

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-90-L950-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-90-L950-CFD2
Description: 9000 LUMEN 4X4 IN DEPTH LED LUMINAIRE, WITH DROPPED 2IN CUBE LENS
AND 5000K CCT, 90CRI LEDS
Light Source: -
Ballast/Driver:
Luminaire Equipment: Sample No. Condition Description

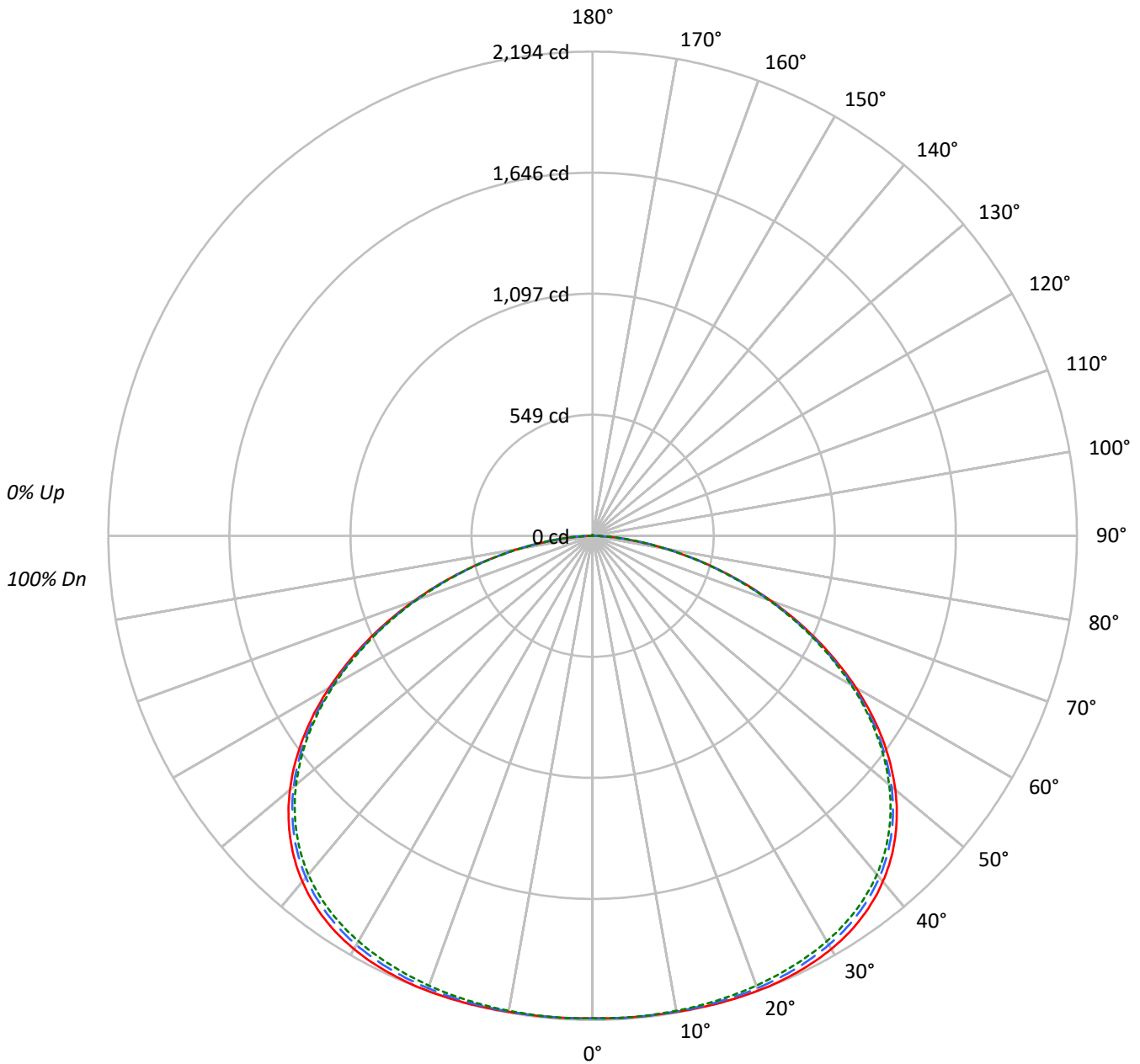
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7918.0 lumens
Efficiency: N/A
Efficacy: 114.1 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): 69.4
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

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Luminous Intensity Polar Plot





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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°	1561	1561	1561
5°	1563	1560	1562
10°	1576	1570	1573
15°	1603	1591	1593
20°	1640	1621	1623
25°	1687	1660	1661
30°	1739	1705	1706
35°	1792	1750	1756
40°	1840	1792	1802
45°	1876	1821	1837
50°	1891	1831	1853
55°	1879	1812	1842
60°	1832	1758	1798
65°	1743	1665	1715
70°	1605	1522	1580
75°	1401	1317	1386
80°	1112	1032	1104
85°	691	623	707



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	208.9	2.6
10°-20°	619.8	7.8
20°-30°	1001.9	12.7
30°-40°	1312.3	16.6
40°-50°	1476.1	18.6
50°-60°	1412.5	17.8
60°-70°	1101.6	13.9
70°-80°	620.8	7.8
80°-90°	153.6	1.9
90°-100°	0.5	0.0
100°-110°	0.9	0.0
110°-120°	1.6	0.0
120°-130°	2.5	0.0
130°-140°	2.0	0.0
140°-150°	1.2	0.0
150°-160°	0.9	0.0
160°-170°	0.6	0.0
170°-180°	0.2	0.0
0°-30°	1830.6	23.1
0°-40°	3143.0	39.7
0°-60°	6031.5	76.2
0°-90°	7907.5	99.9
90°-120°	3.0	0.0
90°-150°	8.7	0.1
90°-180°	10.0	0.1
0°-180°	7918.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2187	2187	2187	2187	2187	
5°	2189	2189	2189	2189	2188	209
15°	2194	2193	2188	2183	2180	622
25°	2185	2181	2168	2155	2150	1010
35°	2118	2112	2094	2081	2075	1326
45°	1938	1929	1914	1905	1898	1493
55°	1602	1594	1582	1576	1571	1428
65°	1127	1123	1114	1111	1109	1112
75°	589	589	586	584	583	625
85°	126	127	129	130	129	146
90°	1	1	1	1	1	6
95°	0	0	0	0	0	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	2	2	3	2
145°	2	2	2	2	2	1
155°	2	2	2	2	2	1
165°	2	2	2	2	2	1
175°	2	2	2	3	2	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2186.7	2186.7	2186.7	2186.7	2186.7
0.5°	2186.2	2187.8	2188.3	2187.8	2186.7
1°	2186.7	2187.8	2188.3	2188.3	2187.3
1.5°	2187.3	2188.3	2188.3	2188.3	2187.8
2°	2187.3	2188.3	2188.3	2188.9	2187.8
2.5°	2187.8	2188.9	2188.9	2188.9	2187.8
3°	2188.3	2188.9	2188.9	2188.9	2188.3
3.5°	2188.3	2188.9	2188.9	2188.9	2188.3
4°	2188.9	2188.9	2188.9	2188.9	2188.3
4.5°	2188.9	2189.4	2188.9	2188.9	2188.3
5°	2188.9	2189.4	2188.9	2188.9	2188.3
5.5°	2188.9	2189.4	2188.9	2188.9	2188.3
6°	2189.4	2189.4	2188.9	2188.9	2187.8
6.5°	2189.4	2189.9	2189.4	2188.9	2187.8
7°	2189.4	2189.9	2188.9	2188.9	2187.8
7.5°	2189.4	2189.9	2188.9	2188.3	2187.3
8°	2189.9	2189.9	2189.4	2188.3	2187.3
8.5°	2189.9	2190.5	2188.9	2188.3	2186.7
9°	2190.5	2190.5	2189.4	2187.8	2186.7
9.5°	2190.5	2191.0	2188.9	2187.8	2186.2
10°	2191.0	2191.0	2188.9	2187.3	2185.7
10.5°	2191.5	2191.5	2188.9	2187.3	2185.7
11°	2191.5	2191.5	2188.9	2186.7	2185.1
11.5°	2192.1	2192.1	2188.9	2186.2	2184.6
12°	2192.1	2192.1	2188.9	2186.2	2184.1
12.5°	2192.6	2192.1	2188.3	2185.7	2183.5
13°	2192.6	2192.1	2188.3	2185.1	2183.0
13.5°	2193.1	2192.6	2188.3	2184.6	2182.5
14°	2193.1	2192.6	2188.3	2184.1	2181.4
14.5°	2193.7	2192.6	2187.8	2183.5	2180.9
15°	2193.7	2193.1	2187.8	2183.0	2180.3
15.5°	2194.2	2193.1	2187.3	2181.9	2179.3
16°	2193.7	2193.1	2186.7	2181.4	2178.2
16.5°	2194.2	2193.1	2186.7	2180.3	2177.1
17°	2194.2	2192.6	2186.2	2179.3	2176.6
17.5°	2194.2	2192.6	2185.1	2178.7	2175.5
18°	2194.2	2192.6	2184.6	2177.7	2173.9
18.5°	2194.2	2192.1	2184.1	2176.6	2172.9
19°	2193.7	2192.1	2183.5	2175.5	2171.8
19.5°	2193.7	2191.5	2182.5	2173.9	2170.2
20°	2193.1	2191.0	2181.4	2172.9	2169.1
20.5°	2192.6	2190.5	2180.9	2171.8	2167.5
21°	2192.6	2189.9	2179.8	2170.2	2165.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
22.5°	2190.5	2187.3	2176.1	2165.4	2160.6
23°	2189.4	2186.2	2174.5	2163.8	2159.0
23.5°	2188.3	2185.1	2172.9	2161.7	2156.9
24°	2187.3	2184.1	2171.3	2159.5	2154.7
24.5°	2186.2	2182.5	2169.7	2157.4	2152.6
25°	2184.6	2180.9	2167.5	2155.3	2150.5
25.5°	2183.0	2179.3	2165.4	2153.1	2147.8
26°	2181.4	2177.7	2163.3	2151.0	2145.7
26.5°	2179.8	2175.5	2161.1	2148.3	2143.0
27°	2177.7	2173.4	2158.5	2145.7	2140.3
27.5°	2175.5	2171.3	2155.8	2143.0	2137.7
28°	2173.4	2168.6	2153.1	2140.3	2135.0
28.5°	2170.7	2165.9	2150.5	2137.1	2131.8
29°	2168.1	2163.3	2147.3	2133.9	2128.6
29.5°	2165.4	2160.1	2144.1	2130.7	2124.9
30°	2162.2	2156.9	2140.3	2127.0	2121.1
30.5°	2159.0	2153.7	2136.6	2123.3	2117.9
31°	2155.3	2149.9	2132.9	2119.5	2113.7
31.5°	2152.1	2146.2	2128.6	2115.8	2109.9
32°	2147.8	2141.9	2124.9	2111.5	2105.7
32.5°	2143.5	2137.7	2120.1	2106.7	2100.9
33°	2139.3	2132.9	2115.3	2102.5	2096.1
33.5°	2134.5	2128.1	2110.5	2097.7	2091.3
34°	2129.1	2122.7	2105.1	2092.3	2086.5
34.5°	2123.8	2117.4	2099.8	2087.0	2081.1
35°	2118.5	2111.5	2093.9	2081.1	2075.3
35.5°	2112.6	2105.7	2088.1	2075.3	2069.4
36°	2106.7	2099.3	2081.7	2069.4	2063.0
36.5°	2099.8	2092.9	2075.3	2063.0	2057.1
37°	2092.9	2085.9	2068.3	2056.1	2050.2
37.5°	2085.9	2078.5	2061.4	2049.1	2042.7
38°	2078.5	2071.5	2053.9	2042.2	2035.8
38.5°	2071.0	2063.5	2045.9	2034.2	2028.3
39°	2063.0	2055.0	2037.9	2026.7	2020.3
39.5°	2054.5	2046.5	2029.9	2018.2	2012.3
40°	2045.4	2037.9	2020.9	2009.7	2003.8
40.5°	2036.9	2028.9	2011.8	2001.1	1994.7
41°	2027.3	2019.3	2002.7	1991.5	1985.1
41.5°	2017.1	2009.1	1992.6	1981.9	1975.5
42°	2007.0	1999.0	1982.4	1972.3	1965.4
42.5°	1996.3	1988.3	1971.8	1961.6	1955.2
43°	1985.6	1977.1	1961.1	1951.0	1944.6
43.5°	1974.4	1965.9	1949.9	1939.8	1933.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
45°	1937.6	1929.1	1913.6	1904.6	1897.6
45.5°	1924.8	1915.8	1900.8	1891.8	1885.4
46°	1911.5	1902.4	1887.5	1878.4	1872.0
46.5°	1897.6	1888.6	1874.2	1865.1	1858.7
47°	1883.2	1874.7	1859.8	1851.8	1844.8
47.5°	1868.8	1859.8	1845.4	1837.4	1830.4
48°	1854.4	1844.8	1831.0	1822.4	1815.5
48.5°	1839.0	1829.9	1816.0	1808.0	1801.6
49°	1822.4	1813.9	1800.0	1791.5	1785.6
49.5°	1806.4	1797.9	1784.0	1776.0	1769.6
50°	1789.9	1780.8	1768.0	1760.0	1753.6
50.5°	1772.8	1763.8	1751.0	1743.0	1737.1
51°	1755.8	1746.7	1733.9	1725.9	1719.5
51.5°	1737.6	1728.6	1715.8	1708.3	1702.4
52°	1719.5	1710.4	1697.6	1690.7	1684.8
52.5°	1701.4	1692.3	1679.5	1672.0	1666.7
53°	1681.6	1673.1	1661.4	1654.4	1648.6
53.5°	1661.9	1653.4	1641.6	1634.7	1629.4
54°	1642.2	1633.6	1621.9	1615.0	1610.2
54.5°	1623.0	1613.9	1602.7	1595.8	1591.0
55°	1602.2	1593.6	1582.4	1575.5	1570.7
55.5°	1581.4	1572.8	1561.6	1554.7	1550.4
56°	1559.5	1551.5	1540.3	1534.4	1530.2
56.5°	1537.6	1530.2	1519.0	1513.1	1508.8
57°	1516.3	1508.3	1497.6	1492.3	1488.0
57.5°	1495.0	1486.4	1475.8	1470.4	1466.2
58°	1471.5	1463.5	1453.4	1448.0	1444.3
58.5°	1448.6	1441.1	1430.4	1425.6	1421.9
59°	1425.6	1418.2	1408.0	1403.2	1399.5
59.5°	1401.6	1394.7	1384.6	1379.8	1376.0
60°	1378.2	1370.7	1361.1	1356.8	1353.1
60.5°	1354.2	1347.8	1337.6	1333.4	1329.6
61°	1329.6	1323.2	1313.6	1309.4	1305.6
61.5°	1304.6	1299.2	1289.6	1285.4	1282.2
62°	1280.0	1274.7	1265.1	1261.4	1258.2
62.5°	1255.0	1249.6	1240.0	1236.3	1233.1
63°	1229.9	1224.6	1215.5	1211.8	1208.6
63.5°	1204.3	1199.0	1190.4	1186.7	1183.5
64°	1178.7	1173.4	1164.3	1161.6	1157.9
64.5°	1153.1	1147.8	1138.7	1136.0	1132.8
65°	1127.0	1122.7	1114.2	1111.0	1108.8
65.5°	1101.4	1096.0	1088.0	1085.4	1082.2
66°	1074.2	1069.9	1061.9	1059.2	1057.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	995.2	990.4	983.5	980.8	978.2
68°	968.0	963.8	956.8	954.7	952.0
68.5°	940.8	936.6	929.6	928.0	926.4
69°	913.6	909.4	903.5	901.9	899.8
69.5°	887.0	882.7	877.4	875.8	873.1
70°	859.8	856.0	850.7	849.1	846.4
70.5°	832.6	828.8	824.0	822.4	819.8
71°	805.4	802.2	797.9	795.8	793.1
71.5°	778.7	775.5	770.7	769.1	767.0
72°	751.5	748.8	744.0	743.0	740.3
72.5°	724.3	722.2	717.4	716.3	714.2
73°	697.1	695.0	690.2	689.1	687.5
73.5°	670.4	668.3	664.0	662.4	660.8
74°	643.7	642.1	637.9	636.8	634.7
74.5°	616.5	615.5	611.7	610.1	608.5
75°	589.3	589.3	585.6	584.5	582.9
75.5°	563.2	563.2	559.5	558.4	556.8
76°	537.1	537.1	533.3	532.3	530.2
76.5°	510.7	510.9	507.7	506.6	504.9
77°	485.4	485.6	482.8	481.3	479.6
77.5°	458.4	459.6	457.3	456.0	454.3
78°	433.1	434.7	432.3	431.3	429.8
78.5°	409.3	410.4	408.8	407.6	405.5
79°	384.4	385.2	384.2	383.2	381.1
79.5°	359.9	361.2	360.5	359.6	357.2
80°	336.4	337.3	337.5	336.1	333.9
80.5°	311.6	313.6	313.9	312.5	311.4
81°	288.8	290.6	291.2	290.3	288.8
81.5°	266.2	268.4	268.9	268.4	266.5
82°	243.7	246.4	247.2	246.8	244.6
82.5°	222.1	225.1	226.0	225.7	223.7
83°	201.2	204.5	205.3	205.6	203.7
83.5°	181.0	184.1	185.1	185.4	183.5
84°	161.6	164.4	165.7	166.2	164.5
84.5°	143.2	145.4	146.9	147.6	146.8
85°	125.8	127.4	128.8	129.8	128.6
85.5°	108.9	110.2	111.3	112.7	111.8
86°	93.2	94.5	95.3	96.4	96.4
86.5°	78.3	78.9	79.5	80.9	80.9
87°	64.0	64.1	64.3	66.0	66.1
87.5°	49.4	49.8	50.0	51.6	52.1
88°	34.8	36.1	36.4	37.8	37.7
88.5°	24.6	24.6	24.6	26.0	26.3



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CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P#

CATALOG NUMBER: 44ID-90-L950-CFD2

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.3	1.3	1.4	1.3	1.2
113°	1.4	1.3	1.3	1.3	1.3
113.5°	1.4	1.4	1.4	1.5	1.5
114°	1.5	1.5	1.5	1.5	1.5
114.5°	1.6	1.6	1.5	1.5	1.4
115°	1.6	1.6	1.5	1.6	1.5
115.5°	1.8	1.6	1.7	1.7	1.5
116°	1.7	1.8	1.8	1.7	1.7
116.5°	1.8	1.8	1.8	1.8	1.8
117°	1.9	1.9	1.9	1.9	1.7
117.5°	2.0	1.9	2.0	1.9	1.8
118°	2.0	2.0	2.1	2.0	1.9
118.5°	2.2	2.1	2.1	2.0	2.0
119°	2.2	2.2	2.2	2.1	2.1
119.5°	2.2	2.2	2.2	2.2	2.1
120°	2.3	2.3	2.3	2.2	2.3
120.5°	2.4	2.3	2.4	2.3	2.3
121°	2.4	2.4	2.4	2.4	2.3
121.5°	2.7	2.6	2.5	2.4	2.4
122°	2.5	2.7	2.6	2.5	2.6
122.5°	2.7	2.7	2.6	2.6	2.5
123°	2.8	2.8	2.7	2.7	2.6
123.5°	2.8	2.9	2.7	2.6	2.7
124°	2.8	2.9	2.8	2.7	2.7
124.5°	3.0	2.9	2.8	2.8	2.8
125°	3.1	3.0	2.9	2.9	2.9
125.5°	3.1	3.0	2.9	2.9	2.9
126°	3.1	3.0	2.9	2.9	2.9
126.5°	3.0	3.0	3.1	2.9	3.0
127°	3.1	3.1	3.0	2.9	2.9
127.5°	3.2	3.1	3.1	2.9	2.9
128°	3.2	3.0	3.0	2.9	3.0
128.5°	3.1	3.1	3.0	2.9	3.0
129°	3.0	3.0	3.0	2.9	2.9
129.5°	3.0	3.0	3.0	2.9	2.9
130°	3.0	3.0	2.9	2.8	2.9
130.5°	3.1	3.0	3.0	2.7	2.9
131°	2.9	2.9	2.9	2.8	2.8
131.5°	3.0	2.9	2.8	2.7	2.8
132°	2.9	2.8	2.8	2.7	2.7
132.5°	2.9	2.8	2.8	2.7	2.8
133°	2.8	2.7	2.7	2.6	2.7
133.5°	2.9	2.7	2.6	2.5	2.7



TEST NUMBER: P#

CATALOG NUMBER: 44ID-90-L950-CFD2

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
135°	2.8	2.6	2.5	2.5	2.7
135.5°	2.6	2.7	2.5	2.4	2.6
136°	2.6	2.5	2.4	2.3	2.6
136.5°	2.6	2.5	2.4	2.3	2.5
137°	2.6	2.5	2.4	2.3	2.5
137.5°	2.5	2.4	2.3	2.2	2.3
138°	2.5	2.3	2.2	2.2	2.3
138.5°	2.5	2.3	2.3	2.1	2.3
139°	2.2	2.3	2.2	2.0	2.3
139.5°	2.3	2.2	2.1	2.1	2.3
140°	2.3	2.1	2.2	2.0	2.1
140.5°	2.3	2.1	2.1	2.0	2.1
141°	2.2	2.1	2.1	1.9	2.0
141.5°	2.0	2.1	2.1	1.9	2.0
142°	2.0	2.0	2.1	2.0	1.9
142.5°	2.0	2.1	2.0	1.9	1.9
143°	2.1	2.0	2.0	2.0	1.9
143.5°	2.1	2.0	2.0	1.9	1.9
144°	2.1	1.9	2.1	1.8	1.9
144.5°	2.0	1.9	2.0	1.9	1.9
145°	2.0	1.9	2.0	1.8	1.9
145.5°	2.0	1.9	1.9	1.8	2.0
146°	2.0	1.9	1.8	1.8	1.9
146.5°	2.0	1.9	1.8	1.8	1.9
147°	2.0	1.9	1.8	1.8	1.8
147.5°	1.9	1.9	1.8	1.8	2.0
148°	2.0	1.9	1.8	1.8	2.0
148.5°	2.0	1.9	1.8	1.8	2.0
149°	2.0	1.9	1.8	1.8	2.0
149.5°	2.1	1.8	1.8	1.8	2.0
150°	2.0	1.9	1.8	1.8	2.0
150.5°	2.0	1.9	1.8	1.8	2.0
151°	2.1	1.9	1.8	1.8	2.1
151.5°	2.0	1.9	1.8	1.8	2.1
152°	2.1	1.9	1.9	1.9	2.0
152.5°	2.1	2.0	1.8	1.9	2.1
153°	2.0	1.9	1.9	2.0	2.1
153.5°	2.2	2.0	1.8	1.9	2.1
154°	2.1	2.0	1.9	1.9	2.1
154.5°	2.1	1.9	1.9	2.0	2.1
155°	2.0	2.0	2.0	2.0	2.2
155.5°	2.1	1.9	1.9	2.0	2.1
156°	2.0	2.0	2.0	2.0	2.1



TEST NUMBER: P#

CATALOG NUMBER: 44ID-90-L950-CFD2

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
157.5°	2.0	1.9	1.9	2.0	2.1
158°	2.1	2.0	1.9	2.0	2.1
158.5°	2.0	2.0	1.9	2.0	2.1
159°	2.1	2.0	1.9	2.0	2.2
159.5°	2.0	1.9	1.9	2.0	2.2
160°	2.0	2.0	1.9	2.0	2.1
160.5°	2.0	1.9	1.9	2.0	2.1
161°	2.0	1.9	1.9	2.0	2.1
161.5°	2.0	2.0	1.9	1.9	2.0
162°	2.0	1.9	2.0	2.0	2.0
162.5°	2.1	2.0	2.0	2.0	2.1
163°	2.1	2.0	2.0	2.0	2.0
163.5°	2.0	2.0	2.0	2.0	2.2
164°	2.0	2.0	2.0	2.1	2.1
164.5°	1.9	2.1	2.0	2.1	2.2
165°	2.0	2.0	1.9	2.1	2.1
165.5°	1.9	2.0	1.9	2.2	2.1
166°	2.0	2.0	2.0	2.1	2.1
166.5°	2.0	2.0	1.9	2.2	2.0
167°	2.0	2.1	2.0	2.2	2.2
167.5°	2.0	2.1	2.0	2.3	2.2
168°	2.1	2.1	2.0	2.2	2.1
168.5°	2.0	2.2	2.1	2.4	2.2
169°	2.2	2.1	2.0	2.4	2.2
169.5°	2.1	2.1	2.0	2.3	2.2
170°	2.2	2.1	2.1	2.4	2.2
170.5°	2.2	2.2	2.1	2.4	2.3
171°	2.2	2.2	2.2	2.4	2.3
171.5°	2.1	2.2	2.2	2.5	2.2
172°	2.1	2.2	2.2	2.5	2.3
172.5°	2.2	2.2	2.3	2.5	2.3
173°	2.1	2.1	2.3	2.5	2.3
173.5°	2.3	2.2	2.3	2.4	2.4
174°	2.3	2.3	2.5	2.5	2.3
174.5°	2.3	2.5	2.5	2.6	2.5
175°	2.5	2.5	2.5	2.6	2.4
175.5°	2.5	2.5	2.6	2.5	2.5
176°	2.6	2.6	2.5	2.5	2.5
176.5°	2.7	2.5	2.6	2.3	2.5
177°	2.6	2.5	2.4	2.3	2.5
177.5°	2.6	2.5	2.3	2.3	2.5
178°	2.5	2.4	2.3	2.3	2.3
178.5°	2.4	2.3	2.2	2.2	2.2



TEST NUMBER: P#

CATALOG NUMBER: 44ID-90-L950-CFD2

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	2.1	2.1	2.1	2.1	2.1



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







21.5°	2192.1	2189.4	2178.7	2168.6	2164.3
22°	2191.0	2188.3	2177.1	2167.0	2162.7



44°	1962.2	1954.2	1938.2	1928.6	1922.2
44.5°	1949.9	1941.4	1926.4	1916.3	1909.9



66.5°	1048.0	1043.8	1035.8	1033.1	1030.4
67°	1021.9	1017.1	1009.6	1007.0	1004.8



89°	15.6	15.3	15.1	15.9	16.2
89.5°	6.9	7.0	6.8	7.3	7.2



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



134°	2.7	2.7	2.6	2.6	2.7
134.5°	2.8	2.6	2.6	2.5	2.6



156.5°	2.1	1.9	2.0	2.0	2.1
157°	2.0	1.9	2.0	2.0	2.1



179°	2.3	2.2	2.1	2.2	2.3
179.5°	2.0	2.1	2.1	2.0	2.2





TEST NUMBER: P#
 CATALOG NUMBER: 44ID-90-L950-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	14.61	16.31	14.98	16.63	16.95	14.53	16.23	14.90	16.55	16.86
	3H	16.41	17.95	16.79	18.28	18.64	16.33	17.87	16.71	18.20	18.56
	4H	17.04	18.49	17.44	18.84	19.22	16.95	18.41	17.35	18.76	19.14
	6H	17.45	18.80	17.86	19.17	19.56	17.37	18.72	17.78	19.09	19.48
	8H	17.56	18.85	17.98	19.24	19.64	17.48	18.77	17.90	19.16	19.56
	12H	17.59	18.83	18.02	19.21	19.64	17.52	18.75	17.95	19.14	19.57
4H	2H	15.24	16.70	15.64	17.04	17.42	15.17	16.63	15.57	16.98	17.35
	3H	17.24	18.46	17.65	18.86	19.27	17.17	18.40	17.58	18.79	19.20
	4H	17.98	19.09	18.42	19.51	19.94	17.92	19.02	18.35	19.44	19.88
	6H	18.51	19.48	18.96	19.92	20.37	18.44	19.41	18.89	19.85	20.31
	8H	18.65	19.56	19.11	20.00	20.47	18.59	19.49	19.05	19.94	20.40
	12H	18.72	19.54	19.20	20.01	20.48	18.66	19.48	19.14	19.95	20.42
8H	4H	18.26	19.17	18.72	19.61	20.08	18.20	19.11	18.66	19.55	20.02
	6H	18.88	19.63	19.37	20.12	20.60	18.82	19.57	19.31	20.06	20.54
	8H	19.07	19.75	19.58	20.25	20.74	19.02	19.69	19.52	20.20	20.69
	12H	19.19	19.79	19.69	20.28	20.84	19.14	19.74	19.65	20.23	20.79
12H	4H	18.29	19.11	18.77	19.58	20.05	18.23	19.05	18.71	19.52	19.99
	6H	18.91	19.59	19.42	20.10	20.59	18.85	19.53	19.36	20.04	20.53
	8H	19.15	19.75	19.66	20.24	20.80	19.10	19.70	19.61	20.19	20.75