

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : SDI5-8-L27-835-DMA-10U-90D-(L20)-DIM-UNV\_.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] GEN FROM 12731921.06  
[TESTLAB] UL Verification Services Inc.  
[ISSUE DATE] 06-28-2023  
[MANUFAC] WILLIAMS INDOOR  
[OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.64836  
[LUMINAIRE] 8' SUSPENDED LINEAR LUMINAIRE  
[MORE] WITH FROSTED ACRYLIC LENS  
[LUMCAT] SDI5-8-L27-835-DMA-10U-90D-(L20)-DIM-UNV  
[LAMPCAT] 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	16188
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	149
Total Luminaire Watts	108.47
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.22
Spacing Criterion (Diagonal)	1.34
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	8.00 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	16253	12771	11743
55	15234	11002	9821
65	13781	8813	7618
75	11331	5849	4831
85	6206	1857	1427

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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	5517.543	5517.543	5517.543	5517.543	5517.543
0.5	5508.837	5541.918	5500.132	5510.578	5521.025
1.0	5507.096	5540.177	5500.132	5508.837	5521.025
1.5	5505.355	5540.177	5498.391	5508.837	5519.284
2.0	5503.614	5538.436	5496.650	5505.355	5517.543
2.5	5501.873	5534.954	5493.167	5503.614	5514.061
3.0	5496.650	5531.472	5489.685	5501.873	5510.578
3.5	5494.908	5526.248	5484.462	5498.391	5505.355
4.0	5491.426	5521.025	5479.239	5494.908	5500.132
4.5	5486.203	5515.802	5474.015	5487.944	5494.908
5.0	5480.980	5510.578	5468.792	5480.980	5487.944
5.5	5474.015	5503.614	5461.828	5474.015	5480.980
6.0	5467.051	5496.650	5454.863	5467.051	5475.756
6.5	5460.086	5489.685	5447.899	5458.345	5467.051
7.0	5451.381	5480.980	5439.193	5449.640	5460.086
7.5	5442.675	5472.274	5432.229	5440.934	5451.381
8.0	5432.229	5463.569	5421.782	5430.488	5440.934
8.5	5421.782	5453.122	5413.077	5420.041	5428.747
9.0	5409.595	5442.675	5402.630	5409.595	5416.559
9.5	5399.148	5432.229	5392.184	5399.148	5404.371
10.0	5388.701	5420.041	5379.996	5385.219	5392.184
10.5	5378.255	5407.853	5367.808	5373.032	5378.255
11.0	5366.067	5395.666	5353.879	5359.103	5362.585
11.5	5350.397	5383.478	5339.951	5345.174	5348.656
12.0	5334.727	5369.549	5326.022	5329.504	5334.727
12.5	5320.799	5353.879	5312.093	5313.834	5320.799
13.0	5306.870	5339.951	5296.423	5299.905	5305.129
13.5	5291.200	5322.540	5280.753	5282.494	5285.977
14.0	5275.530	5306.870	5263.342	5266.824	5270.307
14.5	5259.860	5289.459	5245.931	5249.413	5254.637
15.0	5242.449	5272.048	5228.520	5232.002	5233.744
15.5	5225.038	5256.378	5209.368	5212.850	5214.592
16.0	5205.886	5238.967	5191.957	5193.698	5195.439
16.5	5186.734	5219.815	5171.064	5172.805	5176.287
17.0	5167.582	5198.922	5150.171	5153.653	5157.135
17.5	5146.689	5178.028	5129.278	5132.760	5136.242
18.0	5127.537	5158.876	5110.126	5111.867	5115.349
18.5	5106.643	5136.242	5087.491	5089.232	5090.973
19.0	5084.009	5115.349	5066.598	5066.598	5068.339
19.5	5061.375	5092.715	5045.705	5045.705	5045.705
20.0	5038.741	5070.080	5023.071	5019.588	5023.071
20.5	5016.106	5047.446	4998.695	4995.213	4998.695
21.0	4995.213	5024.812	4974.320	4970.838	4974.320
21.5	4972.579	5000.436	4951.686	4946.462	4949.944
22.0	4948.203	4976.061	4927.310	4920.346	4923.828
22.5	4922.087	4951.686	4902.935	4895.970	4895.970
23.0	4897.711	4925.569	4876.818	4869.854	4869.854
23.5	4873.336	4899.453	4850.702	4843.737	4840.255
24.0	4847.220	4873.336	4822.844	4817.621	4812.398
24.5	4822.844	4847.220	4796.728	4789.763	4782.799
25.0	4796.728	4819.362	4768.870	4761.906	4754.941
25.5	4768.870	4793.246	4742.754	4734.048	4725.343
26.0	4741.013	4765.388	4714.896	4704.449	4697.485
26.5	4714.896	4737.530	4687.039	4674.851	4667.886

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27.0	4685.297	4707.932	4655.699	4645.252	4638.288
27.5	4655.699	4678.333	4626.100	4615.653	4608.689
28.0	4626.100	4648.734	4596.501	4584.314	4579.090
28.5	4596.501	4617.395	4565.162	4552.974	4547.751
29.0	4565.162	4587.796	4533.822	4521.634	4516.411
29.5	4535.563	4556.456	4504.223	4490.294	4485.071
30.0	4504.223	4526.857	4472.883	4457.213	4451.990
30.5	4471.142	4495.518	4439.802	4425.874	4418.909
31.0	4439.802	4464.178	4408.463	4392.793	4385.828
31.5	4408.463	4431.097	4375.382	4361.453	4352.747
32.0	4375.382	4398.016	4342.301	4326.631	4319.667
32.5	4344.042	4364.935	4309.220	4293.550	4284.845
33.0	4310.961	4331.854	4274.398	4258.728	4251.764
33.5	4277.880	4298.773	4239.576	4223.906	4216.942
34.0	4243.058	4263.951	4206.495	4189.084	4182.120
34.5	4211.718	4229.129	4171.673	4154.262	4143.816
35.0	4176.897	4194.307	4136.851	4119.440	4107.253
35.5	4143.816	4159.486	4102.029	4082.877	4068.948
36.0	4110.735	4124.664	4067.207	4046.314	4032.385
36.5	4075.913	4089.842	4032.385	4011.492	3995.822
37.0	4041.091	4055.020	3995.822	3973.188	3957.518
37.5	4004.528	4018.456	3961.000	3936.625	3919.214
38.0	3967.965	3981.893	3922.696	3898.321	3880.910
38.5	3933.143	3945.330	3886.133	3858.275	3842.605
39.0	3896.580	3908.767	3847.829	3821.712	3804.301
39.5	3860.016	3872.204	3811.266	3781.667	3765.997
40.0	3823.453	3835.641	3772.962	3743.363	3727.693
40.5	3786.890	3799.078	3734.657	3705.059	3689.389
41.0	3748.586	3760.774	3698.094	3666.754	3651.085
41.5	3710.282	3720.729	3659.790	3628.450	3614.522
42.0	3673.719	3684.165	3619.745	3590.146	3576.217
42.5	3637.156	3644.120	3581.441	3551.842	3539.654
43.0	3598.852	3605.816	3543.136	3515.279	3499.609
43.5	3560.547	3567.512	3504.832	3475.234	3461.305
44.0	3522.243	3527.467	3464.787	3436.929	3423.001
44.5	3485.680	3489.162	3426.483	3398.625	3384.696
45.0	3447.376	3449.117	3388.179	3360.321	3348.133
45.5	3409.072	3410.813	3349.874	3322.017	3308.088
46.0	3370.768	3369.027	3309.829	3283.713	3269.784
46.5	3330.722	3328.981	3271.525	3243.667	3229.739
47.0	3292.418	3290.677	3231.480	3205.363	3189.693
47.5	3252.373	3250.632	3193.176	3165.318	3147.907
48.0	3212.328	3210.587	3153.130	3125.273	3107.862
48.5	3172.282	3172.282	3113.085	3085.227	3067.816
49.0	3132.237	3130.496	3073.040	3045.182	3027.771
49.5	3092.192	3090.451	3032.994	3005.137	2987.726
50.0	3052.147	3050.405	2992.949	2965.092	2945.940
50.5	3010.360	3010.360	2954.645	2923.305	2904.153
51.0	2970.315	2970.315	2912.859	2881.519	2864.108
51.5	2928.529	2930.270	2872.813	2841.474	2822.321
52.0	2888.483	2888.483	2832.768	2799.687	2780.535
52.5	2846.697	2848.438	2790.982	2759.642	2738.749
53.0	2806.652	2806.652	2750.936	2717.856	2698.703
53.5	2764.865	2764.865	2709.150	2676.069	2656.917
54.0	2723.079	2724.820	2667.364	2636.024	2616.872
54.5	2683.034	2683.034	2627.318	2594.238	2575.085

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55.0	2641.247	2641.247	2585.532	2552.451	2533.299
55.5	2599.461	2599.461	2543.746	2510.665	2491.513
56.0	2557.674	2555.933	2501.959	2468.878	2451.467
56.5	2515.888	2514.147	2460.173	2428.833	2409.681
57.0	2474.102	2470.619	2416.645	2387.047	2369.636
57.5	2430.574	2428.833	2374.859	2345.260	2326.108
58.0	2388.788	2385.306	2333.073	2303.474	2284.322
58.5	2347.001	2341.778	2289.545	2261.688	2242.536
59.0	2303.474	2298.251	2247.759	2219.901	2202.490
59.5	2259.947	2254.723	2205.972	2178.115	2160.704
60.0	2216.419	2211.196	2164.186	2136.328	2118.917
60.5	2172.892	2169.409	2120.659	2094.542	2075.390
61.0	2129.364	2125.882	2078.872	2051.015	2033.604
61.5	2085.837	2082.354	2037.086	2009.228	1991.817
62.0	2044.050	2038.827	1995.299	1967.442	1950.031
62.5	2000.523	1995.299	1951.772	1925.655	1908.245
63.0	1956.995	1951.772	1909.986	1883.869	1866.458
63.5	1911.727	1909.986	1868.199	1842.083	1824.672
64.0	1868.199	1866.458	1826.413	1800.296	1782.885
64.5	1824.672	1822.931	1782.885	1756.769	1740.577
65.0	1782.885	1777.662	1741.099	1715.679	1698.268
65.5	1739.010	1735.179	1698.616	1674.241	1657.352
66.0	1696.179	1692.000	1656.133	1631.932	1615.218
66.5	1652.129	1648.473	1613.476	1590.842	1573.953
67.0	1609.298	1605.467	1571.168	1548.533	1532.515
67.5	1566.641	1561.592	1528.511	1506.399	1490.729
68.0	1522.069	1518.238	1486.028	1464.613	1449.813
68.5	1479.238	1474.363	1443.023	1423.522	1411.509
69.0	1435.884	1430.835	1402.281	1384.174	1369.897
69.5	1393.750	1389.049	1361.191	1342.213	1327.588
70.0	1352.660	1346.914	1318.534	1300.253	1285.802
70.5	1308.610	1303.909	1275.703	1258.118	1244.886
71.0	1267.172	1262.471	1235.136	1218.943	1205.189
71.5	1224.515	1219.814	1194.046	1177.505	1163.402
72.0	1181.510	1176.112	1152.085	1135.545	1121.790
72.5	1138.505	1132.759	1109.777	1093.758	1080.004
73.0	1095.151	1089.754	1067.990	1052.494	1038.566
73.5	1052.146	1046.923	1026.030	1010.882	997.127
74.0	1008.619	1004.440	984.069	969.270	956.212
74.5	965.613	961.783	942.631	928.354	915.470
75.0	922.782	919.300	901.367	887.786	875.250
75.5	881.344	877.514	860.451	847.393	835.553
76.0	840.080	836.076	819.884	807.174	795.682
76.5	798.816	794.986	779.664	767.302	756.159
77.0	757.552	754.418	739.793	727.779	717.159
77.5	716.288	714.199	700.096	688.779	678.506
78.0	676.243	674.502	661.095	650.475	640.724
78.5	636.720	634.979	622.617	612.693	603.291
79.0	598.068	596.152	584.661	575.607	566.728
79.5	560.112	558.022	547.227	538.870	530.339
80.0	522.330	520.240	510.664	503.003	494.646
80.5	485.070	483.329	474.798	467.485	459.998
81.0	448.507	447.114	439.802	433.360	425.873
81.5	412.815	411.596	405.850	399.930	392.966
82.0	378.167	377.296	372.595	367.372	360.756
82.5	344.563	344.041	340.385	335.858	329.416

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83.0	311.657	311.831	309.219	305.215	299.121
83.5	279.969	280.491	279.098	275.790	270.044
84.0	249.674	250.718	250.370	247.758	242.535
84.5	220.597	222.164	222.861	220.597	216.070
85.0	192.566	195.003	196.744	195.177	190.999
85.5	165.927	169.409	172.021	170.976	167.146
86.0	140.681	144.685	148.342	148.168	144.859
86.5	116.654	121.529	126.056	126.578	123.444
87.0	94.193	99.591	105.162	106.381	103.769
87.5	73.300	78.872	85.140	87.055	84.617
88.0	53.974	59.720	65.814	68.251	65.465
88.5	35.867	41.612	47.010	48.751	45.443
89.0	19.326	24.898	29.599	32.733	31.514
89.5	7.139	12.536	18.282	20.893	19.849
90.0	2.089	4.005	6.442	7.139	6.094
90.5	7.661	11.143	9.924	7.487	4.005
91.0	8.183	10.795	9.750	7.139	4.179
91.5	9.054	11.665	10.447	7.835	4.701
92.0	9.924	12.884	11.317	8.531	5.572
92.5	10.969	14.103	12.536	9.750	6.616
93.0	12.362	15.322	14.103	11.317	8.183
93.5	14.103	16.889	15.844	13.058	10.098
94.0	15.670	18.630	17.759	14.973	12.188
94.5	17.585	20.545	19.674	17.237	14.451
95.0	19.849	22.808	21.938	19.500	16.889
95.5	22.634	25.420	24.549	21.938	19.500
96.0	25.594	28.206	26.987	24.549	22.112
96.5	28.554	31.166	29.773	27.335	24.724
97.0	31.862	34.300	32.559	30.121	27.683
97.5	35.344	37.434	35.518	33.255	30.817
98.0	39.001	40.916	38.652	36.389	33.951
98.5	42.657	44.398	41.960	39.523	37.260
99.0	46.487	47.880	45.269	42.831	40.568
99.5	50.492	51.537	48.751	46.313	44.050
100.0	54.496	55.367	52.233	49.795	47.532
100.5	58.849	59.371	56.063	53.278	51.188
101.0	63.028	63.202	59.720	56.934	54.845
101.5	67.381	67.381	63.550	60.764	58.501
102.0	71.907	71.559	67.555	64.421	62.331
102.5	76.260	75.738	71.559	68.251	66.162
103.0	80.787	80.091	75.564	72.256	70.166
103.5	85.488	84.443	79.742	76.086	73.997
104.0	90.015	88.970	83.747	80.265	78.001
104.5	94.890	93.497	87.925	84.269	82.006
105.0	99.591	98.024	92.278	88.274	86.010
105.5	104.466	102.551	96.457	92.452	90.189
106.0	109.341	107.252	100.810	96.457	94.193
106.5	114.216	111.953	105.162	100.636	98.372
107.0	119.091	116.654	109.515	104.814	102.551
107.5	123.966	121.355	113.694	108.993	106.729
108.0	129.015	126.230	118.047	113.171	111.082
108.5	133.891	130.931	122.399	117.524	115.261
109.0	138.940	135.806	126.752	121.703	119.439
109.5	143.815	140.681	131.105	125.881	123.618
110.0	148.864	145.730	135.458	130.234	127.971
110.5	153.739	150.605	139.810	134.413	132.324

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111.0	158.614	155.480	144.163	138.766	136.502
111.5	163.489	160.355	148.690	143.118	140.855
112.0	168.538	165.230	153.043	147.297	145.034
112.5	173.413	170.279	157.395	151.650	149.386
113.0	178.289	175.155	161.922	156.002	153.739
113.5	183.338	180.030	166.275	160.181	157.918
114.0	188.213	184.905	170.628	164.534	162.096
114.5	193.088	189.780	174.980	168.712	166.449
115.0	198.137	194.655	179.507	172.891	170.628
115.5	202.838	199.530	183.860	177.070	174.980
116.0	207.887	204.405	188.387	181.423	179.333
116.5	212.762	209.280	192.914	185.427	183.338
117.0	217.637	214.329	197.441	189.780	187.516
117.5	222.512	219.204	201.793	194.133	191.521
118.0	227.388	224.079	206.146	198.311	195.525
118.5	232.263	228.955	210.673	202.838	199.704
119.0	237.138	234.004	215.026	207.017	203.883
119.5	241.839	238.879	219.553	211.195	208.235
120.0	246.714	243.754	224.079	215.548	212.414
120.5	251.415	248.629	228.432	219.901	216.767
121.0	256.290	253.678	232.959	224.254	221.120
121.5	260.991	258.553	237.486	228.606	225.298
122.0	265.692	263.602	242.013	232.959	229.477
122.5	270.219	268.477	246.366	237.486	234.004
123.0	274.920	273.527	250.892	241.665	238.356
123.5	279.446	278.402	255.419	245.843	242.883
124.0	283.799	283.103	259.946	250.022	247.236
124.5	288.152	287.978	264.473	254.026	251.763
125.0	292.679	292.679	269.000	258.205	256.116
125.5	297.032	297.380	273.527	262.384	260.294
126.0	301.558	302.081	277.879	266.736	264.299
126.5	306.085	306.956	282.406	270.741	268.477
127.0	310.264	311.657	286.933	274.745	272.308
127.5	314.617	316.358	291.460	278.924	276.312
128.0	318.795	321.059	295.987	282.929	280.317
128.5	322.974	325.760	300.514	287.107	284.496
129.0	327.152	330.461	305.041	291.286	288.500
129.5	331.157	335.162	309.393	295.290	292.331
130.0	335.336	339.863	313.920	299.469	296.509
130.5	339.340	344.563	318.273	303.648	300.514
131.0	343.171	349.090	322.626	307.826	304.518
131.5	347.175	353.791	327.152	312.005	308.523
132.0	351.180	358.144	331.505	316.009	312.527
132.5	355.010	362.845	336.032	320.188	316.706
133.0	358.666	367.198	340.385	324.541	320.885
133.5	362.149	371.725	344.912	328.545	325.237
134.0	365.979	376.077	349.439	332.898	329.242
134.5	369.635	380.604	353.965	337.077	333.420
135.0	373.292	384.957	358.492	341.255	337.425
135.5	376.774	389.310	363.019	345.608	341.604
136.0	380.256	393.488	367.720	349.961	345.608
136.5	383.564	397.667	372.247	353.965	349.787
137.0	386.872	401.846	376.774	358.318	353.791
137.5	390.180	406.024	381.649	362.671	357.970
138.0	393.488	410.029	386.350	367.024	362.149
138.5	396.622	413.859	390.877	371.376	366.501

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SDI5-8-L27-835-DMA-10U-90D-(L20)-DIM-UNV\_.IES****CANDELA TABULATION - (Cont.)**

139.0	399.930	417.690	395.578	375.729	370.680
139.5	403.239	421.346	400.105	380.082	374.859
140.0	406.372	425.176	404.806	384.435	379.211
140.5	409.681	428.833	409.506	388.962	383.390
141.0	412.815	432.315	414.033	393.488	387.395
141.5	415.949	435.971	418.560	398.015	391.747
142.0	418.734	439.453	423.087	402.542	396.100
142.5	421.694	442.936	427.614	407.069	400.453
143.0	424.654	446.244	432.141	411.596	404.806
143.5	427.440	449.378	436.494	416.297	409.332
144.0	430.226	452.686	440.846	420.650	413.859
144.5	433.011	455.820	445.199	425.350	418.560
145.0	435.623	458.780	449.378	429.877	423.087
145.5	438.235	461.739	453.382	434.578	427.614
146.0	440.672	464.525	457.561	439.279	432.315
146.5	443.110	467.311	461.391	443.632	436.842
147.0	445.547	470.271	465.396	448.333	441.369
147.5	448.159	473.231	469.226	452.686	446.070
148.0	450.596	476.191	472.882	457.213	450.596
148.5	453.034	478.976	476.539	461.565	455.123
149.0	455.297	481.588	480.021	465.918	459.476
149.5	457.387	484.200	483.677	470.097	463.829
150.0	459.650	486.289	487.159	474.101	468.182
150.5	461.914	488.727	490.816	478.280	472.534
151.0	464.177	490.816	494.298	482.284	476.539
151.5	466.266	492.905	497.606	486.115	480.543
152.0	468.182	495.169	500.740	489.945	484.548
152.5	470.097	497.606	504.048	493.602	488.204
153.0	472.186	500.044	507.182	497.084	491.860
153.5	474.101	502.133	510.316	500.740	495.343
154.0	476.016	504.222	513.276	504.222	498.999
154.5	477.758	506.312	516.236	507.704	502.307
155.0	479.499	508.053	518.673	510.838	505.615
155.5	481.066	509.446	521.111	513.972	508.749
156.0	482.981	511.013	523.548	517.106	512.057
156.5	484.548	512.580	525.812	520.066	515.017
157.0	486.289	513.972	528.075	523.200	518.151
157.5	487.856	515.539	530.165	526.160	521.111
158.0	489.249	516.584	532.080	529.120	523.897
158.5	490.816	517.629	533.821	531.906	526.508
159.0	492.209	518.673	535.388	534.692	529.294
159.5	493.427	519.544	536.781	537.303	532.080
160.0	494.820	520.589	538.000	539.741	534.692
160.5	496.039	521.459	539.392	541.830	537.303
161.0	497.084	522.156	540.437	544.093	539.741
161.5	498.303	523.026	541.482	546.183	542.004
162.0	499.347	523.723	542.178	548.098	544.268
162.5	500.392	524.245	542.526	550.013	546.357
163.0	501.437	524.767	542.875	551.580	548.446
163.5	502.481	525.290	543.049	552.799	550.361
164.0	503.352	525.464	543.397	553.844	552.277
164.5	504.396	525.812	543.571	554.888	553.844
165.0	505.267	525.986	543.745	555.759	554.714
165.5	505.963	526.160	543.919	556.455	555.585
166.0	506.834	526.160	543.919	556.803	556.455
166.5	507.530	526.160	543.397	556.629	557.500

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SDI5-8-L27-835-DMA-10U-90D-(L20)-DIM-UNV\_.IES****CANDELA TABULATION - (Cont.)**

167.0	508.227	526.160	543.049	556.281	558.196
167.5	508.923	526.160	542.701	556.107	558.196
168.0	509.620	525.986	542.178	556.107	557.848
168.5	510.316	525.638	541.482	555.759	558.022
169.0	510.664	525.290	541.134	555.236	558.370
169.5	511.361	524.941	540.437	554.192	558.196
170.0	511.883	524.419	539.567	553.147	557.848
170.5	512.405	524.071	538.870	551.928	557.152
171.0	512.928	523.723	537.825	550.884	555.933
171.5	513.276	523.374	536.781	549.665	555.062
172.0	513.624	522.852	535.562	548.446	554.192
172.5	513.972	522.678	534.169	546.879	552.799
173.0	514.321	522.330	532.602	545.312	551.058
173.5	514.669	521.981	531.035	543.223	548.794
174.0	515.017	521.633	529.468	541.134	546.009
174.5	515.365	521.285	527.901	538.696	542.875
175.0	515.539	521.111	526.508	536.084	539.218
175.5	515.888	520.763	525.115	533.647	535.214
176.0	516.062	520.589	523.548	531.209	531.209
176.5	516.410	520.240	522.330	528.946	527.379
177.0	516.584	520.240	521.285	526.857	524.245
177.5	516.584	520.066	520.414	525.115	521.807
178.0	516.758	519.892	519.718	523.548	519.892
178.5	516.758	519.718	519.196	522.330	518.325
179.0	516.758	519.718	518.848	521.459	517.455
179.5	516.758	519.718	518.499	520.763	517.106
180.0	518.848	518.848	518.848	518.848	518.848



**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SDI5-8-L27-835-DMA-10U-90D-(L20)-DIM-UNV\_.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1998.75	N.A.	12.30
0-30	4200.7	N.A.	25.90
0-40	6794.32	N.A.	42.00
0-60	11731.46	N.A.	72.50
0-80	14413.28	N.A.	89.00
0-90	14647.92	N.A.	90.50
10-90	14127.16	N.A.	87.30
20-40	4795.58	N.A.	29.60
20-50	7417.11	N.A.	45.80
40-70	6662.92	N.A.	41.20
60-80	2681.82	N.A.	16.60
70-80	956.04	N.A.	5.90
80-90	234.64	N.A.	1.40
90-110	124.45	N.A.	0.80
90-120	305.33	N.A.	1.90
90-130	549.69	N.A.	3.40
90-150	1103.59	N.A.	6.80
90-180	1539.85	N.A.	9.50
110-180	1415.41	N.A.	8.70
0-180	16187.78	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	520.76
10-20	1477.98
20-30	2201.96
30-40	2593.62
40-50	2621.53
50-60	2315.61
60-70	1725.78
70-80	956.04
80-90	234.64
90-100	25.92
100-110	98.53
110-120	180.88
120-130	244.36
130-140	277.74
140-150	276.16
150-160	233.47
160-170	152.05
170-180	50.74

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : SDI5-8-L27-835-DMA-10U-90D-(L20)-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	117	117	117	117	113	113	113	113	106	106	106	99	99	99	93	93	93	90
1	107	102	98	94	103	99	95	92	93	90	87	88	85	83	83	81	79	76
2	97	89	83	77	94	87	81	75	82	77	72	77	73	69	73	69	66	64
3	89	79	71	64	86	76	69	63	72	66	61	68	63	59	64	60	56	54
4	81	70	61	55	78	68	60	54	64	57	52	61	55	50	57	53	49	46
5	75	62	53	47	72	61	52	46	57	50	45	54	48	44	52	46	42	40
6	69	56	47	41	67	55	46	41	52	45	39	49	43	38	47	42	37	35
7	64	51	42	36	62	50	42	36	47	40	35	45	39	34	43	37	33	31
8	60	46	38	32	58	45	37	32	43	36	31	41	35	30	39	34	30	28
9	56	43	35	29	54	42	34	29	40	33	28	38	32	27	36	31	27	25
10	52	39	32	26	50	38	31	26	37	30	26	35	29	25	34	28	24	23

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : SDI5-8-L27-835-DMA-10U-90D-(L20)-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	19.5	20.9	20.0	21.4	21.9	20.1	21.5	20.6	22.0	22.6
	3H	20.9	22.2	21.5	22.7	23.3	21.8	23.1	22.4	23.6	24.2
	4H	21.4	22.6	21.9	23.1	23.7	22.4	23.6	23.0	24.1	24.7
	6H	21.6	22.7	22.2	23.3	23.9	22.8	23.9	23.4	24.5	25.1
	8H	21.7	22.7	22.2	23.3	23.9	22.9	24.0	23.5	24.5	25.2
	12H	21.7	22.7	22.3	23.2	23.9	23.0	24.0	23.5	24.5	25.2

### UGR Viewed Endwise

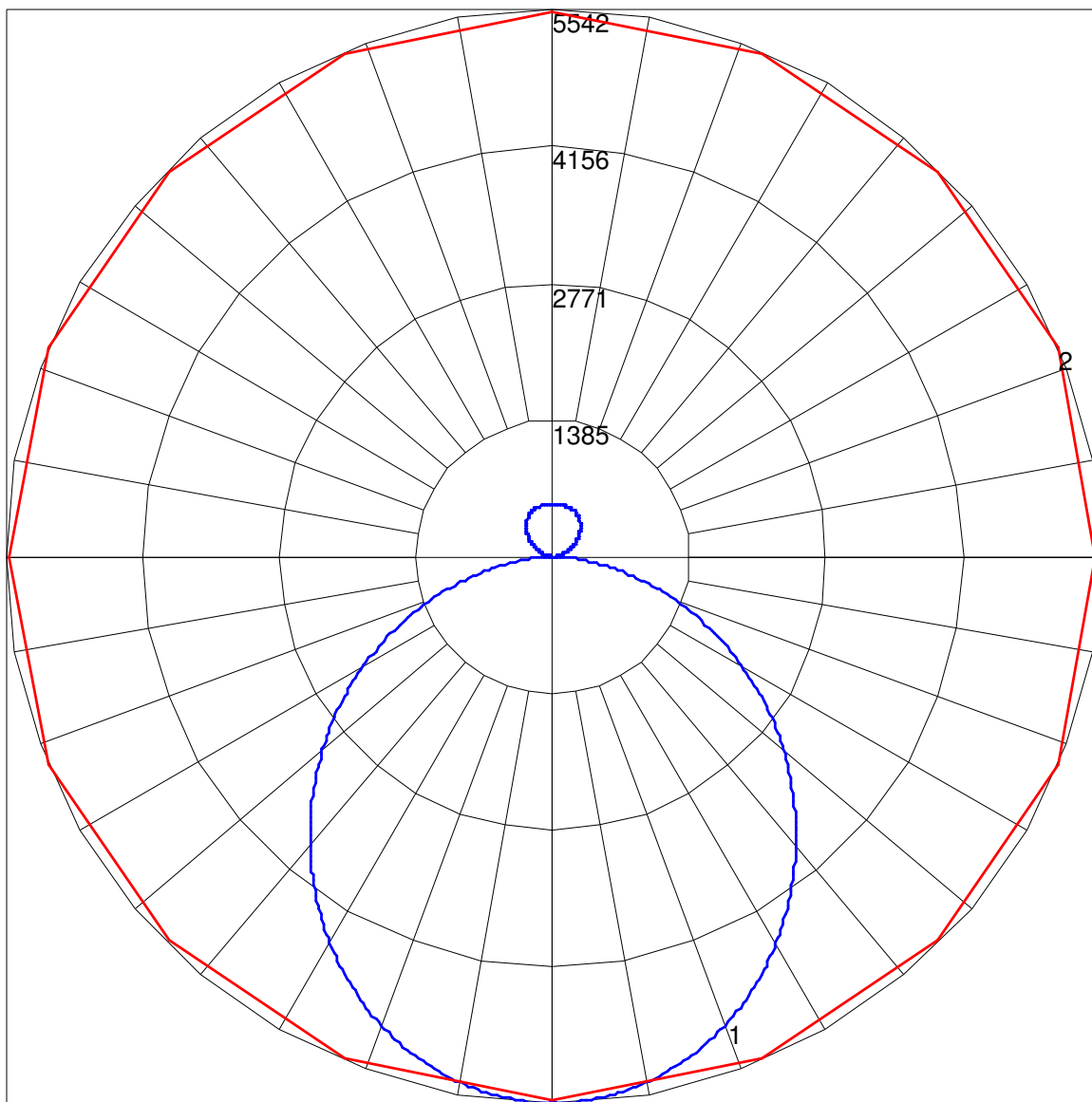
4H	2H	20.0	21.2	20.6	21.8	22.4	20.6	21.7	21.1	22.3	22.9
	3H	21.7	22.7	22.3	23.3	23.9	22.4	23.4	23.0	24.0	24.6
	4H	22.2	23.1	22.8	23.7	24.4	23.1	24.0	23.7	24.6	25.3
	6H	22.6	23.4	23.2	24.0	24.6	23.6	24.4	24.2	25.0	25.7
	8H	22.6	23.4	23.3	24.0	24.7	23.8	24.5	24.4	25.1	25.8
	12H	22.7	23.3	23.3	24.0	24.6	23.8	24.5	24.5	25.1	25.8

8H	4H	22.5	23.2	23.1	23.8	24.5	23.3	24.0	23.9	24.6	25.3
	6H	22.9	23.5	23.5	24.1	24.8	23.8	24.4	24.5	25.1	25.8
	8H	23.0	23.5	23.6	24.2	24.9	24.0	24.5	24.6	25.2	25.9
	12H	23.0	23.5	23.7	24.1	24.9	24.1	24.6	24.8	25.2	26.0

12H	4H	22.5	23.1	23.1	23.8	24.5	23.3	23.9	23.9	24.6	25.3
	6H	22.9	23.4	23.6	24.1	24.8	23.8	24.4	24.5	25.0	25.8
	8H	23.0	23.5	23.7	24.1	24.9	24.0	24.5	24.7	25.2	25.9

Maximum UGR = 26.0

POLAR GRAPH



Maximum Candela = 5541.918 Located At Horizontal Angle = 22.5, Vertical Angle = .5  
# 1 - Vertical Plane Through Horizontal Angles (22.5 - 202.5) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)