



IES INDOOR REPORT

PHOTOMETRIC FILENAME : SDI5-4-L27-8TW-DMA-10U-90D-DIM-UNV_4000K.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM 12731921.06
[TESTLAB] UL Verification Services Inc.
[ISSUEDATE] 4/2/2019
[MANUFAC] WILLIAMS INDOOR
[OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.
[LUMCAT] SDI5-4-L27-8TW-DMA-10U-90D-DIM-UNV-4000k
[LUMINAIRE] White steel housing, clear/textured and frosted lens enclo
[MORE] sures
[LAMP] LED
[LAMPCAT] HLM 80 CRI TUNABLE WHITE CCT
[BALLAST] Everline D21CC80UNVPW-C
[OTHER] 24.9 C, 120 V, 82 W, 0.99 PF, 60 Hz
[OTHER] This test was performed using the calibrated photodetector met
[MORE] hod of absolute photometry.
[_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	9261
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	113
Total Luminaire Watts	82
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)	3.77 ft
Luminous Width (90-270)	0.40 ft
Luminous Height	0.15 ft

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SDI5-4-L27-8TW-DMA-10U-90D-DIM-UNV_4000K.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	19338	15326	14253
55	17978	13158	11920
65	16049	10492	9246
75	12835	6915	5864
85	6310	2167	1732

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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	3156.729	3156.729	3156.729	3156.729	3156.729
0.5	3151.748	3170.675	3146.768	3152.744	3158.721
1.0	3150.752	3169.679	3146.768	3151.748	3158.721
1.5	3149.756	3169.679	3145.772	3151.748	3157.725
2.0	3148.760	3168.682	3144.775	3149.756	3156.729
2.5	3147.764	3166.690	3142.783	3148.760	3154.737
3.0	3144.775	3164.698	3140.791	3147.764	3152.744
3.5	3143.779	3161.710	3137.803	3145.772	3149.756
4.0	3141.787	3158.721	3134.814	3143.779	3146.768
4.5	3138.799	3155.733	3131.826	3139.795	3143.779
5.0	3135.810	3152.744	3128.837	3135.810	3139.795
5.5	3131.826	3148.760	3124.853	3131.826	3135.810
6.0	3127.841	3144.775	3120.868	3127.841	3132.822
6.5	3123.857	3140.791	3116.884	3122.861	3127.841
7.0	3118.876	3135.810	3111.903	3117.880	3123.857
7.5	3113.895	3130.830	3107.919	3112.899	3118.876
8.0	3107.919	3125.849	3101.942	3106.923	3112.899
8.5	3101.942	3119.872	3096.961	3100.946	3105.926
9.0	3094.969	3113.895	3090.985	3094.969	3098.954
9.5	3088.992	3107.919	3085.008	3088.992	3091.981
10.0	3083.015	3100.946	3078.035	3081.023	3085.008
10.5	3077.039	3093.973	3071.062	3074.050	3077.039
11.0	3070.066	3087.000	3063.093	3066.081	3068.074
11.5	3061.101	3080.027	3055.124	3058.112	3060.105
12.0	3052.136	3072.058	3047.155	3049.147	3052.136
12.5	3044.167	3063.093	3039.186	3040.182	3044.167
13.0	3036.197	3055.124	3030.221	3032.213	3035.201
13.5	3027.232	3045.163	3021.256	3022.252	3024.244
14.0	3018.267	3036.197	3011.294	3013.287	3015.279
14.5	3009.302	3026.236	3001.333	3003.325	3006.314
15.0	2999.341	3016.275	2991.372	2993.364	2994.360
15.5	2989.379	3007.310	2980.414	2982.407	2983.403
16.0	2978.422	2997.349	2970.453	2971.449	2972.445
16.5	2967.465	2986.391	2958.500	2959.496	2961.488
17.0	2956.507	2974.438	2946.546	2948.538	2950.530
17.5	2944.554	2962.484	2934.592	2936.585	2938.577
18.0	2933.596	2951.527	2923.635	2924.631	2926.623
18.5	2921.643	2938.577	2910.685	2911.682	2912.678
19.0	2908.693	2926.623	2898.732	2898.732	2899.728
19.5	2895.743	2913.674	2886.778	2886.778	2886.778
20.0	2882.794	2900.724	2873.829	2871.836	2873.829
20.5	2869.844	2887.774	2859.883	2857.891	2859.883
21.0	2857.891	2874.825	2845.937	2843.945	2845.937
21.5	2844.941	2860.879	2832.987	2829.999	2831.991
22.0	2830.995	2846.933	2819.042	2815.057	2817.049
22.5	2816.053	2832.987	2805.096	2801.111	2801.111
23.0	2802.107	2818.046	2790.154	2786.169	2786.169
23.5	2788.162	2803.104	2775.212	2771.227	2769.235
24.0	2773.220	2788.162	2759.274	2756.286	2753.297
24.5	2759.274	2773.220	2744.332	2740.348	2736.363
25.0	2744.332	2757.282	2728.394	2724.409	2720.425
25.5	2728.394	2742.340	2713.452	2708.471	2703.491
26.0	2712.456	2726.402	2697.514	2691.537	2687.553
26.5	2697.514	2710.464	2681.576	2674.603	2670.619

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SDI5-4-L27-8TW-DMA-10U-90D-DIM-UNV_4000K.IES****CANDELA TABULATION - (Cont.)**

27.0	2680.580	2693.530	2663.646	2657.669	2653.684
27.5	2663.646	2676.595	2646.712	2640.735	2636.750
28.0	2646.712	2659.661	2629.777	2622.804	2619.816
28.5	2629.777	2641.731	2611.847	2604.874	2601.886
29.0	2611.847	2624.797	2593.917	2586.944	2583.955
29.5	2594.913	2606.866	2576.983	2569.014	2566.025
30.0	2576.983	2589.932	2559.052	2550.087	2547.099
30.5	2558.056	2572.002	2540.126	2532.157	2528.172
31.0	2540.126	2554.072	2522.196	2513.230	2509.246
31.5	2522.196	2535.145	2503.269	2495.300	2490.319
32.0	2503.269	2516.219	2484.343	2475.378	2471.393
32.5	2485.339	2497.292	2465.416	2456.451	2451.470
33.0	2466.412	2478.366	2445.494	2436.529	2432.544
33.5	2447.486	2459.439	2425.571	2416.606	2412.621
34.0	2427.563	2439.517	2406.645	2396.683	2392.699
34.5	2409.633	2419.594	2386.722	2376.761	2370.784
35.0	2389.711	2399.672	2366.800	2356.838	2349.865
35.5	2370.784	2379.749	2346.877	2335.920	2327.951
36.0	2351.858	2359.827	2326.955	2315.001	2307.032
36.5	2331.935	2339.904	2307.032	2295.078	2286.113
37.0	2312.013	2319.982	2286.113	2273.164	2264.198
37.5	2291.094	2299.063	2266.191	2252.245	2242.284
38.0	2270.175	2278.144	2244.276	2230.330	2220.369
38.5	2250.253	2257.226	2223.357	2207.419	2198.454
39.0	2229.334	2236.307	2201.442	2186.500	2176.539
39.5	2208.415	2215.388	2180.524	2163.590	2154.624
40.0	2187.497	2194.470	2158.609	2141.675	2132.710
40.5	2166.578	2173.551	2136.694	2119.760	2110.795
41.0	2144.663	2151.636	2115.775	2097.845	2088.880
41.5	2122.748	2128.725	2093.861	2075.930	2067.961
42.0	2101.830	2107.806	2070.950	2054.015	2046.046
42.5	2080.911	2084.895	2049.035	2032.101	2025.128
43.0	2058.996	2062.981	2027.120	2011.182	2002.217
43.5	2037.081	2041.066	2005.205	1988.271	1980.302
44.0	2015.167	2018.155	1982.294	1966.356	1958.387
44.5	1994.248	1996.240	1960.379	1944.441	1936.472
45.0	1972.333	1973.329	1938.465	1922.527	1915.554
45.5	1950.418	1951.414	1916.550	1900.612	1892.643
46.0	1928.503	1927.507	1893.639	1878.697	1870.728
46.5	1905.592	1904.596	1871.724	1855.786	1847.817
47.0	1883.678	1882.682	1848.813	1833.871	1824.906
47.5	1860.767	1859.771	1826.898	1810.960	1800.999
48.0	1837.856	1836.860	1803.987	1788.049	1778.088
48.5	1814.945	1814.945	1781.076	1765.138	1755.177
49.0	1792.034	1791.038	1758.166	1742.227	1732.266
49.5	1769.123	1768.127	1735.255	1719.317	1709.355
50.0	1746.212	1745.216	1712.344	1696.406	1685.448
50.5	1722.305	1722.305	1690.429	1672.499	1661.541
51.0	1699.394	1699.394	1666.522	1648.591	1638.630
51.5	1675.487	1676.483	1643.611	1625.681	1614.723
52.0	1652.576	1652.576	1620.700	1601.773	1590.816
52.5	1628.669	1629.665	1596.793	1578.863	1566.909
53.0	1605.758	1605.758	1573.882	1554.955	1543.998
53.5	1581.851	1581.851	1549.975	1531.048	1520.091
54.0	1557.944	1558.940	1526.068	1508.137	1497.180
54.5	1535.033	1535.033	1503.157	1484.230	1473.273

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SDI5-4-L27-8TW-DMA-10U-90D-DIM-UNV_4000K.IES****CANDELA TABULATION - (Cont.)**

55.0	1511.126	1511.126	1479.250	1460.323	1449.366
55.5	1487.219	1487.219	1455.343	1436.416	1425.459
56.0	1463.312	1462.316	1431.436	1412.509	1402.548
56.5	1439.405	1438.409	1407.529	1389.598	1378.641
57.0	1415.498	1413.505	1382.625	1365.691	1355.730
57.5	1390.594	1389.598	1358.718	1341.784	1330.827
58.0	1366.687	1364.695	1334.811	1317.877	1306.920
58.5	1342.780	1339.792	1309.908	1293.970	1283.013
59.0	1317.877	1314.889	1286.001	1270.063	1260.102
59.5	1292.974	1289.985	1262.094	1246.156	1236.195
60.0	1268.071	1265.082	1238.187	1222.249	1212.288
60.5	1243.167	1241.175	1213.284	1198.342	1187.384
61.0	1218.264	1216.272	1189.377	1173.439	1163.477
61.5	1193.361	1191.369	1165.470	1149.531	1139.570
62.0	1169.454	1166.466	1141.562	1125.624	1115.663
62.5	1144.551	1141.562	1116.659	1101.717	1091.756
63.0	1119.648	1116.659	1092.752	1077.810	1067.849
63.5	1093.748	1092.752	1068.845	1053.903	1043.942
64.0	1068.845	1067.849	1044.938	1029.996	1020.035
64.5	1043.942	1042.946	1020.035	1005.093	995.829
65.0	1020.035	1017.046	996.128	981.584	971.623
65.5	994.932	992.741	971.822	957.876	948.214
66.0	970.428	968.037	947.517	933.671	924.108
66.5	945.226	943.134	923.112	910.162	900.500
67.0	920.721	918.529	898.906	885.956	876.792
67.5	896.316	893.427	874.501	861.850	852.885
68.0	870.815	868.623	850.195	837.943	829.476
68.5	846.310	843.521	825.591	814.434	807.561
69.0	821.507	818.618	802.281	791.922	783.753
69.5	797.400	794.711	778.773	767.915	759.547
70.0	773.892	770.604	754.368	743.908	735.640
70.5	748.690	746.000	729.863	719.802	712.231
71.0	724.982	722.292	706.653	697.389	689.520
71.5	700.577	697.887	683.144	673.681	665.613
72.0	675.972	672.884	659.138	649.675	641.805
72.5	651.368	648.081	634.932	625.767	617.898
73.0	626.564	623.476	611.025	602.159	594.190
73.5	601.960	598.972	587.018	578.352	570.482
74.0	577.057	574.666	563.011	554.544	547.073
74.5	552.452	550.261	539.304	531.135	523.764
75.0	527.948	525.955	515.695	507.926	500.753
75.5	504.240	502.048	492.286	484.815	478.042
76.0	480.632	478.341	469.077	461.805	455.230
76.5	457.023	454.832	446.066	438.994	432.618
77.0	433.415	431.622	423.255	416.381	410.305
77.5	409.807	408.612	400.543	394.068	388.191
78.0	386.896	385.900	378.230	372.153	366.575
78.5	364.284	363.288	356.215	350.537	345.158
79.0	342.170	341.074	334.500	329.320	324.240
79.5	320.454	319.259	313.083	308.302	303.421
80.0	298.838	297.643	292.164	287.781	283.000
80.5	277.521	276.525	271.644	267.460	263.177
81.0	256.603	255.806	251.622	247.936	243.653
81.5	236.182	235.485	232.197	228.811	224.826
82.0	216.359	215.861	213.171	210.183	206.398
82.5	197.134	196.835	194.743	192.153	188.467

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SDI5-4-L27-8TW-DMA-10U-90D-DIM-UNV_4000K.IES****CANDELA TABULATION - (Cont.)**

83.0	178.307	178.406	176.912	174.621	171.135
83.5	160.177	160.476	159.679	157.787	154.499
84.0	142.845	143.442	143.243	141.749	138.761
84.5	126.209	127.106	127.504	126.209	123.619
85.0	110.172	111.566	112.562	111.666	109.275
85.5	94.931	96.923	98.417	97.820	95.628
86.0	80.487	82.778	84.870	84.770	82.878
86.5	66.741	69.530	72.120	72.418	70.625
87.0	53.891	56.979	60.166	60.863	59.369
87.5	41.937	45.125	48.711	49.806	48.412
88.0	30.880	34.167	37.654	39.048	37.454
88.5	20.520	23.807	26.895	27.892	25.999
89.0	11.057	14.245	16.934	18.727	18.030
89.5	4.084	7.172	10.459	11.954	11.356
90.0	1.195	2.291	3.686	4.084	3.486
90.5	4.383	6.375	5.678	4.283	2.291
91.0	4.682	6.176	5.578	4.084	2.391
91.5	5.180	6.674	5.977	4.483	2.690
92.0	5.678	7.371	6.475	4.881	3.188
92.5	6.276	8.069	7.172	5.578	3.785
93.0	7.073	8.766	8.069	6.475	4.682
93.5	8.069	9.662	9.065	7.471	5.778
94.0	8.965	10.659	10.161	8.567	6.973
94.5	10.061	11.754	11.256	9.862	8.268
95.0	11.356	13.049	12.551	11.157	9.662
95.5	12.950	14.543	14.045	12.551	11.157
96.0	14.643	16.137	15.440	14.045	12.651
96.5	16.336	17.831	17.034	15.639	14.145
97.0	18.229	19.624	18.628	17.233	15.838
97.5	20.221	21.417	20.321	19.026	17.631
98.0	22.313	23.409	22.114	20.819	19.424
98.5	24.405	25.401	24.007	22.612	21.317
99.0	26.597	27.394	25.899	24.505	23.210
99.5	28.888	29.485	27.892	26.497	25.202
100.0	31.179	31.677	29.884	28.489	27.194
100.5	33.669	33.968	32.075	30.482	29.286
101.0	36.060	36.159	34.167	32.573	31.378
101.5	38.550	38.550	36.359	34.765	33.470
102.0	41.140	40.941	38.650	36.857	35.661
102.5	43.630	43.332	40.941	39.048	37.853
103.0	46.220	45.822	43.232	41.339	40.144
103.5	48.910	48.312	45.623	43.531	42.335
104.0	51.500	50.902	47.914	45.921	44.627
104.5	54.289	53.492	50.304	48.213	46.918
105.0	56.979	56.082	52.795	50.504	49.209
105.5	59.768	58.672	55.185	52.894	51.599
106.0	62.557	61.361	57.676	55.185	53.891
106.5	65.346	64.051	60.166	57.576	56.281
107.0	68.135	66.741	62.656	59.967	58.672
107.5	70.924	69.430	65.047	62.358	61.063
108.0	73.813	72.219	67.537	64.748	63.553
108.5	76.602	74.909	70.028	67.239	65.944
109.0	79.491	77.698	72.518	69.629	68.334
109.5	82.280	80.487	75.008	72.020	70.725
110.0	85.169	83.376	77.499	74.510	73.215
110.5	87.958	86.165	79.989	76.901	75.706

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SDI5-4-L27-8TW-DMA-10U-90D-DIM-UNV_4000K.IES****CANDELA TABULATION - (Cont.)**

111.0	90.747	88.954	82.479	79.391	78.096
111.5	93.536	91.743	85.069	81.882	80.587
112.0	96.425	94.533	87.560	84.272	82.977
112.5	99.214	97.421	90.050	86.763	85.468
113.0	102.003	100.210	92.640	89.253	87.958
113.5	104.892	103.000	95.130	91.644	90.349
114.0	107.681	105.789	97.621	94.134	92.739
114.5	110.471	108.578	100.111	96.525	95.230
115.0	113.359	111.367	102.701	98.915	97.621
115.5	116.049	114.156	105.191	101.306	100.111
116.0	118.938	116.945	107.781	103.797	102.601
116.5	121.727	119.735	110.371	106.088	104.892
117.0	124.516	122.623	112.961	108.578	107.283
117.5	127.305	125.412	115.451	111.068	109.574
118.0	130.094	128.202	117.942	113.459	111.865
118.5	132.883	130.991	120.531	116.049	114.256
119.0	135.673	133.880	123.022	118.440	116.647
119.5	138.362	136.669	125.612	120.830	119.137
120.0	141.151	139.458	128.202	123.321	121.528
120.5	143.841	142.247	130.692	125.811	124.018
121.0	146.630	145.136	133.282	128.301	126.508
121.5	149.320	147.925	135.872	130.792	128.899
122.0	152.009	150.814	138.462	133.282	131.290
122.5	154.599	153.603	140.952	135.872	133.880
123.0	157.289	156.492	143.542	138.263	136.370
123.5	159.879	159.281	146.132	140.653	138.960
124.0	162.369	161.970	148.722	143.044	141.450
124.5	164.859	164.760	151.312	145.335	144.040
125.0	167.449	167.449	153.902	147.726	146.530
125.5	169.939	170.139	156.492	150.116	148.921
126.0	172.529	172.828	158.982	152.607	151.212
126.5	175.119	175.617	161.572	154.898	153.603
127.0	177.510	178.307	164.162	157.189	155.794
127.5	180.000	180.996	166.752	159.580	158.085
128.0	182.391	183.686	169.342	161.871	160.377
128.5	184.782	186.376	171.932	164.261	162.767
129.0	187.172	189.065	174.522	166.652	165.058
129.5	189.464	191.755	177.012	168.943	167.250
130.0	191.854	194.444	179.602	171.334	169.641
130.5	194.145	197.134	182.092	173.725	171.932
131.0	196.337	199.724	184.582	176.115	174.223
131.5	198.628	202.413	187.172	178.506	176.514
132.0	200.919	204.903	189.663	180.797	178.805
132.5	203.110	207.593	192.253	183.188	181.196
133.0	205.202	210.083	194.743	185.678	183.586
133.5	207.195	212.673	197.333	187.969	186.077
134.0	209.386	215.164	199.923	190.460	188.368
134.5	211.478	217.754	202.513	192.850	190.758
135.0	213.570	220.244	205.103	195.241	193.050
135.5	215.562	222.734	207.693	197.731	195.440
136.0	217.554	225.125	210.382	200.222	197.731
136.5	219.447	227.516	212.972	202.513	200.122
137.0	221.340	229.906	215.562	205.003	202.413
137.5	223.232	232.297	218.351	207.493	204.804
138.0	225.125	234.588	221.041	209.984	207.195
138.5	226.918	236.780	223.631	212.474	209.685

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SDI5-4-L27-8TW-DMA-10U-90D-DIM-UNV_4000K.IES****CANDELA TABULATION - (Cont.)**

139.0	228.811	238.971	226.320	214.964	212.076
139.5	230.703	241.063	228.910	217.455	214.466
140.0	232.496	243.254	231.600	219.945	216.957
140.5	234.389	245.346	234.289	222.535	219.347
141.0	236.182	247.339	236.879	225.125	221.638
141.5	237.975	249.430	239.469	227.715	224.129
142.0	239.569	251.423	242.059	230.305	226.619
142.5	241.262	253.415	244.649	232.895	229.109
143.0	242.956	255.308	247.239	235.485	231.600
143.5	244.549	257.101	249.729	238.174	234.190
144.0	246.143	258.993	252.220	240.664	236.780
144.5	247.737	260.786	254.710	243.354	239.469
145.0	249.231	262.480	257.101	245.944	242.059
145.5	250.725	264.173	259.392	248.633	244.649
146.0	252.120	265.767	261.782	251.323	247.339
146.5	253.515	267.361	263.974	253.813	249.928
147.0	254.909	269.054	266.265	256.503	252.518
147.5	256.403	270.748	268.456	258.993	255.208
148.0	257.798	272.441	270.548	261.583	257.798
148.5	259.192	274.035	272.640	264.073	260.388
149.0	260.487	275.529	274.632	266.564	262.878
149.5	261.683	277.023	276.724	268.955	265.368
150.0	262.978	278.218	278.717	271.246	267.859
150.5	264.273	279.613	280.808	273.636	270.349
151.0	265.568	280.808	282.801	275.927	272.640
151.5	266.763	282.004	284.693	278.119	274.931
152.0	267.859	283.299	286.486	280.310	277.222
152.5	268.955	284.693	288.379	282.402	279.314
153.0	270.150	286.088	290.172	284.394	281.406
153.5	271.246	287.283	291.965	286.486	283.398
154.0	272.341	288.479	293.658	288.479	285.490
154.5	273.337	289.674	295.352	290.471	287.383
155.0	274.334	290.670	296.746	292.264	289.276
155.5	275.230	291.467	298.141	294.057	291.069
156.0	276.326	292.364	299.536	295.850	292.961
156.5	277.222	293.260	300.831	297.543	294.655
157.0	278.218	294.057	302.126	299.336	296.448
157.5	279.115	294.953	303.321	301.030	298.141
158.0	279.912	295.551	304.417	302.723	299.735
158.5	280.808	296.149	305.413	304.317	301.229
159.0	281.605	296.746	306.309	305.911	302.823
159.5	282.303	297.245	307.106	307.405	304.417
160.0	283.100	297.842	307.803	308.800	305.911
160.5	283.797	298.340	308.600	309.995	307.405
161.0	284.394	298.739	309.198	311.290	308.800
161.5	285.092	299.237	309.796	312.485	310.095
162.0	285.689	299.635	310.194	313.581	311.390
162.5	286.287	299.934	310.393	314.677	312.585
163.0	286.885	300.233	310.593	315.573	313.780
163.5	287.482	300.532	310.692	316.271	314.876
164.0	287.981	300.631	310.891	316.868	315.972
164.5	288.578	300.831	310.991	317.466	316.868
165.0	289.076	300.930	311.091	317.964	317.366
165.5	289.475	301.030	311.190	318.362	317.864
166.0	289.973	301.030	311.190	318.562	318.362
166.5	290.371	301.030	310.891	318.462	318.960

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SDI5-4-L27-8TW-DMA-10U-90D-DIM-UNV_4000K.IES****CANDELA TABULATION - (Cont.)**

167.0	290.770	301.030	310.692	318.263	319.359
167.5	291.168	301.030	310.493	318.163	319.359
168.0	291.567	300.930	310.194	318.163	319.159
168.5	291.965	300.731	309.796	317.964	319.259
169.0	292.164	300.532	309.597	317.665	319.458
169.5	292.563	300.333	309.198	317.067	319.359
170.0	292.862	300.034	308.700	316.470	319.159
170.5	293.160	299.834	308.302	315.773	318.761
171.0	293.459	299.635	307.704	315.175	318.064
171.5	293.658	299.436	307.106	314.478	317.566
172.0	293.858	299.137	306.409	313.780	317.067
172.5	294.057	299.038	305.612	312.884	316.271
173.0	294.256	298.838	304.715	311.987	315.274
173.5	294.455	298.639	303.819	310.792	313.979
174.0	294.655	298.440	302.922	309.597	312.386
174.5	294.854	298.241	302.026	308.202	310.593
175.0	294.953	298.141	301.229	306.708	308.501
175.5	295.153	297.942	300.432	305.313	306.210
176.0	295.252	297.842	299.536	303.919	303.919
176.5	295.452	297.643	298.838	302.624	301.727
177.0	295.551	297.643	298.241	301.428	299.934
177.5	295.551	297.543	297.743	300.432	298.539
178.0	295.651	297.444	297.344	299.536	297.444
178.5	295.651	297.344	297.045	298.838	296.547
179.0	295.651	297.344	296.846	298.340	296.049
179.5	295.651	297.344	296.647	297.942	295.850
180.0	296.846	296.846	296.846	296.846	296.846

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SDI5-4-L27-8TW-DMA-10U-90D-DIM-UNV_4000K.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1143.53	N.A.	12.30
0-30	2403.33	N.A.	25.90
0-40	3887.21	N.A.	42.00
0-60	6711.87	N.A.	72.50
0-80	8246.21	N.A.	89.00
0-90	8380.46	N.A.	90.50
10-90	8082.51	N.A.	87.30
20-40	2743.67	N.A.	29.60
20-50	4243.52	N.A.	45.80
40-70	3812.03	N.A.	41.20
60-80	1534.34	N.A.	16.60
70-80	546.97	N.A.	5.90
80-90	134.24	N.A.	1.40
90-110	71.20	N.A.	0.80
90-120	174.69	N.A.	1.90
90-130	314.49	N.A.	3.40
90-150	631.39	N.A.	6.80
90-180	880.99	N.A.	9.50
110-180	809.79	N.A.	8.70
0-180	9261.45	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	297.94
10-20	845.59
20-30	1259.8
30-40	1483.88
40-50	1499.84
50-60	1324.82
60-70	987.36
70-80	546.97
80-90	134.24
90-100	14.83
100-110	56.37
110-120	103.49
120-130	139.80
130-140	158.90
140-150	158.00
150-160	133.58
160-170	86.99
170-180	29.03

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SDI5-4-L27-8TW-DMA-10U-90D-DIM-UNV_4000K.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

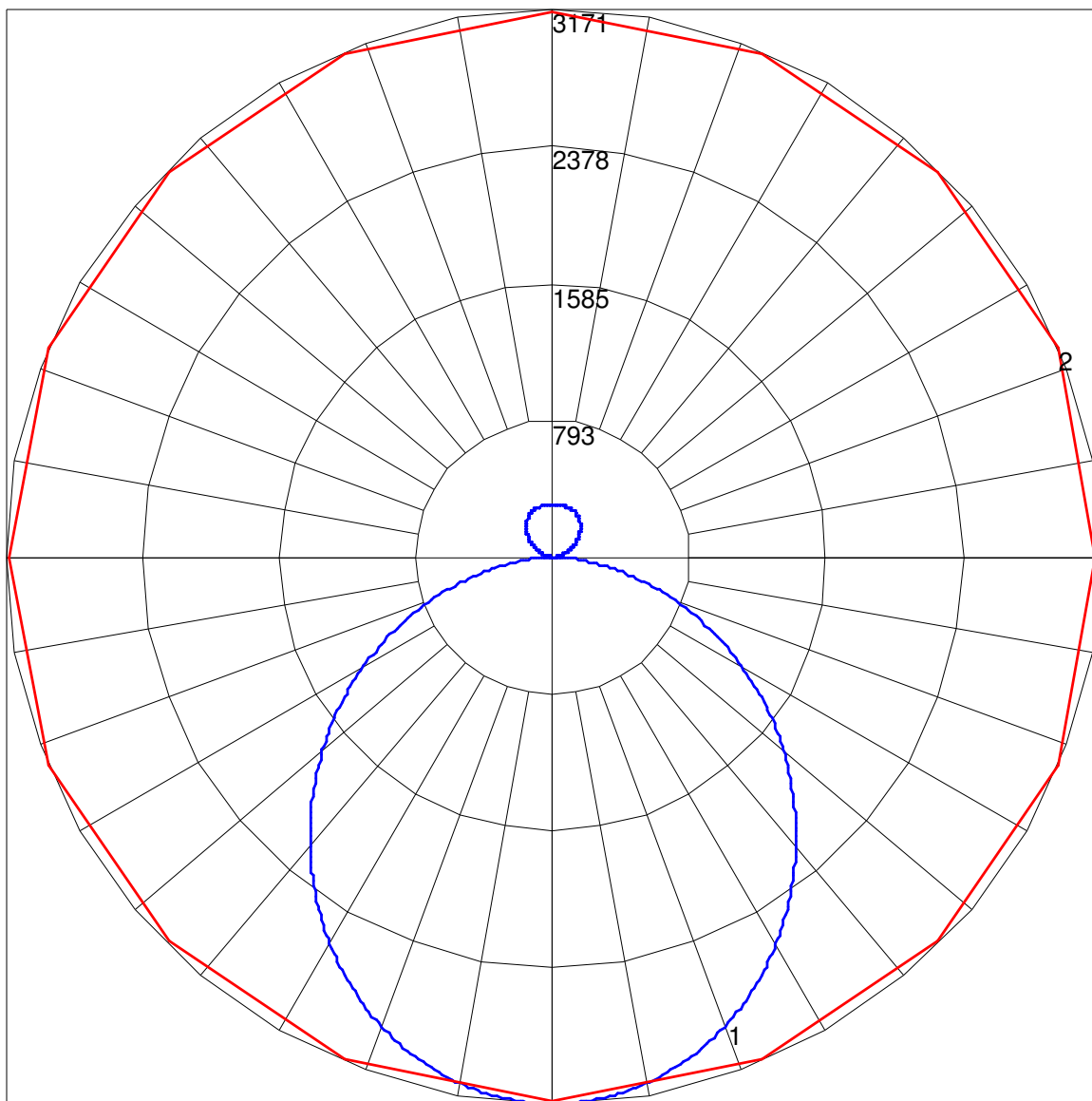
Effective Floor Cavity Reflectance 0.20

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	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 : SDI5-4-L27-8TW-DMA-10U-90D-DIM-UNV_4000K.IES

POLAR GRAPH



Maximum Candela = 3170.675 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.)