IES INDOOR REPORT
PHOTOMETRIC FILENAME : MHB-01-LED-15L-DPW-50-80CRI.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 3915
[TESTLAB] TUV SUD America
[TESTDATE] 7/20/2020 10:57:09 AM
[ISSUEDATE] 04/05/2022
[MANUFAC] LSI INDUSTRIES, INC.
[LUMCAT] MHB-01-LED-15L-DPW-50-80CRI
[OTHER] TEST PROCEDURE: IESNA LM-79-08
[_ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED
[OTHER] SCALED FROM ORIGINAL TEST DATA
[_SEARCH_SOURCETYPE] LED
[_SEARCH_APPLICATION] Indoor
[_SEARCH_COLORTEMP] 5000

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	14949
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	142
Total Luminaire Watts	105
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.20
Spacing Criterion (Diagonal)	1.32
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	1.14 ft
Luminous Width (90-270)	1.16 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	41540	39999	37929
55	40010	37359	33686
65	38369	34944	28767
75	37515	32630	22654
85	38908	29344	12410

Photometric Toolbox® Copyright 2002-2019 by Lighting Analysts, Inc.
Calculations based on published IES Methods and recommendations, values rounded for display purposes.
Results derived from content of manufacturers photometric file.

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MHB-01-LED-15L-DPW-50-80CRI.IES

CANDELA TABULATION

	0	10	20	30	40	50	60	70	80	90
0.0	5708	5708	5708	5708	5708	5708	5708	5708	5708	5708
2.5	5688	5689	5689	5689	5690	5690	5690	5690	5689	5688
5.0	5685	5681	5676	5668	5673	5677	5678	5677	5666	5663
7.5	5659	5658	5643	5643	5646	5645	5643	5641	5629	5624
10.0	5619	5608	5602	5600	5600	5598	5593	5588	5576	5569
12.5	5563	5541	5540	5540	5537	5533	5526	5519	5506	5497
15.0	5485	5462	5464	5462	5459	5452	5445	5433	5420	5410
17.5	5382	5367	5369	5368	5365	5357	5347	5335	5320	5307
20.0	5267	5256	5259	5259	5255	5246	5236	5221	5203	5187
22.5	5134	5131	5134	5133	5129	5119	5107	5091	5071	5055
25.0	4990	4991	4994	4991	4987	4977	4964	4947	4921	4905
27.5	4835	4841	4841	4837	4831	4820	4807	4786	4760	4743
30.0	4676	4682	4680	4673	4665	4651	4634	4614	4586	4565
32.5	4507	4516	4512	4500	4486	4470	4451	4430	4399	4377
35.0	4333	4344	4335	4321	4303	4281	4261	4234	4201	4178
37.5	4157	4170	4156	4134	4108	4082	4056	4028	3993	3969
40.0	3981	3993	3973	3945	3910	3877	3847	3813	3778	3750
42.5	3800	3813	3787	3752	3711	3666	3627	3593	3556	3530
45.0	3612	3626	3597	3556	3504	3452	3406	3367	3330	3298
47.5	3419	3436	3405	3358	3297	3239	3182	3136	3096	3069
50.0	3222	3244	3210	3157	3088	3022	2958	2909	2866	2835
52.5	3026	3046	3011	2954	2883	2809	2738	2683	2633	2605
55.0	2822	2844	2810	2752	2676	2594	2518	2453	2401	2376
57.5	2615	2640	2607	2549	2472	2384	2301	2229	2175	2146
60.0	2407	2436	2405	2345	2268	2175	2086	2009	1955	1920
62.5	2199	2228	2201	2145	2064	1972	1878	1797	1740	1706
65.0	1994	2024	1994	1941	1863	1769	1676	1590	1528	1495
67.5	1791	1823	1793	1738	1663	1573	1478	1389	1324	1291
70.0	1591	1625	1597	1540	1464	1378	1283	1191	1126	1094
72.5	1395	1429	1395	1342	1267	1185	1096	1007	933	899
75.0	1194	1234	1204	1149	1077	1000	916	830	754	721
77.5	970	1017	998	955	891	818	742	660	582	548
80.0	755	795	778	746	701	641	574	499	427	388
82.5	582	610	583	550	508	465	409	349	286	248
85.0	417	455	423	381	338	291	252	207	161	133
87.5	213	269	236	204	174	134	108	87	62	51
90.0	0	0	0	0	0	0	0	0	0	0
92.5	0	0	0	0	0	0	0	0	0	0
95.0	0	0	0	0	0	0	0	0	0	0
97.5	0	0	0	0	0	0	0	0	0	0
100.0	0	0	0	0	0	0	0	0	0	0
102.5	0	0	0	0	0	0	0	0	0	0
105.0	0	0	0	0	0	0	0	0	0	0
107.5	0	0	0	0	0	0	0	0	0	0
110.0	0	0	0	0	0	0	0	0	0	0
112.5	0	0	0	0	0	0	0	0	0	0
115.0	0	0	0	0	0	0	0	0	0	0
117.5	0	0	0	0	0	0	0	0	0	0
120.0	0	0	0	0	0	0	0	0	0	0
122.5	0	0	0	0	0	0	0	0	0	0
125.0	0	0	0	0	0	0	0	0	0	0
127.5	0	0	0	0	0	0	0	0	0	0
130.0	0	0	0	0	0	0	0	0	0	0
132.5	0	0	0	0	0	0	0	0	0	0

Photometric Toolbox® Copyright 2002-2019 by Lighting Analysts, Inc.
Calculations based on published IES Methods and recommendations, values rounded for display purposes.
Results derived from content of manufacturers photometric file.

CANDELA TABULATION - (Cont.)

135.0	0	0	0	0	0	0	0	0	0	0
137.5	0	0	0	0	0	0	0	0	0	0
140.0	0	0	0	0	0	0	0	0	0	0
142.5	0	0	0	0	0	0	0	0	0	0
145.0	0	0	0	0	0	0	0	0	0	0
147.5	0	0	0	0	0	0	0	0	0	0
150.0	0	0	0	0	0	0	0	0	0	0
152.5	0	0	0	0	0	0	0	0	0	0
155.0	0	0	0	0	0	0	0	0	0	0
157.5	0	0	0	0	0	0	0	0	0	0
160.0	0	0	0	0	0	0	0	0	0	0
162.5	0	0	0	0	0	0	0	0	0	0
165.0	0	0	0	0	0	0	0	0	0	0
167.5	0	0	0	0	0	0	0	0	0	0
170.0	0	0	0	0	0	0	0	0	0	0
172.5	0	0	0	0	0	0	0	0	0	0
175.0	0	0	0	0	0	0	0	0	0	0
177.5	0	0	0	0	0	0	0	0	0	0
180.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles	**Horizontal Angles**									
	100	**110**	**120**	**130**	**140**	**150**	**160**	**170**	**180**	**190**
0.0	5708	5708	5708	5708	5708	5708	5708	5708	5708	5708
2.5	5688	5688	5686	5686	5685	5685	5686	5689	5689	5689
5.0	5660	5660	5660	5656	5653	5653	5653	5653	5653	5653
7.5	5621	5619	5615	5612	5608	5606	5610	5607	5606	5607
10.0	5564	5560	5555	5550	5547	5543	5543	5546	5545	5546
12.5	5490	5486	5480	5474	5471	5464	5460	5467	5465	5467
15.0	5402	5396	5389	5382	5377	5369	5363	5373	5372	5373
17.5	5297	5291	5283	5275	5269	5261	5252	5261	5264	5261
20.0	5178	5172	5163	5152	5146	5138	5128	5138	5145	5138
22.5	5041	5036	5025	5016	5009	5000	4991	5002	5013	5002
25.0	4890	4886	4873	4865	4859	4852	4843	4856	4869	4856
27.5	4726	4720	4711	4700	4696	4692	4686	4700	4717	4700
30.0	4552	4546	4534	4526	4524	4525	4524	4538	4557	4538
32.5	4363	4355	4347	4343	4344	4349	4353	4370	4395	4370
35.0	4162	4156	4151	4151	4158	4169	4178	4200	4229	4200
37.5	3956	3948	3945	3951	3965	3984	4000	4027	4059	4027
40.0	3735	3734	3734	3744	3767	3796	3816	3847	3883	3847
42.5	3515	3514	3517	3536	3566	3600	3627	3661	3699	3661
45.0	3287	3287	3297	3324	3363	3404	3436	3469	3509	3469
47.5	3057	3061	3073	3111	3157	3202	3236	3271	3313	3271
50.0	2826	2832	2854	2898	2950	2999	3036	3069	3113	3069
52.5	2598	2605	2635	2687	2745	2794	2835	2866	2913	2866
55.0	2366	2380	2416	2474	2538	2590	2628	2661	2711	2661
57.5	2142	2159	2203	2266	2331	2385	2425	2455	2506	2455
60.0	1923	1945	1995	2058	2128	2184	2224	2250	2301	2250
62.5	1708	1734	1789	1857	1927	1984	2018	2045	2094	2045
65.0	1497	1530	1586	1656	1727	1779	1814	1845	1892	1845
67.5	1290	1329	1394	1463	1529	1580	1620	1647	1693	1647
70.0	1096	1139	1200	1271	1332	1386	1425	1450	1498	1450
72.5	906	955	1020	1082	1141	1191	1233	1258	1307	1258
75.0	729	781	843	900	955	1005	1042	1056	1108	1056
77.5	561	616	672	722	776	805	828	841	894	841
80.0	407	461	507	551	583	607	630	649	695	649

Photometric Toolbox® Copyright 2002-2019 by Lighting Analysts, Inc.
Calculations based on published IES Methods and recommendations, values rounded for display purposes.
Results derived from content of manufacturers photometric file.

CANDELA TABULATION - (Cont.)

82.5	270	313	349	378	405	438	470	489	534	489
85.0	152	178	196	214	242	268	292	312	374	312
87.5	60	64	67	73	83	90	94	113	170	113
90.0	0	0	0	0	0	0	0	0	0	0
92.5	0	0	0	0	0	0	0	0	0	0
95.0	0	0	0	0	0	0	0	0	0	0
97.5	0	0	0	0	0	0	0	0	0	0
100.0	0	0	0	0	0	0	0	0	0	0
102.5	0	0	0	0	0	0	0	0	0	0
105.0	0	0	0	0	0	0	0	0	0	0
107.5	0	0	0	0	0	0	0	0	0	0
110.0	0	0	0	0	0	0	0	0	0	0
112.5	0	0	0	0	0	0	0	0	0	0
115.0	0	0	0	0	0	0	0	0	0	0
117.5	0	0	0	0	0	0	0	0	0	0
120.0	0	0	0	0	0	0	0	0	0	0
122.5	0	0	0	0	0	0	0	0	0	0
125.0	0	0	0	0	0	0	0	0	0	0
127.5	0	0	0	0	0	0	0	0	0	0
130.0	0	0	0	0	0	0	0	0	0	0
132.5	0	0	0	0	0	0	0	0	0	0
135.0	0	0	0	0	0	0	0	0	0	0
137.5	0	0	0	0	0	0	0	0	0	0
140.0	0	0	0	0	0	0	0	0	0	0
142.5	0	0	0	0	0	0	0	0	0	0
145.0	0	0	0	0	0	0	0	0	0	0
147.5	0	0	0	0	0	0	0	0	0	0
150.0	0	0	0	0	0	0	0	0	0	0
152.5	0	0	0	0	0	0	0	0	0	0
155.0	0	0	0	0	0	0	0	0	0	0
157.5	0	0	0	0	0	0	0	0	0	0
160.0	0	0	0	0	0	0	0	0	0	0
162.5	0	0	0	0	0	0	0	0	0	0
165.0	0	0	0	0	0	0	0	0	0	0
167.5	0	0	0	0	0	0	0	0	0	0
170.0	0	0	0	0	0	0	0	0	0	0
172.5	0	0	0	0	0	0	0	0	0	0
175.0	0	0	0	0	0	0	0	0	0	0
177.5	0	0	0	0	0	0	0	0	0	0
180.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles	**Horizontal Angles**									
	200	**210**	**220**	**230**	**240**	**250**	**260**	**270**	**280**	**290**
0.0	5708	5708	5708	5708	5708	5708	5708	5708	5708	5708
2.5	5686	5685	5685	5686	5686	5688	5688	5688	5689	5690
5.0	5653	5653	5653	5656	5660	5660	5660	5663	5666	5677
7.5	5610	5606	5608	5612	5615	5619	5621	5624	5629	5641
10.0	5543	5543	5547	5550	5555	5560	5564	5569	5576	5588
12.5	5460	5464	5471	5474	5480	5486	5490	5497	5506	5519
15.0	5363	5369	5377	5382	5389	5396	5402	5410	5420	5433
17.5	5252	5261	5269	5275	5283	5291	5297	5307	5320	5335
20.0	5128	5138	5146	5152	5163	5172	5178	5187	5203	5221
22.5	4991	5000	5009	5016	5025	5036	5041	5055	5071	5091
25.0	4843	4852	4859	4865	4873	4886	4890	4905	4921	4947
27.5	4686	4692	4696	4700	4711	4720	4726	4743	4760	4786

Photometric Toolbox® Copyright 2002-2019 by Lighting Analysts, Inc.
Calculations based on published IES Methods and recommendations, values rounded for display purposes.
Results derived from content of manufacturers photometric file.

CANDELA TABULATION - (Cont.)

30.0	4524	4525	4524	4526	4534	4546	4552	4565	4586	4614
32.5	4353	4349	4344	4343	4347	4355	4363	4377	4399	4430
35.0	4178	4169	4158	4151	4151	4156	4162	4178	4201	4234
37.5	4000	3984	3965	3951	3945	3948	3956	3969	3993	4028
40.0	3816	3796	3767	3744	3734	3734	3735	3750	3778	3813
42.5	3627	3600	3566	3536	3517	3514	3515	3530	3556	3593
45.0	3436	3404	3363	3324	3297	3287	3287	3298	3330	3367
47.5	3236	3202	3157	3111	3073	3061	3057	3069	3096	3136
50.0	3036	2999	2950	2898	2854	2832	2826	2835	2866	2909
52.5	2835	2794	2745	2687	2635	2605	2598	2605	2633	2683
55.0	2628	2590	2538	2474	2416	2380	2366	2376	2401	2453
57.5	2425	2385	2331	2266	2203	2159	2142	2146	2175	2229
60.0	2224	2184	2128	2058	1995	1945	1923	1920	1955	2009
62.5	2018	1984	1927	1857	1789	1734	1708	1706	1740	1797
65.0	1814	1779	1727	1656	1586	1530	1497	1495	1528	1590
67.5	1620	1580	1529	1463	1394	1329	1290	1291	1324	1389
70.0	1425	1386	1332	1271	1200	1139	1096	1094	1126	1191
72.5	1233	1191	1141	1082	1020	955	906	899	933	1007
75.0	1042	1005	955	900	843	781	729	721	754	830
77.5	828	805	776	722	672	616	561	548	582	660
80.0	630	607	583	551	507	461	407	388	427	499
82.5	470	438	405	378	349	313	270	248	286	349
85.0	292	268	242	214	196	178	152	133	161	207
87.5	94	90	83	73	67	64	60	51	62	87
90.0	0	0	0	0	0	0	0	0	0	0
92.5	0	0	0	0	0	0	0	0	0	0
95.0	0	0	0	0	0	0	0	0	0	0
97.5	0	0	0	0	0	0	0	0	0	0
100.0	0	0	0	0	0	0	0	0	0	0
102.5	0	0	0	0	0	0	0	0	0	0
105.0	0	0	0	0	0	0	0	0	0	0
107.5	0	0	0	0	0	0	0	0	0	0
110.0	0	0	0	0	0	0	0	0	0	0
112.5	0	0	0	0	0	0	0	0	0	0
115.0	0	0	0	0	0	0	0	0	0	0
117.5	0	0	0	0	0	0	0	0	0	0
120.0	0	0	0	0	0	0	0	0	0	0
122.5	0	0	0	0	0	0	0	0	0	0
125.0	0	0	0	0	0	0	0	0	0	0
127.5	0	0	0	0	0	0	0	0	0	0
130.0	0	0	0	0	0	0	0	0	0	0
132.5	0	0	0	0	0	0	0	0	0	0
135.0	0	0	0	0	0	0	0	0	0	0
137.5	0	0	0	0	0	0	0	0	0	0
140.0	0	0	0	0	0	0	0	0	0	0
142.5	0	0	0	0	0	0	0	0	0	0
145.0	0	0	0	0	0	0	0	0	0	0
147.5	0	0	0	0	0	0	0	0	0	0
150.0	0	0	0	0	0	0	0	0	0	0
152.5	0	0	0	0	0	0	0	0	0	0
155.0	0	0	0	0	0	0	0	0	0	0
157.5	0	0	0	0	0	0	0	0	0	0
160.0	0	0	0	0	0	0	0	0	0	0
162.5	0	0	0	0	0	0	0	0	0	0
165.0	0	0	0	0	0	0	0	0	0	0
167.5	0	0	0	0	0	0	0	0	0	0

Photometric Toolbox® Copyright 2002-2019 by Lighting Analysts, Inc.
Calculations based on published IES Methods and recommendations, values rounded for display purposes.
Results derived from content of manufacturers photometric file.

CANDELA TABULATION - (Cont.)

170.0	0	0	0	0	0	0	0	0	0	0
172.5	0	0	0	0	0	0	0	0	0	0
175.0	0	0	0	0	0	0	0	0	0	0
177.5	0	0	0	0	0	0	0	0	0	0
180.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles	**Horizontal Angles**						
	300	**310**	**320**	**330**	**340**	**350**	**360**
0.0	5708	5708	5708	5708	5708	5708	5708
2.5	5690	5690	5690	5689	5689	5689	5688
5.0	5678	5677	5673	5668	5676	5681	5685
7.5	5643	5645	5646	5643	5643	5658	5659
10.0	5593	5598	5600	5600	5602	5608	5619
12.5	5526	5533	5537	5540	5540	5541	5563
15.0	5445	5452	5459	5462	5464	5462	5485
17.5	5347	5357	5365	5368	5369	5367	5382
20.0	5236	5246	5255	5259	5259	5256	5267
22.5	5107	5119	5129	5133	5134	5131	5134
25.0	4964	4977	4987	4991	4994	4991	4990
27.5	4807	4820	4831	4837	4841	4841	4835
30.0	4634	4651	4665	4673	4680	4682	4676
32.5	4451	4470	4486	4500	4512	4516	4507
35.0	4261	4281	4303	4321	4335	4344	4333
37.5	4056	4082	4108	4134	4156	4170	4157
40.0	3847	3877	3910	3945	3973	3993	3981
42.5	3627	3666	3711	3752	3787	3813	3800
45.0	3406	3452	3504	3556	3597	3626	3612
47.5	3182	3239	3297	3358	3405	3436	3419
50.0	2958	3022	3088	3157	3210	3244	3222
52.5	2738	2809	2883	2954	3011	3046	3026
55.0	2518	2594	2676	2752	2810	2844	2822
57.5	2301	2384	2472	2549	2607	2640	2615
60.0	2086	2175	2268	2345	2405	2436	2407
62.5	1878	1972	2064	2145	2201	2228	2199
65.0	1676	1769	1863	1941	1994	2024	1994
67.5	1478	1573	1663	1738	1793	1823	1791
70.0	1283	1378	1464	1540	1597	1625	1591
72.5	1096	1185	1267	1342	1395	1429	1395
75.0	916	1000	1077	1149	1204	1234	1194
77.5	742	818	891	955	998	1017	970
80.0	574	641	701	746	778	795	755
82.5	409	465	508	550	583	610	582
85.0	252	291	338	381	423	455	417
87.5	108	134	174	204	236	269	213
90.0	0	0	0	0	0	0	0
92.5	0	0	0	0	0	0	0
95.0	0	0	0	0	0	0	0
97.5	0	0	0	0	0	0	0
100.0	0	0	0	0	0	0	0
102.5	0	0	0	0	0	0	0
105.0	0	0	0	0	0	0	0
107.5	0	0	0	0	0	0	0
110.0	0	0	0	0	0	0	0
112.5	0	0	0	0	0	0	0
115.0	0	0	0	0	0	0	0

Photometric Toolbox® Copyright 2002-2019 by Lighting Analysts, Inc.
Calculations based on published IES Methods and recommendations, values rounded for display purposes.
Results derived from content of manufacturers photometric file.

CANDELA TABULATION - (Cont.)

117.5	0	0	0	0	0	0	0
120.0	0	0	0	0	0	0	0
122.5	0	0	0	0	0	0	0
125.0	0	0	0	0	0	0	0
127.5	0	0	0	0	0	0	0
130.0	0	0	0	0	0	0	0
132.5	0	0	0	0	0	0	0
135.0	0	0	0	0	0	0	0
137.5	0	0	0	0	0	0	0
140.0	0	0	0	0	0	0	0
142.5	0	0	0	0	0	0	0
145.0	0	0	0	0	0	0	0
147.5	0	0	0	0	0	0	0
150.0	0	0	0	0	0	0	0
152.5	0	0	0	0	0	0	0
155.0	0	0	0	0	0	0	0
157.5	0	0	0	0	0	0	0
160.0	0	0	0	0	0	0	0
162.5	0	0	0	0	0	0	0
165.0	0	0	0	0	0	0	0
167.5	0	0	0	0	0	0	0
170.0	0	0	0	0	0	0	0
172.5	0	0	0	0	0	0	0
175.0	0	0	0	0	0	0	0
177.5	0	0	0	0	0	0	0
180.0	0	0	0	0	0	0	0

Photometric Toolbox® Copyright 2002-2019 by Lighting Analysts, Inc.
Calculations based on published IES Methods and recommendations, values rounded for display purposes.
Results derived from content of manufacturers photometric file.

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MHB-01-LED-15L-DPW-50-80CRI.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	2064.44	N.A.	13.80
0-30	4328.48	N.A.	29.00
0-40	6970.48	N.A.	46.60
0-60	11907.3	N.A.	79.70
0-80	14646.03	N.A.	98.00
0-90	14949.28	N.A.	100.00
10-90	14411.34	N.A.	96.40
20-40	4906.04	N.A.	32.80
20-50	7544.19	N.A.	50.50
40-70	6658.64	N.A.	44.50
60-80	2738.73	N.A.	18.30
70-80	1016.91	N.A.	6.80
80-90	303.25	N.A.	2.00
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	14949.28	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	537.94
10-20	1526.51
20-30	2264.03
30-40	2642.01
40-50	2638.15
50-60	2298.67
60-70	1721.82
70-80	1016.91
80-90	303.25
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

Photometric Toolbox® Copyright 2002-2019 by Lighting Analysts, Inc.
Calculations based on published IES Methods and recommendations, values rounded for display purposes.
Results derived from content of manufacturers photometric file.

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MHB-01-LED-15L-DPW-50-80CRI.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

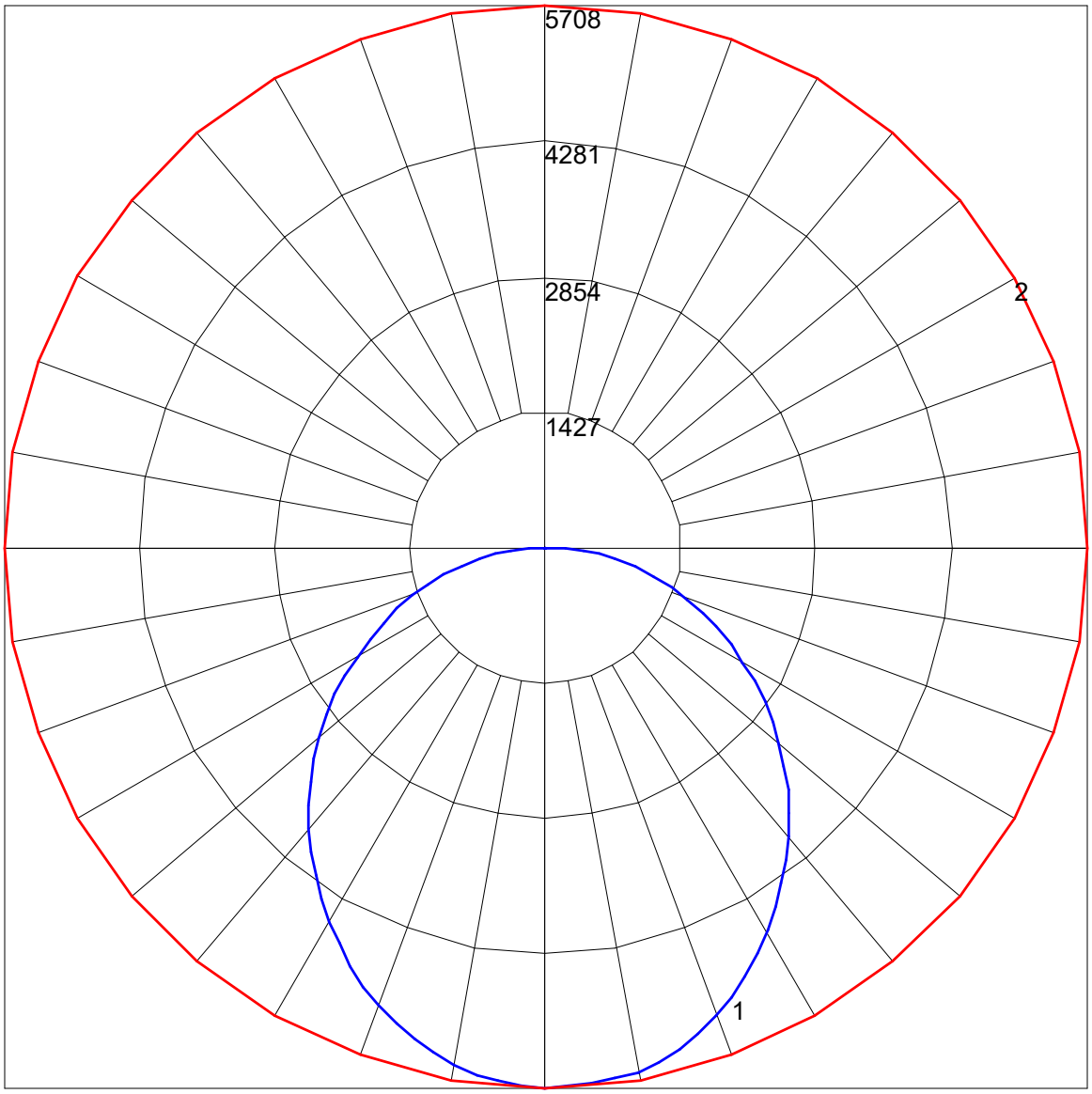
Effective Floor Cavity Reflectance 0.20

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	100	96	106	102	98	94	98	94	91	94	91	89	90	88	86	84
2	99	91	84	78	96	89	83	77	85	80	76	82	78	74	79	76	72	70
3	90	80	72	65	88	78	71	65	75	69	64	73	67	63	70	65	62	59
4	83	71	62	56	81	70	62	55	67	60	54	65	59	54	63	57	53	51
5	76	64	55	48	74	62	54	48	60	53	47	58	52	47	57	51	46	44
6	71	57	48	42	69	56	48	42	55	47	42	53	46	41	51	45	41	39
7	66	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34
8	61	48	39	33	59	47	39	33	46	38	33	44	38	33	43	37	33	31
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28
10	54	40	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25

Photometric Toolbox® Copyright 2002-2019 by Lighting Analysts, Inc.
Calculations based on published IES Methods and recommendations, values rounded for display purposes.
Results derived from content of manufacturers photometric file.

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MHB-01-LED-15L-DPW-50-80CRI.IES

POLAR GRAPH



Maximum Candela = 5708 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)

Photometric Toolbox® Copyright 2002-2019 by Lighting Analysts, Inc.
Calculations based on published IES Methods and recommendations, values rounded for display purposes.
Results derived from content of manufacturers photometric file.