

Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P#

Luminaire Tested: **44ID-80-L850-CFD2**

Issue Date: 9/24/2021

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.



**Test Information**

Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA ( 13890049.01)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/24/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 44ID-80-L850-CFD2  
Description: 8000 LUMEN 4X4 IN DEPTH LED LUMINAIRE, WITH DROPPED 2IN CUBE LENS  
AND 5000K CCT, 80CRI LEDS  
Light Source: -  
Ballast/Driver:  
Luminaire Equipment: Sample No. Condition Description

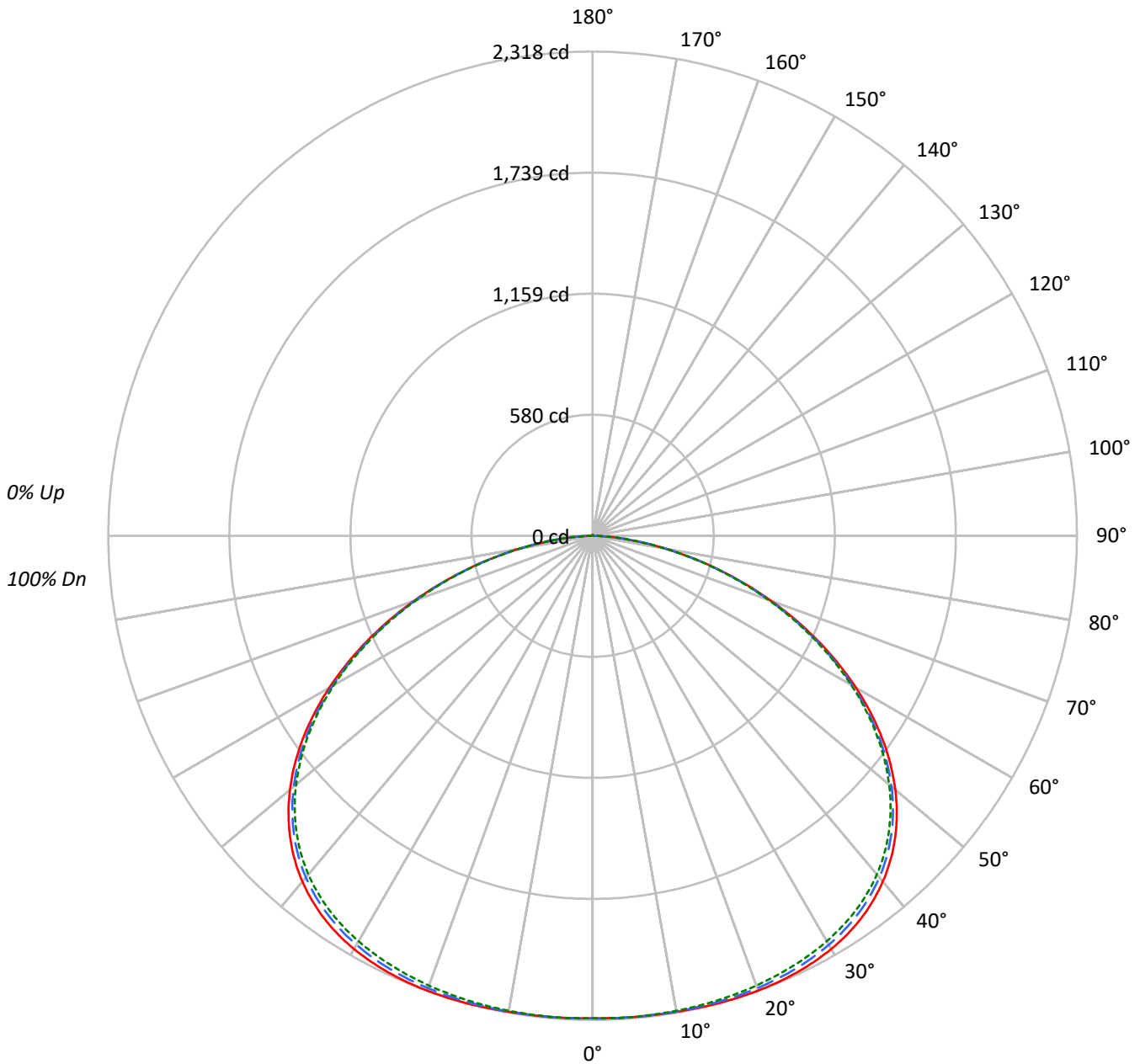
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8365.0 lumens  
Efficiency: N/A  
Efficacy: 131.9 lumens/watt  
Spacing Criteria (0/90/45): 1.48 / 1.45 / 1.57  
Luminous Opening: Rectangular w/ Sides (W: 3.88' x L: 3.88' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 63.4  
Input Voltage (V):  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT

TEST NUMBER: P#  
CATALOG NUMBER: 44ID-80-L850-CFD2

### Luminous Intensity Polar Plot





TEST NUMBER: P#

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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	108	103	99	95	105	101	97	93	97	93	90	93	90	87	89	87	85	82			
2	98	89	82	76	95	87	81	75	84	78	73	80	76	71	77	73	70	68			
3	89	78	69	62	86	76	68	62	73	66	60	70	64	59	67	63	58	56			
4	81	68	59	52	78	67	58	52	64	57	51	62	55	50	60	54	49	47			
5	74	61	51	44	72	59	51	44	57	49	43	55	48	43	53	47	42	40			
6	68	54	45	38	66	53	44	38	51	43	38	50	43	37	48	42	37	35			
7	63	49	40	33	61	48	39	33	46	39	33	45	38	33	43	37	32	30			
8	58	44	36	29	57	44	35	29	42	35	29	41	34	29	40	33	29	27			
9	54	41	32	26	53	40	32	26	39	31	26	38	31	26	37	30	26	24			
10	51	37	29	24	50	37	29	24	36	28	23	35	28	23	34	28	23	21			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	1649	1649	1649
5°	1651	1648	1651
10°	1665	1659	1661
15°	1693	1681	1683
20°	1733	1713	1714
25°	1782	1754	1754
30°	1837	1801	1803
35°	1894	1849	1855
40°	1944	1893	1904
45°	1982	1924	1941
50°	1998	1935	1957
55°	1985	1915	1946
60°	1935	1858	1900
65°	1842	1759	1812
70°	1696	1608	1670
75°	1480	1391	1464
80°	1175	1091	1166
85°	730	658	747



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	220.7	2.6
10°-20°	654.8	7.8
20°-30°	1058.5	12.7
30°-40°	1386.4	16.6
40°-50°	1559.4	18.6
50°-60°	1492.2	17.8
60°-70°	1163.8	13.9
70°-80°	655.9	7.8
80°-90°	162.3	1.9
90°-100°	0.6	0.0
100°-110°	0.9	0.0
110°-120°	1.7	0.0
120°-130°	2.6	0.0
130°-140°	2.1	0.0
140°-150°	1.3	0.0
150°-160°	1.0	0.0
160°-170°	0.6	0.0
170°-180°	0.2	0.0
0°-30°	1934.0	23.1
0°-40°	3320.4	39.7
0°-60°	6372.0	76.2
0°-90°	8353.9	99.9
90°-120°	3.2	0.0
90°-150°	9.3	0.1
90°-180°	11.0	0.1
0°-180°	8365.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2310	2310	2310	2310	2310	
5°	2312	2313	2312	2312	2312	221
15°	2318	2317	2311	2306	2303	657
25°	2308	2304	2290	2277	2272	1067
35°	2238	2231	2212	2199	2192	1401
45°	2047	2038	2022	2012	2005	1577
55°	1693	1684	1672	1664	1659	1509
65°	1191	1186	1177	1174	1171	1175
75°	623	623	619	618	616	660
85°	133	135	136	137	136	154
90°	1	1	1	1	1	6
95°	0	0	0	0	1	0
105°	1	1	1	1	1	1
115°	2	2	2	2	2	2
125°	3	3	3	3	3	3
135°	3	3	3	3	3	2
145°	2	2	2	2	2	1
155°	2	2	2	2	2	1
165°	2	2	2	2	2	1
175°	3	3	3	3	2	0
180°	2	2	2	2	2	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2310.2	2310.2	2310.2	2310.2	2310.2
0.5°	2309.6	2311.3	2311.9	2311.3	2310.2
1°	2310.2	2311.3	2311.9	2311.9	2310.7
1.5°	2310.7	2311.9	2311.9	2311.9	2311.3
2°	2310.7	2311.9	2311.9	2312.4	2311.3
2.5°	2311.3	2312.4	2312.4	2312.4	2311.3
3°	2311.9	2312.4	2312.4	2312.4	2311.9
3.5°	2311.9	2312.4	2312.4	2312.4	2311.9
4°	2312.4	2312.4	2312.4	2312.4	2311.9
4.5°	2312.4	2313.0	2312.4	2312.4	2311.9
5°	2312.4	2313.0	2312.4	2312.4	2311.9
5.5°	2312.4	2313.0	2312.4	2312.4	2311.9
6°	2313.0	2313.0	2312.4	2312.4	2311.3
6.5°	2313.0	2313.6	2313.0	2312.4	2311.3
7°	2313.0	2313.6	2312.4	2312.4	2311.3
7.5°	2313.0	2313.6	2312.4	2311.9	2310.7
8°	2313.6	2313.6	2313.0	2311.9	2310.7
8.5°	2313.6	2314.1	2312.4	2311.9	2310.2
9°	2314.1	2314.1	2313.0	2311.3	2310.2
9.5°	2314.1	2314.7	2312.4	2311.3	2309.6
10°	2314.7	2314.7	2312.4	2310.7	2309.0
10.5°	2315.2	2315.2	2312.4	2310.7	2309.0
11°	2315.2	2315.2	2312.4	2310.2	2308.5
11.5°	2315.8	2315.8	2312.4	2309.6	2307.9
12°	2315.8	2315.8	2312.4	2309.6	2307.4
12.5°	2316.4	2315.8	2311.9	2309.0	2306.8
13°	2316.4	2315.8	2311.9	2308.5	2306.2
13.5°	2316.9	2316.4	2311.9	2307.9	2305.7
14°	2316.9	2316.4	2311.9	2307.4	2304.5
14.5°	2317.5	2316.4	2311.3	2306.8	2304.0
15°	2317.5	2316.9	2311.3	2306.2	2303.4
15.5°	2318.1	2316.9	2310.7	2305.1	2302.3
16°	2317.5	2316.9	2310.2	2304.5	2301.2
16.5°	2318.1	2316.9	2310.2	2303.4	2300.0
17°	2318.1	2316.4	2309.6	2302.3	2299.5
17.5°	2318.1	2316.4	2308.5	2301.7	2298.3
18°	2318.1	2316.4	2307.9	2300.6	2296.6
18.5°	2318.1	2315.8	2307.4	2299.5	2295.5
19°	2317.5	2315.8	2306.8	2298.3	2294.4
19.5°	2317.5	2315.2	2305.7	2296.6	2292.7
20°	2316.9	2314.7	2304.5	2295.5	2291.6
20.5°	2316.4	2314.1	2304.0	2294.4	2289.9
21°	2316.4	2313.6	2302.8	2292.7	2288.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
22.5°	2314.1	2310.7	2298.9	2287.6	2282.6
23°	2313.0	2309.6	2297.2	2285.9	2280.9
23.5°	2311.9	2308.5	2295.5	2283.7	2278.6
24°	2310.7	2307.4	2293.8	2281.4	2276.4
24.5°	2309.6	2305.7	2292.1	2279.2	2274.1
25°	2307.9	2304.0	2289.9	2276.9	2271.9
25.5°	2306.2	2302.3	2287.6	2274.7	2269.0
26°	2304.5	2300.6	2285.4	2272.4	2266.8
26.5°	2302.8	2298.3	2283.1	2269.6	2264.0
27°	2300.6	2296.1	2280.3	2266.8	2261.1
27.5°	2298.3	2293.8	2277.5	2264.0	2258.3
28°	2296.1	2291.0	2274.7	2261.1	2255.5
28.5°	2293.3	2288.2	2271.9	2257.8	2252.1
29°	2290.4	2285.4	2268.5	2254.4	2248.8
29.5°	2287.6	2282.0	2265.1	2251.0	2244.8
30°	2284.3	2278.6	2261.1	2247.1	2240.9
30.5°	2280.9	2275.2	2257.2	2243.1	2237.5
31°	2276.9	2271.3	2253.3	2239.2	2233.0
31.5°	2273.5	2267.3	2248.8	2235.2	2229.0
32°	2269.0	2262.8	2244.8	2230.7	2224.5
32.5°	2264.5	2258.3	2239.7	2225.7	2219.5
33°	2260.0	2253.3	2234.7	2221.1	2214.4
33.5°	2255.0	2248.2	2229.6	2216.1	2209.3
34°	2249.3	2242.6	2224.0	2210.4	2204.2
34.5°	2243.7	2236.9	2218.3	2204.8	2198.6
35°	2238.0	2230.7	2212.1	2198.6	2192.4
35.5°	2231.8	2224.5	2205.9	2192.4	2186.2
36°	2225.7	2217.8	2199.2	2186.2	2179.4
36.5°	2218.3	2211.0	2192.4	2179.4	2173.3
37°	2211.0	2203.7	2185.1	2172.1	2165.9
37.5°	2203.7	2195.8	2177.8	2164.8	2158.0
38°	2195.8	2188.5	2169.9	2157.5	2150.7
38.5°	2187.9	2180.0	2161.4	2149.0	2142.8
39°	2179.4	2171.0	2153.0	2141.1	2134.4
39.5°	2170.4	2162.0	2144.5	2132.1	2125.9
40°	2160.9	2153.0	2134.9	2123.1	2116.9
40.5°	2151.8	2143.4	2125.4	2114.1	2107.3
41°	2141.7	2133.2	2115.8	2103.9	2097.2
41.5°	2131.0	2122.5	2105.1	2093.8	2087.0
42°	2120.3	2111.8	2094.4	2083.7	2076.3
42.5°	2109.0	2100.6	2083.1	2072.4	2065.6
43°	2097.7	2088.7	2071.8	2061.1	2054.4
43.5°	2085.9	2076.9	2060.0	2049.3	2042.5



TEST NUMBER: P#

CATALOG NUMBER: 44ID-80-L850-CFD2

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
45°	2047.0	2038.0	2021.7	2012.1	2004.8
45.5°	2033.5	2023.9	2008.2	1998.6	1991.8
46°	2019.4	2009.8	1994.1	1984.5	1977.7
46.5°	2004.8	1995.2	1980.0	1970.4	1963.6
47°	1989.6	1980.5	1964.8	1956.3	1949.0
47.5°	1974.4	1964.8	1949.6	1941.1	1933.8
48°	1959.1	1949.0	1934.3	1925.3	1918.0
48.5°	1942.8	1933.2	1918.6	1910.1	1903.4
49°	1925.3	1916.3	1901.7	1892.6	1886.5
49.5°	1908.4	1899.4	1884.8	1876.3	1869.5
50°	1891.0	1881.4	1867.9	1859.4	1852.6
50.5°	1872.9	1863.3	1849.8	1841.4	1835.2
51°	1854.9	1845.3	1831.8	1823.3	1816.6
51.5°	1835.7	1826.2	1812.6	1804.7	1798.6
52°	1816.6	1807.0	1793.5	1786.2	1780.0
52.5°	1797.4	1787.8	1774.3	1766.4	1760.8
53°	1776.6	1767.6	1755.2	1747.8	1741.6
53.5°	1755.7	1746.7	1734.3	1727.0	1721.4
54°	1734.9	1725.9	1713.5	1706.1	1701.1
54.5°	1714.6	1705.0	1693.2	1685.9	1680.8
55°	1692.6	1683.6	1671.8	1664.4	1659.4
55.5°	1670.6	1661.6	1649.8	1642.5	1638.0
56°	1647.5	1639.1	1627.3	1621.1	1616.6
56.5°	1624.4	1616.6	1604.7	1598.5	1594.0
57°	1601.9	1593.5	1582.2	1576.6	1572.0
57.5°	1579.4	1570.4	1559.1	1553.4	1548.9
58°	1554.6	1546.1	1535.4	1529.8	1525.8
58.5°	1530.3	1522.5	1511.2	1506.1	1502.2
59°	1506.1	1498.2	1487.5	1482.5	1478.5
59.5°	1480.8	1473.4	1462.7	1457.7	1453.7
60°	1456.0	1448.1	1437.9	1433.4	1429.5
60.5°	1430.6	1423.9	1413.1	1408.6	1404.7
61°	1404.7	1397.9	1387.8	1383.3	1379.3
61.5°	1378.2	1372.6	1362.4	1357.9	1354.5
62°	1352.3	1346.7	1336.5	1332.6	1329.2
62.5°	1325.8	1320.2	1310.0	1306.1	1302.7
63°	1299.3	1293.7	1284.1	1280.2	1276.8
63.5°	1272.3	1266.6	1257.6	1253.7	1250.3
64°	1245.2	1239.6	1230.0	1227.2	1223.3
64.5°	1218.2	1212.6	1203.0	1200.2	1196.8
65°	1190.6	1186.1	1177.1	1173.7	1171.4
65.5°	1163.5	1157.9	1149.5	1146.6	1143.3
66°	1134.8	1130.3	1121.8	1119.0	1116.8





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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	1051.4	1046.3	1039.0	1036.2	1033.4
68°	1022.7	1018.2	1010.8	1008.6	1005.8
68.5°	993.9	989.4	982.1	980.4	978.7
69°	965.2	960.7	954.5	952.8	950.6
69.5°	937.0	932.5	926.9	925.2	922.4
70°	908.3	904.3	898.7	897.0	894.2
70.5°	879.6	875.6	870.5	868.8	866.0
71°	850.8	847.4	842.9	840.7	837.9
71.5°	822.6	819.3	814.2	812.5	810.2
72°	793.9	791.1	786.0	784.9	782.1
72.5°	765.2	762.9	757.8	756.7	754.5
73°	736.4	734.2	729.1	728.0	726.3
73.5°	708.3	706.0	701.5	699.8	698.1
74°	680.1	678.4	673.9	672.8	670.5
74.5°	651.4	650.2	646.3	644.6	642.9
75°	622.6	622.6	618.7	617.5	615.9
75.5°	595.0	595.0	591.1	589.9	588.2
76°	567.4	567.4	563.5	562.4	560.1
76.5°	539.5	539.7	536.4	535.2	533.4
77°	512.8	513.0	510.0	508.5	506.7
77.5°	484.2	485.6	483.1	481.8	479.9
78°	457.6	459.3	456.7	455.7	454.1
78.5°	432.5	433.5	431.9	430.6	428.4
79°	406.1	407.0	405.9	404.8	402.6
79.5°	380.2	381.6	380.9	379.9	377.4
80°	355.4	356.4	356.6	355.0	352.7
80.5°	329.2	331.3	331.7	330.1	328.9
81°	305.1	307.0	307.6	306.7	305.1
81.5°	281.3	283.6	284.1	283.6	281.6
82°	257.4	260.3	261.1	260.7	258.5
82.5°	234.7	237.8	238.7	238.4	236.3
83°	212.6	216.0	216.9	217.2	215.2
83.5°	191.2	194.5	195.6	195.9	193.8
84°	170.7	173.7	175.0	175.6	173.8
84.5°	151.2	153.6	155.2	156.0	155.1
85°	132.9	134.6	136.1	137.1	135.9
85.5°	115.1	116.4	117.5	119.1	118.2
86°	98.5	99.8	100.6	101.9	101.9
86.5°	82.7	83.3	84.0	85.4	85.4
87°	67.6	67.7	67.9	69.8	69.8
87.5°	52.2	52.6	52.9	54.5	55.0
88°	36.8	38.1	38.4	39.9	39.8
88.5°	26.0	26.0	26.0	27.5	27.8



TEST NUMBER: P#

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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
90°	1.2	1.2	1.2	1.3	1.2
90.5°	0.4	0.3	0.4	0.5	0.4
91°	0.4	0.3	0.3	0.4	0.3
91.5°	0.5	0.4	0.5	0.3	0.3
92°	0.4	0.4	0.4	0.5	0.4
92.5°	0.5	0.4	0.4	0.5	0.4
93°	0.5	0.5	0.5	0.4	0.3
93.5°	0.5	0.4	0.5	0.5	0.5
94°	0.5	0.5	0.5	0.5	0.6
94.5°	0.5	0.5	0.5	0.5	0.5
95°	0.5	0.4	0.5	0.5	0.6
95.5°	0.5	0.5	0.6	0.5	0.6
96°	0.6	0.6	0.5	0.5	0.6
96.5°	0.6	0.6	0.6	0.5	0.6
97°	0.6	0.6	0.6	0.5	0.7
97.5°	0.7	0.6	0.6	0.5	0.7
98°	0.7	0.6	0.6	0.6	0.7
98.5°	0.7	0.6	0.6	0.6	0.7
99°	0.7	0.7	0.6	0.6	0.6
99.5°	0.7	0.6	0.7	0.6	0.6
100°	0.7	0.7	0.7	0.7	0.7
100.5°	0.7	0.7	0.7	0.7	0.7
101°	0.8	0.7	0.7	0.7	0.7
101.5°	0.8	0.7	0.7	0.7	0.8
102°	0.9	0.7	0.8	0.7	0.8
102.5°	0.8	0.7	0.7	0.8	0.8
103°	0.8	0.7	0.8	0.7	0.8
103.5°	0.8	0.8	0.8	0.8	0.7
104°	1.0	0.8	0.8	0.8	0.7
104.5°	0.8	0.9	0.9	0.9	0.8
105°	1.0	0.9	0.8	1.0	1.0
105.5°	1.0	0.8	0.9	0.8	0.8
106°	0.9	0.9	1.0	1.0	1.0
106.5°	1.0	0.9	1.0	0.9	0.8
107°	1.0	1.0	1.0	1.0	0.9
107.5°	1.1	1.0	1.0	1.1	1.0
108°	1.1	1.0	0.9	1.1	1.0
108.5°	1.1	1.1	1.1	1.0	1.0
109°	1.1	1.1	1.1	1.1	1.1
109.5°	1.2	1.0	1.2	1.1	1.0
110°	1.1	1.1	1.1	1.2	1.1
110.5°	1.2	1.1	1.2	1.2	1.2
111°	1.2	1.2	1.2	1.2	1.2



TEST NUMBER: P#

CATALOG NUMBER: 44ID-80-L850-CFD2

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1.4	1.4	1.5	1.4	1.3
113°	1.5	1.4	1.4	1.4	1.4
113.5°	1.5	1.5	1.5	1.6	1.6
114°	1.6	1.6	1.6	1.6	1.6
114.5°	1.7	1.7	1.6	1.6	1.5
115°	1.7	1.7	1.6	1.7	1.6
115.5°	1.9	1.7	1.8	1.7	1.6
116°	1.8	1.9	1.9	1.8	1.7
116.5°	1.9	1.9	1.9	1.9	1.9
117°	2.0	2.0	2.0	2.0	1.8
117.5°	2.1	2.0	2.1	2.0	1.9
118°	2.1	2.1	2.2	2.1	2.0
118.5°	2.3	2.2	2.2	2.1	2.1
119°	2.3	2.3	2.4	2.2	2.2
119.5°	2.4	2.4	2.4	2.3	2.3
120°	2.5	2.5	2.4	2.4	2.4
120.5°	2.5	2.4	2.5	2.5	2.4
121°	2.5	2.5	2.5	2.5	2.4
121.5°	2.8	2.7	2.6	2.5	2.5
122°	2.6	2.8	2.7	2.6	2.7
122.5°	2.9	2.8	2.8	2.8	2.6
123°	2.9	2.9	2.8	2.8	2.8
123.5°	2.9	3.0	2.9	2.8	2.9
124°	3.0	3.0	3.0	2.9	2.9
124.5°	3.2	3.0	3.0	2.9	2.9
125°	3.3	3.2	3.1	3.0	3.0
125.5°	3.3	3.2	3.1	3.0	3.1
126°	3.3	3.2	3.1	3.1	3.0
126.5°	3.2	3.2	3.3	3.1	3.2
127°	3.3	3.3	3.2	3.1	3.0
127.5°	3.4	3.3	3.3	3.1	3.0
128°	3.4	3.2	3.2	3.1	3.2
128.5°	3.3	3.3	3.2	3.0	3.2
129°	3.2	3.2	3.2	3.1	3.0
129.5°	3.2	3.2	3.2	3.1	3.1
130°	3.2	3.2	3.1	3.0	3.0
130.5°	3.3	3.2	3.2	2.9	3.0
131°	3.1	3.1	3.1	2.9	3.0
131.5°	3.2	3.0	2.9	2.9	2.9
132°	3.1	3.0	3.0	2.9	2.9
132.5°	3.1	3.0	2.9	2.9	2.9
133°	3.0	2.9	2.9	2.7	2.8
133.5°	3.0	2.9	2.8	2.6	2.8



TEST NUMBER: P#

CATALOG NUMBER: 44ID-80-L850-CFD2

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
135°	2.9	2.8	2.6	2.6	2.8
135.5°	2.8	2.8	2.6	2.5	2.7
136°	2.7	2.6	2.5	2.4	2.7
136.5°	2.8	2.6	2.5	2.4	2.6
137°	2.7	2.6	2.5	2.4	2.6
137.5°	2.6	2.5	2.5	2.3	2.5
138°	2.6	2.5	2.4	2.3	2.5
138.5°	2.6	2.5	2.4	2.3	2.4
139°	2.3	2.4	2.4	2.1	2.5
139.5°	2.5	2.3	2.3	2.2	2.4
140°	2.4	2.3	2.3	2.1	2.3
140.5°	2.4	2.3	2.3	2.1	2.3
141°	2.3	2.3	2.2	2.0	2.1
141.5°	2.1	2.3	2.3	2.0	2.1
142°	2.1	2.1	2.2	2.1	2.0
142.5°	2.1	2.2	2.1	2.0	2.0
143°	2.2	2.1	2.1	2.1	2.0
143.5°	2.2	2.1	2.1	2.0	2.0
144°	2.2	2.0	2.2	1.9	2.0
144.5°	2.1	2.0	2.1	2.0	2.0
145°	2.1	2.0	2.1	1.9	2.0
145.5°	2.1	2.0	2.0	1.9	2.1
146°	2.1	2.0	1.9	1.9	2.0
146.5°	2.1	2.0	1.9	1.9	2.0
147°	2.1	2.0	1.9	1.9	1.9
147.5°	2.0	2.0	1.9	1.9	2.1
148°	2.1	2.0	1.9	1.9	2.1
148.5°	2.1	2.0	1.9	1.9	2.1
149°	2.1	2.0	1.9	1.9	2.1
149.5°	2.2	1.9	1.9	1.9	2.1
150°	2.1	2.0	1.9	1.9	2.1
150.5°	2.1	2.0	1.9	1.9	2.1
151°	2.2	2.0	1.9	1.9	2.2
151.5°	2.1	2.0	1.9	1.9	2.2
152°	2.2	2.0	2.0	2.0	2.1
152.5°	2.2	2.1	1.9	2.0	2.2
153°	2.1	2.0	2.0	2.1	2.3
153.5°	2.3	2.1	1.9	2.0	2.2
154°	2.2	2.1	2.0	2.0	2.2
154.5°	2.2	2.0	2.0	2.1	2.3
155°	2.1	2.1	2.1	2.1	2.3
155.5°	2.2	2.0	2.0	2.1	2.3
156°	2.1	2.1	2.1	2.1	2.3



TEST NUMBER: P#

CATALOG NUMBER: 44ID-80-L850-CFD2

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
157.5°	2.1	2.0	2.0	2.1	2.2
158°	2.3	2.1	2.0	2.1	2.3
158.5°	2.1	2.1	2.0	2.1	2.2
159°	2.2	2.1	2.0	2.1	2.3
159.5°	2.1	2.0	2.0	2.1	2.4
160°	2.1	2.1	2.0	2.1	2.3
160.5°	2.1	2.0	2.0	2.1	2.3
161°	2.1	2.0	2.0	2.1	2.3
161.5°	2.1	2.1	2.0	2.0	2.1
162°	2.1	2.0	2.1	2.1	2.1
162.5°	2.2	2.1	2.1	2.1	2.2
163°	2.2	2.1	2.1	2.1	2.1
163.5°	2.1	2.1	2.1	2.1	2.3
164°	2.1	2.1	2.1	2.3	2.3
164.5°	2.0	2.2	2.1	2.3	2.3
165°	2.1	2.1	2.0	2.2	2.3
165.5°	2.0	2.1	2.0	2.4	2.3
166°	2.1	2.1	2.1	2.3	2.2
166.5°	2.1	2.1	2.0	2.3	2.1
167°	2.1	2.3	2.1	2.4	2.3
167.5°	2.1	2.3	2.1	2.4	2.3
168°	2.2	2.2	2.1	2.4	2.3
168.5°	2.1	2.3	2.2	2.5	2.3
169°	2.3	2.3	2.1	2.5	2.3
169.5°	2.3	2.3	2.1	2.5	2.4
170°	2.3	2.3	2.2	2.5	2.3
170.5°	2.3	2.4	2.2	2.5	2.4
171°	2.3	2.3	2.3	2.5	2.5
171.5°	2.3	2.3	2.3	2.6	2.4
172°	2.3	2.3	2.4	2.6	2.4
172.5°	2.4	2.4	2.4	2.6	2.4
173°	2.3	2.3	2.4	2.6	2.5
173.5°	2.4	2.4	2.5	2.5	2.5
174°	2.5	2.5	2.6	2.6	2.5
174.5°	2.5	2.6	2.6	2.7	2.6
175°	2.6	2.6	2.6	2.7	2.5
175.5°	2.6	2.6	2.8	2.6	2.6
176°	2.8	2.7	2.6	2.6	2.6
176.5°	2.8	2.6	2.7	2.5	2.6
177°	2.7	2.6	2.5	2.5	2.6
177.5°	2.8	2.6	2.5	2.4	2.6
178°	2.6	2.5	2.4	2.4	2.5
178.5°	2.5	2.5	2.4	2.4	2.4



TEST NUMBER: P#

CATALOG NUMBER: 44ID-80-L850-CFD2

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	2.2	2.2	2.2	2.2	2.2



Report Generated By 670246072 / DESKTOP-MV3F9LC







— 0°-180°    - - 45°-225°    - - - - 90°-270°







21.5°	2315.8	2313.0	2301.7	2291.0	2286.5
22°	2314.7	2311.9	2300.0	2289.3	2284.8



44°	2073.0	2064.5	2047.6	2037.5	2030.7
44.5°	2060.0	2051.0	2035.2	2024.5	2017.7



66.5°	1107.2	1102.7	1094.2	1091.4	1088.6
67°	1079.6	1074.5	1066.6	1063.8	1061.6



89°	16.5	16.2	16.0	16.8	17.1
89.5°	7.3	7.4	7.2	7.7	7.6



111.5°	1.4	1.2	1.3	1.3	1.2
112°	1.4	1.3	1.3	1.3	1.4





134°	2.9	2.8	2.8	2.7	2.9
134.5°	2.9	2.8	2.8	2.6	2.7



156.5°	2.2	2.0	2.1	2.1	2.2
157°	2.1	2.0	2.1	2.1	2.2



179°	2.4	2.4	2.3	2.3	2.4
179.5°	2.1	2.3	2.2	2.1	2.3





TEST NUMBER: P#  
 CATALOG NUMBER: 44ID-80-L850-CFD2

**CIE UGR TABLE:**

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	14.81	16.50	15.17	16.82	17.14	14.72	16.42	15.09	16.74	17.05
	3H	16.60	18.14	16.98	18.47	18.83	16.52	18.06	16.90	18.39	18.75
	4H	17.23	18.68	17.63	19.03	19.41	17.15	18.60	17.55	18.95	19.33
	6H	17.64	18.99	18.05	19.36	19.75	17.56	18.91	17.97	19.28	19.67
	8H	17.75	19.04	18.17	19.43	19.83	17.67	18.96	18.10	19.35	19.75
	12H	17.78	19.02	18.21	19.40	19.83	17.71	18.94	18.14	19.33	19.76
4H	2H	15.43	16.89	15.83	17.24	17.61	15.36	16.82	15.76	17.17	17.55
	3H	17.43	18.66	17.84	19.05	19.46	17.36	18.59	17.77	18.99	19.39
	4H	18.18	19.28	18.61	19.70	20.14	18.11	19.21	18.54	19.63	20.07
	6H	18.70	19.67	19.15	20.11	20.56	18.63	19.60	19.08	20.04	20.50
	8H	18.84	19.75	19.30	20.19	20.66	18.78	19.68	19.24	20.13	20.59
	12H	18.91	19.73	19.39	20.20	20.67	18.85	19.67	19.33	20.14	20.62
8H	4H	18.45	19.36	18.91	19.81	20.27	18.39	19.30	18.85	19.74	20.21
	6H	19.07	19.82	19.56	20.31	20.79	19.01	19.77	19.50	20.25	20.73
	8H	19.26	19.94	19.77	20.45	20.93	19.21	19.89	19.71	20.39	20.88
	12H	19.38	19.98	19.88	20.47	21.03	19.33	19.93	19.84	20.42	20.98
12H	4H	18.48	19.30	18.96	19.77	20.24	18.42	19.24	18.90	19.71	20.18
	6H	19.10	19.78	19.61	20.29	20.78	19.05	19.73	19.55	20.23	20.72
	8H	19.34	19.94	19.85	20.43	20.99	19.29	19.89	19.80	20.38	20.94