670	2595.815	2659.228
59.5	2066.015	2149.883	2366.713	2550.813	2612.180
60.0	2029.195	2111.018	2323.756	2503.765	2565.132
60.5	1990.943	2072.152	2280.799	2456.717	2516.039
61.0	1953.510	2033.082	2235.797	2409.670	2466.945
61.5	1914.644	1993.398	2192.840	2362.622	2417.852
62.0	1876.188	1953.510	2149.883	2315.574	2368.758
62.5	1837.322	1913.826	2104.881	2268.526	2319.665
63.0	1799.070	1873.937	2059.879	2219.432	2270.571
63.5	1760.818	1833.435	2015.081	2172.385	2219.432
64.0	1722.361	1792.933	1969.874	2123.291	2170.339
64.5	1684.314	1752.636	1924.872	2074.198	2119.200
65.0	1645.244	1711.520	1879.665	2025.104	2068.061
65.5	1606.378	1670.813	1834.254	1976.215	2018.558
66.0	1567.513	1630.311	1789.047	1926.917	1967.624
66.5	1528.647	1589.400	1743.840	1877.619	1917.099
67.0	1489.372	1548.693	1697.815	1827.912	1866.369
67.5	1449.893	1507.782	1652.199	1778.614	1815.844
68.0	1410.618	1467.076	1606.787	1728.703	1765.318
68.5	1371.139	1425.755	1560.967	1678.791	1714.588
69.0	1331.659	1384.639	1515.760	1629.493	1664.881
69.5	1291.567	1343.115	1469.735	1579.786	1615.174
70.0	1251.269	1301.794	1424.323	1530.283	1564.444
70.5	1211.176	1260.679	1378.503	1480.576	1514.328
71.0	1171.492	1218.949	1332.478	1431.278	1463.598
71.5	1131.399	1177.424	1286.862	1381.776	1413.277
72.0	1091.306	1135.695	1241.041	1332.478	1362.752
72.5	1051.213	1094.170	1195.425	1283.180	1312.431
73.0	1011.120	1052.645	1149.809	1234.086	1262.110
73.5	971.232	1011.325	1104.193	1185.402	1211.790
74.0	931.753	970.004	1058.986	1136.718	1161.060
74.5	892.273	928.889	1014.393	1088.442	1111.557
75.0	852.998	888.387	970.004	1040.167	1061.850
75.5	813.519	847.475	925.207	992.710	1012.757
76.0	775.676	806.973	881.023	945.458	963.663
76.5	737.833	766.880	837.248	898.205	914.774
77.0	700.195	727.197	793.473	851.567	866.704
77.5	662.966	688.126	750.925	805.337	819.860
78.0	625.532	649.465	708.377	759.721	773.222
78.5	588.508	611.009	666.239	715.128	727.810
79.0	552.301	573.370	624.919	670.739	682.399
79.5	516.504	535.937	584.007	627.169	637.806
80.0	480.707	499.321	543.710	583.803	594.031
80.5	445.932	463.319	504.231	541.664	551.278
81.0	410.748	427.522	465.160	500.139	508.935
81.5	376.792	392.543	427.113	459.433	467.615
82.0	343.245	358.587	390.088	419.749	427.317
82.5	310.516	325.039	354.086	381.088	388.043

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83.0	278.196	292.720	319.107	343.859	349.791
83.5	247.104	261.218	285.151	307.243	312.766
84.0	217.443	230.944	252.422	272.469	277.173
84.5	189.010	201.692	221.330	239.331	243.013
85.0	161.804	173.873	191.874	207.624	210.693
85.5	136.439	147.485	164.054	177.759	180.009
86.0	111.483	122.734	138.075	149.940	151.371
86.5	88.982	100.028	114.142	124.370	125.188
87.0	68.935	78.959	92.050	101.255	101.664
87.5	51.139	60.753	72.413	81.004	80.800
88.0	36.002	45.002	55.844	63.208	62.390
88.5	24.138	32.524	41.116	45.821	43.775
89.0	15.137	22.092	27.206	30.070	27.411
89.5	9.614	13.501	16.364	18.205	15.955
90.0	7.569	10.841	13.296	14.728	13.705
90.5	15.955	25.979	24.342	19.842	14.728
91.0	19.842	38.661	35.184	30.683	25.774
91.5	24.547	54.616	47.866	41.729	36.411
92.0	30.274	72.822	63.412	53.798	48.071
92.5	37.025	90.618	84.686	68.731	61.367
93.0	44.389	106.369	110.460	88.368	78.345
93.5	52.980	123.347	139.507	113.733	100.846
94.0	62.594	140.735	172.032	144.417	128.461
94.5	73.026	153.212	204.761	181.032	161.804
95.0	84.073	167.327	235.853	221.943	201.488
95.5	95.732	183.078	264.491	263.877	245.058
96.0	107.801	198.828	292.924	306.425	290.060
96.5	120.279	214.784	323.608	347.745	335.267
97.0	132.757	230.944	359.609	388.861	379.860
97.5	146.053	247.104	397.043	429.772	425.067
98.0	159.349	263.877	433.454	471.502	470.070
98.5	172.645	280.855	466.183	513.845	515.686
99.0	186.964	297.424	496.662	558.029	561.915
99.5	201.079	314.607	530.005	603.440	608.963
100.0	215.193	332.199	562.120	652.124	657.034
100.5	229.716	349.586	596.076	705.104	706.127
101.0	244.444	366.973	632.896	757.266	756.039
101.5	259.582	384.565	668.694	806.155	806.769
102.0	274.310	402.362	704.900	849.930	857.703
102.5	289.242	420.363	740.084	893.705	910.070
103.0	304.379	438.363	774.040	938.707	962.436
103.5	319.721	455.546	806.973	983.710	1015.416
104.0	334.858	472.933	838.884	1030.349	1067.578
104.5	349.995	490.525	870.181	1079.237	1120.558
105.0	365.337	508.117	901.683	1130.786	1172.924
105.5	380.474	524.891	933.798	1182.334	1225.290
106.0	395.407	540.641	965.095	1231.836	1277.452
106.5	410.544	555.574	995.779	1281.339	1329.000
107.0	425.476	571.120	1024.826	1330.432	1381.162
107.5	440.204	588.098	1052.441	1377.071	1432.301
108.0	454.933	605.281	1079.851	1421.460	1482.622
108.5	469.251	621.646	1106.239	1464.621	1532.738
109.0	483.570	636.578	1132.422	1507.373	1581.218
109.5	497.685	650.488	1157.582	1549.102	1628.879
110.0	511.799	664.193	1182.538	1589.809	1675.927
110.5	525.709	679.330	1206.267	1629.902	1722.157

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CANDELA TABULATION - (Cont.)

111.0	539.414	695.490	1228.768	1668.563	1767.773
111.5	552.915	711.241	1250.042	1706.201	1811.752
112.0	566.211	726.378	1269.679	1742.612	1854.709
112.5	579.303	740.288	1287.885	1777.592	1896.848
113.0	592.190	753.175	1304.658	1810.730	1936.736
113.5	604.668	764.630	1320.818	1842.845	1976.215
114.0	617.145	774.858	1335.955	1873.324	2014.876
114.5	629.419	784.472	1350.274	1902.371	2051.697
115.0	641.283	794.291	1363.570	1929.577	2084.426
115.5	653.147	804.723	1375.434	1955.146	2117.154
116.0	664.602	815.360	1385.867	1978.466	2149.883
116.5	675.648	826.611	1395.072	2000.148	2178.521
117.0	686.490	837.452	1402.027	2019.581	2205.114
117.5	697.127	848.089	1407.141	2036.764	2229.660
118.0	707.355	858.112	1411.436	2051.697	2252.161
118.5	716.969	867.317	1416.346	2066.015	2274.663
119.0	726.378	875.909	1420.846	2078.289	2293.073
119.5	735.583	883.682	1425.346	2086.471	2309.437
120.0	744.584	890.637	1429.437	2094.653	2321.710
120.5	753.175	896.569	1432.301	2098.744	2333.984
121.0	761.357	902.092	1434.142	2102.836	2344.212
121.5	769.540	907.001	1434.551	2102.836	2350.348
122.0	777.313	911.911	1433.937	2102.836	2354.439
122.5	784.677	917.024	1431.892	2100.790	2358.531
123.0	791.836	921.934	1429.028	2096.699	2358.531
123.5	798.791	926.434	1424.937	2090.562	2356.485
124.0	805.337	931.139	1419.619	2082.380	2352.394
124.5	811.474	935.230	1413.482	2072.152	2346.257
125.0	817.406	939.526	1406.527	2059.879	2338.075
125.5	822.929	943.208	1399.368	2047.605	2327.847
126.0	828.247	946.685	1391.594	2033.900	2315.574
126.5	833.157	950.163	1383.821	2018.763	2301.255
127.0	837.861	953.231	1375.639	2002.194	2282.845
127.5	841.952	956.299	1367.252	1983.989	2264.435
128.0	846.044	958.754	1358.661	1964.965	2246.025
128.5	849.521	960.799	1349.456	1944.509	2223.524
129.0	852.998	962.436	1340.046	1923.031	2198.977
129.5	856.067	963.663	1330.228	1901.143	2174.430
130.0	858.931	964.277	1320.204	1877.824	2145.792
130.5	861.385	964.686	1310.181	1853.686	2119.200
131.0	863.635	964.686	1299.749	1828.731	2088.517
131.5	865.885	963.868	1289.112	1803.775	2057.833
132.0	867.317	962.845	1278.270	1778.205	2027.559
132.5	868.749	961.618	1267.633	1752.431	1995.648
133.0	869.772	959.981	1256.792	1726.453	1963.533
133.5	870.590	958.345	1246.155	1699.860	1931.009
134.0	871.204	956.504	1235.109	1673.882	1898.484
134.5	871.613	954.458	1224.063	1647.903	1865.142
135.0	871.818	952.413	1213.017	1621.515	1832.208
135.5	871.409	949.958	1201.971	1595.741	1799.274
136.0	870.999	947.503	1191.334	1569.763	1766.136
136.5	870.386	944.844	1180.493	1544.602	1733.817
137.0	869.363	942.185	1169.856	1519.237	1701.088
137.5	868.136	939.321	1159.219	1494.486	1668.359
138.0	866.908	936.048	1148.582	1469.939	1637.266
138.5	865.272	932.775	1137.945	1445.802	1605.151

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CANDELA TABULATION - (Cont.)

139.0	863.431	929.298	1127.513	1422.278	1574.263
139.5	861.385	925.616	1117.285	1398.958	1544.193
140.0	859.135	921.729	1106.852	1376.253	1514.942
140.5	856.476	917.638	1096.625	1353.956	1485.690
141.0	854.021	913.342	1086.601	1331.864	1457.257
141.5	850.953	908.842	1076.578	1310.386	1429.642
142.0	848.089	904.137	1066.759	1289.521	1402.845
142.5	845.021	899.228	1056.736	1269.270	1376.866
143.0	841.748	894.319	1047.122	1249.223	1351.706
143.5	838.680	889.205	1037.508	1229.995	1326.955
144.0	835.202	884.091	1027.894	1211.176	1302.817
144.5	831.725	878.773	1018.280	1192.971	1279.498
145.0	828.043	873.250	1008.870	1174.970	1256.997
145.5	824.361	867.727	999.665	1157.582	1234.905
146.0	820.474	861.999	990.256	1140.604	1213.631
146.5	816.383	856.476	981.255	1124.035	1192.766
147.0	812.087	850.748	972.050	1108.080	1172.719
147.5	808.201	845.225	963.050	1092.329	1153.491
148.0	803.905	839.089	954.049	1077.192	1134.877
148.5	799.405	833.157	945.253	1062.259	1116.671
149.0	794.905	827.224	936.457	1047.940	1098.670
149.5	790.404	821.292	927.866	1033.621	1081.283
150.0	785.904	815.565	919.070	1019.916	1064.509
150.5	781.199	809.837	910.274	1006.620	1048.349
151.0	776.904	804.110	901.683	993.324	1032.599
151.5	772.199	798.587	893.091	980.437	1017.052
152.0	767.699	792.859	884.500	967.754	1002.120
152.5	763.403	786.927	875.909	955.481	987.596
153.0	759.312	780.995	867.522	943.412	973.687
153.5	755.016	774.858	858.931	931.548	960.186
154.0	750.720	769.131	850.748	919.888	946.685
154.5	746.425	762.789	842.362	908.638	933.798
155.0	741.925	757.062	833.975	897.592	920.911
155.5	737.629	751.539	825.793	886.546	908.842
156.0	732.924	745.811	817.406	875.909	896.773
156.5	728.424	740.288	809.223	865.067	884.909
157.0	723.719	734.765	800.837	854.839	873.250
157.5	719.219	729.447	792.450	844.612	861.999
158.0	714.719	723.924	784.472	834.384	850.748
158.5	710.423	718.401	776.085	824.770	840.316
159.0	706.127	713.082	768.108	814.951	829.475
159.5	701.832	707.764	760.130	805.541	818.838
160.0	697.536	702.445	752.357	796.132	808.610
160.5	693.445	697.331	744.379	786.927	798.382
161.0	689.558	692.217	736.606	777.926	788.768
161.5	685.263	687.104	728.833	769.131	779.154
162.0	681.171	682.194	721.264	759.721	769.744
162.5	677.285	677.080	713.900	750.720	760.335
163.0	673.194	672.376	706.536	741.925	751.130
163.5	669.512	667.671	699.172	733.129	741.720
164.0	665.625	662.966	692.013	724.537	732.720
164.5	661.943	658.261	684.444	716.151	723.515
165.0	658.261	653.761	676.876	707.968	714.923
165.5	654.579	649.465	669.716	699.786	706.332
166.0	651.102	645.170	663.580	691.604	697.945
166.5	647.624	641.078	657.648	683.831	689.763

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CANDELA TABULATION - (Cont.)

167.0	644.351	636.987	651.920	676.058	681.581
167.5	641.078	632.896	646.192	668.489	674.012
168.0	638.010	629.010	640.669	661.125	666.239
168.5	634.737	625.123	635.351	652.943	658.875
169.0	631.464	621.237	630.237	646.192	651.306
169.5	628.396	617.555	625.532	640.260	643.124
170.0	625.532	614.077	620.827	634.533	636.987
170.5	622.464	610.804	616.532	629.010	631.464
171.0	619.805	607.531	612.032	623.691	625.941
171.5	617.350	604.463	608.145	618.782	620.827
172.0	614.691	601.599	604.258	613.873	615.918
172.5	612.645	598.735	600.576	609.577	611.213
173.0	610.191	596.281	597.303	605.281	606.713
173.5	608.145	593.826	593.826	601.190	602.213
174.0	606.099	591.371	590.962	597.508	598.122
174.5	604.258	589.326	588.098	594.031	594.031
175.0	602.622	587.485	585.439	590.553	589.939
175.5	601.190	585.848	582.985	587.485	586.257
176.0	599.758	584.212	580.734	584.416	582.780
176.5	598.531	582.780	578.689	581.757	579.507
177.0	597.713	581.553	576.848	579.507	576.234
177.5	596.690	580.530	575.416	577.257	573.575
178.0	596.076	579.712	574.189	575.621	571.734
178.5	595.462	579.098	573.166	574.189	570.507
179.0	595.053	578.484	572.348	573.166	569.688
179.5	594.849	578.280	571.939	572.552	569.279
180.0	576.030	576.030	576.030	576.030	576.030

IES INDOOR REPORT
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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1584.48	N.A.	7.90
0-30	3483.93	N.A.	17.30
0-40	5923.62	N.A.	29.40
0-60	11001.47	N.A.	54.60
0-80	13869.46	N.A.	68.80
0-90	14107.03	N.A.	70.00
10-90	13708.03	N.A.	68.00
20-40	4339.14	N.A.	21.50
20-50	6986.21	N.A.	34.70
40-70	6924.57	N.A.	34.40
60-80	2867.99	N.A.	14.20
70-80	1021.27	N.A.	5.10
80-90	237.57	N.A.	1.20
90-110	1100.07	N.A.	5.50
90-120	2432.93	N.A.	12.10
90-130	3762.67	N.A.	18.70
90-150	5408.9	N.A.	26.80
90-180	6049.55	N.A.	30.00
110-180	4949.48	N.A.	24.60
0-180	20156.58	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	398.99
10-20	1185.49
20-30	1899.45
30-40	2439.69
40-50	2647.07
50-60	2430.78
60-70	1846.71
70-80	1021.27
80-90	237.57
90-100	230.85
100-110	869.22
110-120	1332.87
120-130	1329.74
130-140	997.51
140-150	648.72
150-160	387.46
160-170	195.75
170-180	57.44

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SDI5-8-L27-835-DMA-30U-70D-DIM-UNV_.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	112	112	112	112	106	106	106	106	94	94	94	84	84	84	74	74	74	70
1	102	97	93	89	96	92	89	85	82	80	77	74	71	69	65	64	62	58
2	92	85	78	72	87	80	74	69	72	67	63	64	61	57	57	54	52	48
3	84	74	66	60	79	70	63	57	63	57	53	56	52	48	50	47	44	40
4	77	65	57	50	72	62	54	48	56	49	44	50	45	41	44	40	37	34
5	70	58	49	43	66	55	47	41	50	43	38	44	39	35	40	35	32	29
6	65	52	43	37	61	49	41	36	44	38	33	40	35	30	36	31	28	25
7	60	47	38	32	56	44	37	31	40	34	29	36	31	27	33	28	25	22
8	55	42	34	28	52	40	33	28	37	30	26	33	28	24	30	25	22	20
9	52	39	31	25	49	37	30	25	34	27	23	30	25	21	27	23	20	18
10	48	35	28	23	45	34	27	22	31	25	21	28	23	19	25	21	18	16

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PHOTOMETRIC FILENAME : SDI5-8-L27-835-DMA-30U-70D-DIM-UNV_.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	17.7	18.8	18.4	19.6	20.5	19.8	20.9	20.6	21.7	22.7
	3H	19.1	20.1	19.9	20.9	21.9	21.6	22.6	22.3	23.4	24.4
	4H	19.6	20.5	20.3	21.3	22.3	22.2	23.1	23.0	23.9	24.9
	6H	19.8	20.7	20.6	21.5	22.5	22.6	23.4	23.4	24.2	25.3
	8H	19.8	20.6	20.6	21.5	22.5	22.7	23.5	23.5	24.3	25.3
	12H	19.8	20.6	20.6	21.4	22.5	22.7	23.5	23.5	24.3	25.3

UGR Viewed Endwise

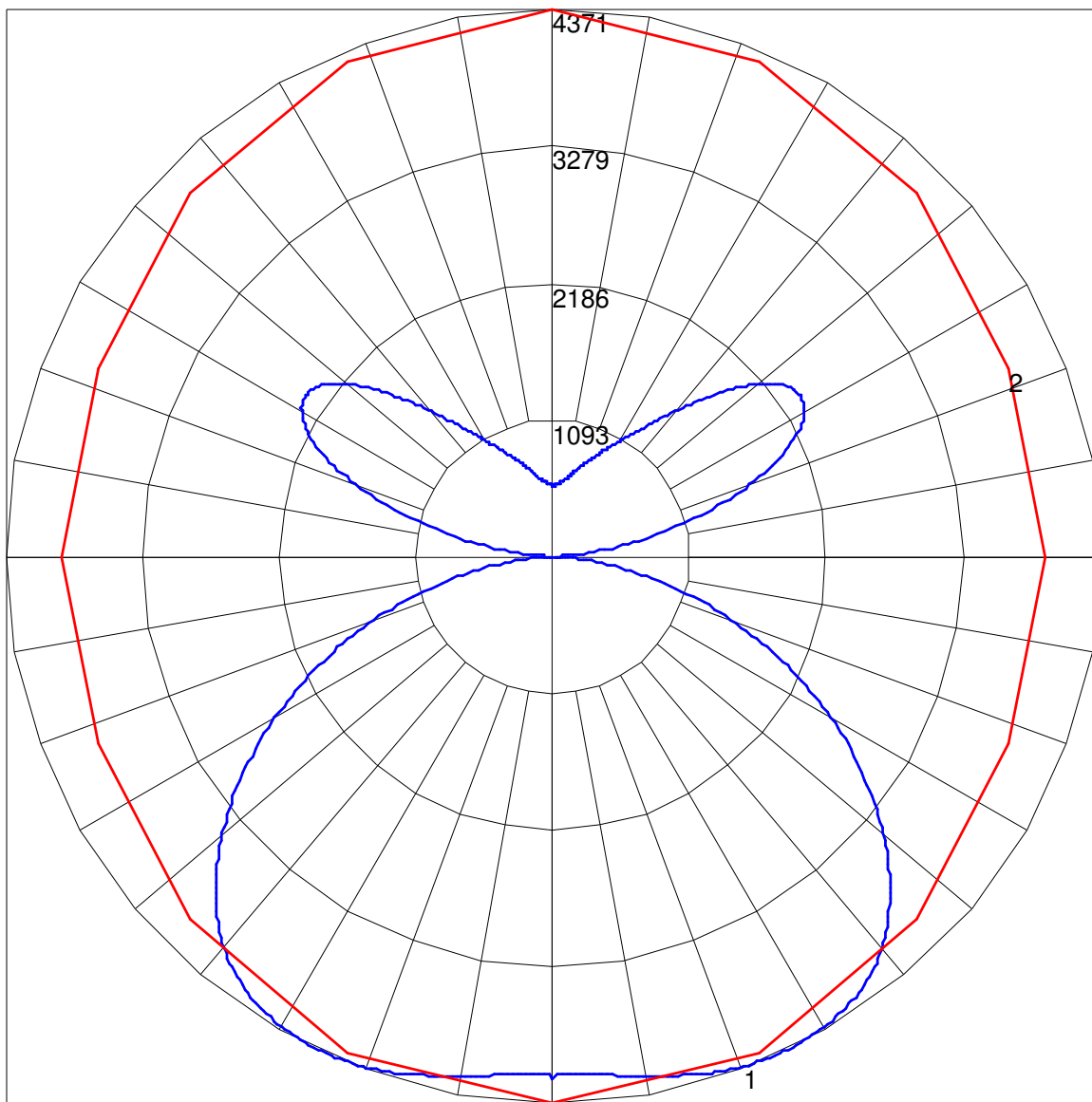
4H	2H	18.4	19.4	19.2	20.2	21.2	20.1	21.1	20.9	21.9	22.9
	3H	20.0	20.8	20.8	21.7	22.7	22.1	22.9	22.9	23.7	24.7
	4H	20.5	21.3	21.4	22.1	23.1	22.8	23.5	23.6	24.3	25.4
	6H	20.8	21.5	21.7	22.3	23.4	23.3	23.9	24.1	24.7	25.8
	8H	20.9	21.5	21.7	22.3	23.4	23.4	24.0	24.2	24.8	25.9
	12H	20.9	21.4	21.8	22.3	23.4	23.4	24.0	24.3	24.8	25.9

8H	4H	20.8	21.4	21.7	22.3	23.3	22.8	23.4	23.7	24.3	25.3
	6H	21.2	21.7	22.1	22.6	23.6	23.4	23.9	24.3	24.8	25.8
	8H	21.3	21.7	22.2	22.6	23.7	23.6	24.0	24.5	24.9	26.0
	12H	21.3	21.7	22.2	22.6	23.7	23.7	24.0	24.6	24.9	26.1

12H	4H	20.8	21.4	21.7	22.2	23.3	22.8	23.3	23.7	24.2	25.3
	6H	21.2	21.7	22.1	22.5	23.6	23.4	23.8	24.3	24.7	25.8
	8H	21.3	21.7	22.2	22.6	23.7	23.6	24.0	24.5	24.8	26.0

Maximum UGR = 26.1

POLAR GRAPH



Maximum Candela = 4371.361 Located At Horizontal Angle = 90, Vertical Angle = 24.5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (24.5) (Through Max. Cd.)