

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-70-L830-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-70-L830-CFD2
Description: 7000 LUMEN 4X4 IN DEPTH LED LUMINAIRE, WITH DROPPED 2IN CUBE LENS
AND 3000K CCT, 80CRI LEDS
Light Source: -
Ballast/Driver:
Luminaire Equipment: Sample No. Condition Description

Summary

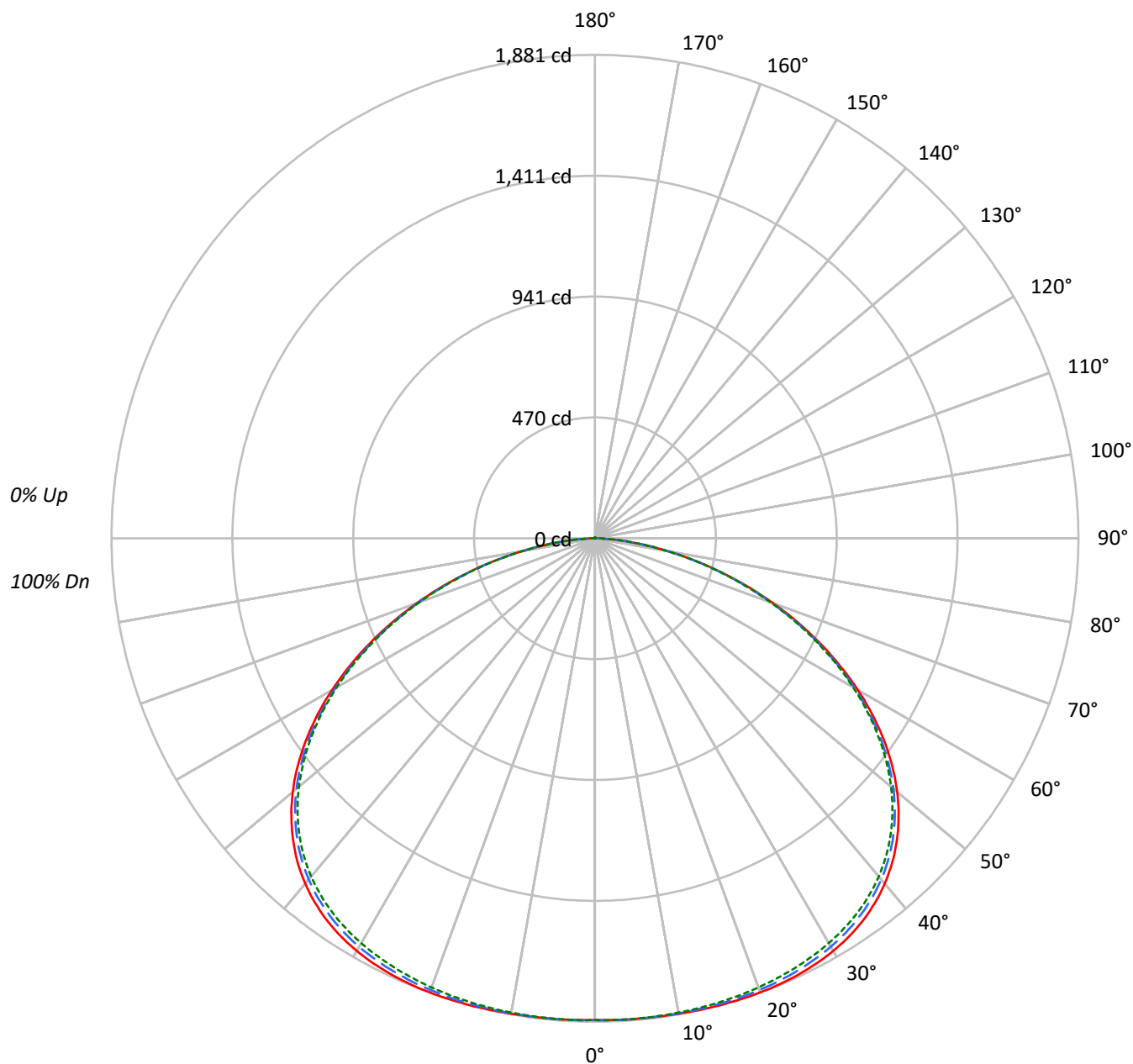
Lumens per Lamp: N/A
Luminaire Lumens: 6789.0 lumens
Efficiency: N/A
Efficacy: 124.3 lumens/watt
Spacing Criteria (0/90/45): 1.48 / 1.45 / 1.57
Luminous Opening: Rectangular w/ Sides (W: 3.88' x L: 3.88' x H: 0.17')
CIE Type: Direct

Input Watts (W): 54.6
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-70-L830-CFD2

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 44ID-70-L830-CFD2

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
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°	1338	1338	1338
5°	1340	1338	1340
10°	1352	1346	1348
15°	1374	1364	1366
20°	1407	1390	1391
25°	1446	1424	1424
30°	1491	1462	1463
35°	1537	1501	1505
40°	1578	1536	1545
45°	1608	1562	1575
50°	1622	1570	1589
55°	1611	1554	1579
60°	1570	1508	1542
65°	1495	1428	1471
70°	1376	1305	1355
75°	1201	1129	1188
80°	954	885	947
85°	592	534	606



TEST NUMBER: P#

CATALOG NUMBER: 44ID-70-L830-CFD2

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	179.2	2.6
10°-20°	531.4	7.8
20°-30°	859.1	12.7
30°-40°	1125.2	16.6
40°-50°	1265.6	18.6
50°-60°	1211.1	17.8
60°-70°	944.5	13.9
70°-80°	532.3	7.8
80°-90°	131.7	1.9
90°-100°	0.5	0.0
100°-110°	0.8	0.0
110°-120°	1.4	0.0
120°-130°	2.2	0.0
130°-140°	1.7	0.0
140°-150°	1.0	0.0
150°-160°	0.8	0.0
160°-170°	0.5	0.0
170°-180°	0.2	0.0
0°-30°	1569.6	23.1
0°-40°	2694.8	39.7
0°-60°	5171.5	76.2
0°-90°	6780.0	99.9
90°-120°	2.6	0.0
90°-150°	7.5	0.1
90°-180°	9.0	0.1
0°-180°	6789.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1875	1875	1875	1875	1875	
5°	1877	1877	1877	1877	1876	179
15°	1881	1880	1876	1872	1869	533
25°	1873	1870	1858	1848	1844	866
35°	1816	1810	1795	1784	1779	1137
45°	1661	1654	1641	1633	1627	1280
55°	1374	1366	1357	1351	1347	1224
65°	966	963	955	953	951	954
75°	505	505	502	501	500	536
85°	108	109	110	111	110	125
90°	1	1	1	1	1	5
95°	0	0	0	0	0	0
105°	1	1	1	1	1	1
115°	1	1	1	1	1	1
125°	3	3	2	2	2	2
135°	2	2	2	2	2	2
145°	2	2	2	2	2	1
155°	2	2	2	2	2	1
165°	2	2	2	2	2	0
175°	2	2	2	2	2	0
180°	2	2	2	2	2	



TEST NUMBER: P#

CATALOG NUMBER: 44ID-70-L830-CFD2

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1874.9	1874.9	1874.9	1874.9	1874.9
0.5°	1874.5	1875.8	1876.3	1875.8	1874.9
1°	1874.9	1875.8	1876.3	1876.3	1875.4
1.5°	1875.4	1876.3	1876.3	1876.3	1875.8
2°	1875.4	1876.3	1876.3	1876.8	1875.8
2.5°	1875.8	1876.8	1876.8	1876.8	1875.8
3°	1876.3	1876.8	1876.8	1876.8	1876.3
3.5°	1876.3	1876.8	1876.8	1876.8	1876.3
4°	1876.8	1876.8	1876.8	1876.8	1876.3
4.5°	1876.8	1877.2	1876.8	1876.8	1876.3
5°	1876.8	1877.2	1876.8	1876.8	1876.3
5.5°	1876.8	1877.2	1876.8	1876.8	1876.3
6°	1877.2	1877.2	1876.8	1876.8	1875.8
6.5°	1877.2	1877.7	1877.2	1876.8	1875.8
7°	1877.2	1877.7	1876.8	1876.8	1875.8
7.5°	1877.2	1877.7	1876.8	1876.3	1875.4
8°	1877.7	1877.7	1877.2	1876.3	1875.4
8.5°	1877.7	1878.1	1876.8	1876.3	1874.9
9°	1878.1	1878.1	1877.2	1875.8	1874.9
9.5°	1878.1	1878.6	1876.8	1875.8	1874.5
10°	1878.6	1878.6	1876.8	1875.4	1874.0
10.5°	1879.0	1879.0	1876.8	1875.4	1874.0
11°	1879.0	1879.0	1876.8	1874.9	1873.6
11.5°	1879.5	1879.5	1876.8	1874.5	1873.1
12°	1879.5	1879.5	1876.8	1874.5	1872.6
12.5°	1880.0	1879.5	1876.3	1874.0	1872.2
13°	1880.0	1879.5	1876.3	1873.6	1871.7
13.5°	1880.4	1880.0	1876.3	1873.1	1871.3
14°	1880.4	1880.0	1876.3	1872.6	1870.4
14.5°	1880.9	1880.0	1875.8	1872.2	1869.9
15°	1880.9	1880.4	1875.8	1871.7	1869.4
15.5°	1881.3	1880.4	1875.4	1870.8	1868.5
16°	1880.9	1880.4	1874.9	1870.4	1867.6
16.5°	1881.3	1880.4	1874.9	1869.4	1866.7
17°	1881.3	1880.0	1874.5	1868.5	1866.2
17.5°	1881.3	1880.0	1873.6	1868.1	1865.3
18°	1881.3	1880.0	1873.1	1867.2	1863.9
18.5°	1881.3	1879.5	1872.6	1866.2	1863.0
19°	1880.9	1879.5	1872.2	1865.3	1862.1
19.5°	1880.9	1879.0	1871.3	1863.9	1860.7
20°	1880.4	1878.6	1870.4	1863.0	1859.8
20.5°	1880.0	1878.1	1869.9	1862.1	1858.5
21°	1880.0	1877.7	1869.0	1860.7	1857.1



TEST NUMBER: P#

CATALOG NUMBER: 44ID-70-L830-CFD2

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
22.5°	1878.1	1875.4	1865.8	1856.6	1852.5
23°	1877.2	1874.5	1864.4	1855.3	1851.1
23.5°	1876.3	1873.6	1863.0	1853.4	1849.3
24°	1875.4	1872.6	1861.7	1851.6	1847.5
24.5°	1874.5	1871.3	1860.3	1849.8	1845.7
25°	1873.1	1869.9	1858.5	1847.9	1843.8
25.5°	1871.7	1868.5	1856.6	1846.1	1841.5
26°	1870.4	1867.2	1854.8	1844.3	1839.7
26.5°	1869.0	1865.3	1853.0	1842.0	1837.4
27°	1867.2	1863.5	1850.7	1839.7	1835.1
27.5°	1865.3	1861.7	1848.4	1837.4	1832.9
28°	1863.5	1859.4	1846.1	1835.1	1830.6
28.5°	1861.2	1857.1	1843.8	1832.4	1827.8
29°	1858.9	1854.8	1841.1	1829.7	1825.1
29.5°	1856.6	1852.1	1838.3	1826.9	1821.9
30°	1853.9	1849.3	1835.1	1823.7	1818.7
30.5°	1851.1	1846.6	1831.9	1820.5	1815.9
31°	1847.9	1843.4	1828.7	1817.3	1812.3
31.5°	1845.2	1840.2	1825.1	1814.1	1809.1
32°	1841.5	1836.5	1821.9	1810.4	1805.4
32.5°	1837.9	1832.9	1817.8	1806.3	1801.3
33°	1834.2	1828.7	1813.6	1802.7	1797.2
33.5°	1830.1	1824.6	1809.5	1798.6	1793.1
34°	1825.5	1820.0	1805.0	1794.0	1789.0
34.5°	1821.0	1815.5	1800.4	1789.4	1784.4
35°	1816.4	1810.4	1795.4	1784.4	1779.3
35.5°	1811.4	1805.4	1790.3	1779.3	1774.3
36°	1806.3	1799.9	1784.8	1774.3	1768.8
36.5°	1800.4	1794.4	1779.3	1768.8	1763.8
37°	1794.4	1788.5	1773.4	1762.9	1757.9
37.5°	1788.5	1782.1	1767.5	1756.9	1751.5
38°	1782.1	1776.1	1761.1	1751.0	1745.5
38.5°	1775.7	1769.3	1754.2	1744.1	1739.1
39°	1768.8	1762.0	1747.3	1737.7	1732.2
39.5°	1761.5	1754.7	1740.5	1730.4	1725.4
40°	1753.7	1747.3	1732.7	1723.1	1718.1
40.5°	1746.4	1739.6	1724.9	1715.8	1710.3
41°	1738.2	1731.3	1717.2	1707.6	1702.1
41.5°	1729.5	1722.6	1708.5	1699.3	1693.8
42°	1720.8	1714.0	1699.8	1691.1	1685.1
42.5°	1711.7	1704.8	1690.6	1681.9	1676.5
43°	1702.5	1695.2	1681.5	1672.8	1667.3
43.5°	1692.9	1685.6	1671.9	1663.2	1657.7



TEST NUMBER: P#

CATALOG NUMBER: 44ID-70-L830-CFD2

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
45°	1661.4	1654.0	1640.8	1633.0	1627.1
45.5°	1650.4	1642.6	1629.8	1622.0	1616.6
46°	1639.0	1631.2	1618.4	1610.6	1605.1
46.5°	1627.1	1619.3	1606.9	1599.2	1593.7
47°	1614.7	1607.4	1594.6	1587.7	1581.8
47.5°	1602.4	1594.6	1582.3	1575.4	1569.4
48°	1590.0	1581.8	1569.9	1562.6	1556.6
48.5°	1576.8	1569.0	1557.1	1550.2	1544.8
49°	1562.6	1555.3	1543.4	1536.1	1531.0
49.5°	1548.9	1541.6	1529.7	1522.8	1517.3
50°	1534.7	1526.9	1515.9	1509.1	1503.6
50.5°	1520.1	1512.3	1501.3	1494.5	1489.4
51°	1505.4	1497.7	1486.7	1479.8	1474.3
51.5°	1489.9	1482.1	1471.1	1464.7	1459.7
52°	1474.3	1466.6	1455.6	1449.6	1444.6
52.5°	1458.8	1451.0	1440.0	1433.6	1429.1
53°	1441.9	1434.5	1424.5	1418.5	1413.5
53.5°	1424.9	1417.6	1407.6	1401.6	1397.0
54°	1408.0	1400.7	1390.6	1384.7	1380.6
54.5°	1391.6	1383.8	1374.2	1368.2	1364.1
55°	1373.7	1366.4	1356.8	1350.9	1346.7
55.5°	1355.9	1348.6	1339.0	1333.0	1329.4
56°	1337.1	1330.3	1320.7	1315.6	1312.0
56.5°	1318.4	1312.0	1302.4	1297.4	1293.7
57°	1300.1	1293.2	1284.1	1279.5	1275.9
57.5°	1281.8	1274.5	1265.3	1260.8	1257.1
58°	1261.7	1254.8	1246.1	1241.6	1238.4
58.5°	1242.0	1235.6	1226.5	1222.4	1219.2
59°	1222.4	1216.0	1207.3	1203.2	1200.0
59.5°	1201.8	1195.8	1187.1	1183.0	1179.8
60°	1181.7	1175.3	1167.0	1163.4	1160.2
60.5°	1161.1	1155.6	1146.9	1143.2	1140.0
61°	1140.0	1134.6	1126.3	1122.7	1119.5
61.5°	1118.6	1114.0	1105.7	1102.1	1099.3
62°	1097.5	1092.9	1084.7	1081.5	1078.8
62.5°	1076.0	1071.5	1063.2	1060.0	1057.3
63°	1054.5	1050.0	1042.2	1039.0	1036.2
63.5°	1032.6	1028.0	1020.7	1017.5	1014.7
64°	1010.6	1006.1	998.3	996.0	992.8
64.5°	988.7	984.1	976.3	974.0	971.3
65°	966.3	962.6	955.3	952.6	950.7
65.5°	944.3	939.7	932.9	930.6	927.9
66°	921.0	917.3	910.5	908.2	906.4



TEST NUMBER: P#

CATALOG NUMBER: 44ID-70-L830-CFD2

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	853.3	849.2	843.3	841.0	838.7
68°	830.0	826.3	820.4	818.6	816.3
68.5°	806.7	803.0	797.1	795.7	794.3
69°	783.4	779.7	774.7	773.3	771.5
69.5°	760.5	756.8	752.3	750.9	748.6
70°	737.2	734.0	729.4	728.0	725.7
70.5°	713.8	710.6	706.5	705.2	702.9
71°	690.5	687.8	684.1	682.3	680.0
71.5°	667.7	664.9	660.8	659.4	657.6
72°	644.3	642.0	637.9	637.0	634.7
72.5°	621.0	619.2	615.1	614.2	612.3
73°	597.7	595.9	591.7	590.8	589.5
73.5°	574.8	573.0	569.3	568.0	566.6
74°	552.0	550.6	546.9	546.0	544.2
74.5°	528.6	527.7	524.5	523.1	521.8
75°	505.3	505.3	502.1	501.2	499.8
75.5°	482.9	482.9	479.7	478.8	477.4
76°	460.5	460.5	457.3	456.4	454.6
76.5°	437.9	438.0	435.3	434.4	432.9
77°	416.2	416.4	413.9	412.7	411.2
77.5°	393.0	394.1	392.1	391.0	389.5
78°	371.4	372.7	370.7	369.8	368.5
78.5°	351.0	351.8	350.5	349.5	347.7
79°	329.6	330.3	329.4	328.5	326.8
79.5°	308.6	309.7	309.1	308.3	306.3
80°	288.4	289.2	289.4	288.1	286.3
80.5°	267.2	268.9	269.2	267.9	267.0
81°	247.6	249.2	249.6	248.9	247.6
81.5°	228.3	230.2	230.6	230.2	228.5
82°	208.9	211.2	211.9	211.6	209.8
82.5°	190.5	193.0	193.8	193.5	191.8
83°	172.5	175.3	176.0	176.2	174.7
83.5°	155.2	157.9	158.7	159.0	157.3
84°	138.6	140.9	142.0	142.5	141.1
84.5°	122.7	124.7	126.0	126.6	125.9
85°	107.8	109.2	110.4	111.3	110.3
85.5°	93.4	94.5	95.4	96.7	95.9
86°	79.9	81.0	81.7	82.7	82.7
86.5°	67.1	67.6	68.1	69.3	69.3
87°	54.9	54.9	55.1	56.6	56.7
87.5°	42.3	42.7	42.9	44.2	44.7
88°	29.9	30.9	31.2	32.4	32.3
88.5°	21.1	21.1	21.1	22.3	22.6



TEST NUMBER: P#

CATALOG NUMBER: 44ID-70-L830-CFD2

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	1.0	1.0	1.0	1.1	1.0
90.5°	0.3	0.3	0.3	0.4	0.3
91°	0.3	0.3	0.3	0.3	0.3
91.5°	0.4	0.3	0.4	0.3	0.2
92°	0.3	0.3	0.3	0.4	0.3
92.5°	0.4	0.3	0.3	0.4	0.3
93°	0.4	0.4	0.4	0.3	0.3
93.5°	0.4	0.3	0.4	0.4	0.4
94°	0.4	0.4	0.4	0.4	0.5
94.5°	0.4	0.4	0.4	0.4	0.4
95°	0.4	0.3	0.4	0.4	0.5
95.5°	0.4	0.4	0.5	0.4	0.5
96°	0.5	0.5	0.4	0.4	0.5
96.5°	0.5	0.5	0.5	0.4	0.5
97°	0.5	0.5	0.5	0.4	0.5
97.5°	0.5	0.5	0.5	0.4	0.5
98°	0.6	0.5	0.5	0.5	0.6
98.5°	0.6	0.5	0.5	0.5	0.5
99°	0.5	0.5	0.5	0.5	0.5
99.5°	0.6	0.5	0.5	0.5	0.5
100°	0.6	0.5	0.5	0.5	0.6
100.5°	0.6	0.6	0.5	0.6	0.6
101°	0.6	0.5	0.5	0.5	0.5
101.5°	0.7	0.5	0.6	0.6	0.6
102°	0.7	0.6	0.6	0.6	0.6
102.5°	0.6	0.6	0.6	0.6	0.6
103°	0.6	0.5	0.6	0.6	0.6
103.5°	0.7	0.7	0.6	0.6	0.6
104°	0.8	0.7	0.7	0.6	0.6
104.5°	0.7	0.7	0.7	0.7	0.6
105°	0.8	0.7	0.7	0.8	0.8
105.5°	0.8	0.6	0.7	0.7	0.7
106°	0.7	0.7	0.8	0.8	0.8
106.5°	0.8	0.7	0.8	0.7	0.7
107°	0.8	0.8	0.8	0.8	0.7
107.5°	0.9	0.8	0.8	0.9	0.8
108°	0.9	0.8	0.7	0.9	0.8
108.5°	0.9	0.9	0.9	0.8	0.8
109°	0.9	0.9	0.9	0.9	0.9
109.5°	1.0	0.8	1.0	0.9	0.8
110°	0.9	0.9	0.9	1.0	0.9
110.5°	1.0	0.9	1.0	1.0	1.0
111°	1.0	1.0	1.0	1.0	1.0



TEST NUMBER: P#

CATALOG NUMBER: 44ID-70-L830-CFD2

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.1	1.1	1.2	1.1	1.1
113°	1.2	1.1	1.1	1.1	1.1
113.5°	1.2	1.2	1.2	1.3	1.3
114°	1.3	1.3	1.3	1.3	1.3
114.5°	1.4	1.4	1.3	1.3	1.2
115°	1.4	1.4	1.3	1.4	1.3
115.5°	1.5	1.4	1.5	1.4	1.3
116°	1.5	1.5	1.5	1.5	1.4
116.5°	1.6	1.6	1.6	1.6	1.5
117°	1.6	1.6	1.6	1.6	1.5
117.5°	1.7	1.6	1.7	1.6	1.6
118°	1.7	1.7	1.8	1.7	1.6
118.5°	1.9	1.8	1.8	1.7	1.7
119°	1.9	1.9	1.9	1.8	1.8
119.5°	1.9	1.9	1.9	1.9	1.8
120°	2.0	2.0	2.0	1.9	2.0
120.5°	2.1	2.0	2.1	2.0	2.0
121°	2.1	2.1	2.1	2.1	2.0
121.5°	2.3	2.2	2.1	2.1	2.1
122°	2.1	2.3	2.2	2.1	2.2
122.5°	2.3	2.3	2.2	2.2	2.1
123°	2.4	2.4	2.3	2.3	2.2
123.5°	2.4	2.5	2.3	2.2	2.3
124°	2.4	2.5	2.4	2.3	2.3
124.5°	2.6	2.5	2.4	2.4	2.4
125°	2.7	2.6	2.5	2.5	2.5
125.5°	2.7	2.6	2.5	2.5	2.5
126°	2.7	2.6	2.5	2.5	2.5
126.5°	2.6	2.6	2.7	2.5	2.6
127°	2.7	2.7	2.6	2.5	2.5
127.5°	2.7	2.7	2.7	2.5	2.5
128°	2.7	2.6	2.6	2.5	2.6
128.5°	2.7	2.7	2.6	2.5	2.6
129°	2.6	2.6	2.6	2.5	2.5
129.5°	2.6	2.6	2.6	2.5	2.5
130°	2.6	2.6	2.5	2.4	2.5
130.5°	2.7	2.6	2.6	2.3	2.5
131°	2.5	2.5	2.5	2.4	2.4
131.5°	2.6	2.5	2.4	2.3	2.4
132°	2.5	2.4	2.4	2.3	2.3
132.5°	2.5	2.4	2.4	2.3	2.4
133°	2.4	2.3	2.3	2.2	2.3
133.5°	2.5	2.3	2.2	2.1	2.3



TEST NUMBER: P#

CATALOG NUMBER: 44ID-70-L830-CFD2

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
135°	2.4	2.2	2.1	2.1	2.3
135.5°	2.2	2.3	2.1	2.1	2.2
136°	2.2	2.1	2.1	2.0	2.2
136.5°	2.2	2.1	2.1	2.0	2.1
137°	2.2	2.1	2.1	2.0	2.1
137.5°	2.1	2.1	2.0	1.9	2.0
138°	2.1	2.0	1.9	1.9	2.0
138.5°	2.1	2.0	2.0	1.8	2.0
139°	1.9	2.0	1.9	1.7	2.0
139.5°	2.0	1.9	1.8	1.8	2.0
140°	2.0	1.8	1.9	1.7	1.8
140.5°	2.0	1.8	1.8	1.7	1.8
141°	1.9	1.8	1.8	1.6	1.7
141.5°	1.7	1.8	1.8	1.6	1.7
142°	1.7	1.7	1.8	1.7	1.6
142.5°	1.7	1.8	1.7	1.6	1.6
143°	1.8	1.7	1.7	1.7	1.6
143.5°	1.8	1.7	1.7	1.6	1.6
144°	1.8	1.6	1.8	1.6	1.6
144.5°	1.7	1.6	1.7	1.6	1.6
145°	1.7	1.6	1.7	1.5	1.6
145.5°	1.7	1.6	1.6	1.5	1.7
146°	1.7	1.6	1.6	1.5	1.6
146.5°	1.7	1.6	1.6	1.5	1.6
147°	1.7	1.6	1.5	1.6	1.6
147.5°	1.6	1.6	1.5	1.6	1.7
148°	1.7	1.6	1.6	1.5	1.7
148.5°	1.7	1.6	1.6	1.5	1.7
149°	1.7	1.6	1.6	1.5	1.7
149.5°	1.8	1.6	1.6	1.5	1.7
150°	1.7	1.6	1.6	1.5	1.7
150.5°	1.7	1.6	1.6	1.6	1.7
151°	1.8	1.6	1.5	1.6	1.8
151.5°	1.7	1.6	1.5	1.6	1.8
152°	1.8	1.6	1.6	1.6	1.7
152.5°	1.8	1.7	1.6	1.6	1.8
153°	1.7	1.6	1.6	1.7	1.8
153.5°	1.9	1.7	1.6	1.6	1.8
154°	1.8	1.7	1.6	1.6	1.8
154.5°	1.8	1.6	1.6	1.7	1.8
155°	1.7	1.7	1.7	1.7	1.9
155.5°	1.8	1.6	1.6	1.7	1.8
156°	1.7	1.7	1.7	1.7	1.8



TEST NUMBER: P#

CATALOG NUMBER: 44ID-70-L830-CFD2

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
157.5°	1.7	1.6	1.6	1.7	1.8
158°	1.8	1.7	1.6	1.7	1.8
158.5°	1.7	1.7	1.6	1.7	1.8
159°	1.8	1.7	1.6	1.7	1.9
159.5°	1.7	1.6	1.6	1.7	1.9
160°	1.7	1.7	1.6	1.7	1.8
160.5°	1.7	1.6	1.6	1.7	1.8
161°	1.7	1.6	1.6	1.7	1.8
161.5°	1.7	1.7	1.6	1.6	1.7
162°	1.7	1.6	1.7	1.7	1.7
162.5°	1.8	1.7	1.7	1.7	1.8
163°	1.8	1.7	1.7	1.7	1.7
163.5°	1.7	1.7	1.7	1.7	1.9
164°	1.7	1.7	1.7	1.8	1.8
164.5°	1.6	1.8	1.7	1.8	1.9
165°	1.7	1.7	1.6	1.8	1.8
165.5°	1.6	1.7	1.6	1.9	1.8
166°	1.7	1.7	1.7	1.8	1.8
166.5°	1.7	1.7	1.6	1.9	1.7
167°	1.7	1.8	1.7	1.9	1.9
167.5°	1.7	1.8	1.7	2.0	1.9
168°	1.8	1.8	1.7	1.9	1.8
168.5°	1.7	1.9	1.8	2.1	1.9
169°	1.9	1.8	1.7	2.1	1.9
169.5°	1.8	1.8	1.7	2.0	1.9
170°	1.9	1.8	1.8	2.1	1.9
170.5°	1.9	1.9	1.8	2.1	2.0
171°	1.9	1.9	1.9	2.1	2.0
171.5°	1.8	1.9	1.9	2.1	1.9
172°	1.8	1.9	1.9	2.1	2.0
172.5°	1.9	1.9	2.0	2.1	2.0
173°	1.8	1.8	2.0	2.1	2.0
173.5°	2.0	1.9	2.0	2.1	2.1
174°	2.0	2.0	2.1	2.1	2.0
174.5°	2.0	2.1	2.1	2.2	2.1
175°	2.1	2.1	2.1	2.2	2.1
175.5°	2.1	2.1	2.2	2.1	2.1
176°	2.2	2.2	2.1	2.1	2.1
176.5°	2.3	2.1	2.2	2.0	2.1
177°	2.2	2.1	2.1	2.0	2.1
177.5°	2.2	2.1	2.0	2.0	2.1
178°	2.1	2.1	2.0	2.0	2.0
178.5°	2.1	2.0	1.9	1.9	1.9



TEST NUMBER: P#

CATALOG NUMBER: 44ID-70-L830-CFD2

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	1.8	1.8	1.8	1.8	1.8



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180° - - 45°-225° - - - 90°-270°







21.5°	1879.5	1877.2	1868.1	1859.4	1855.7
22°	1878.6	1876.3	1866.7	1858.0	1854.3



44°	1682.4	1675.5	1661.8	1653.6	1648.1
44.5°	1671.9	1664.6	1651.8	1643.1	1637.6



66.5°	898.6	894.9	888.1	885.8	883.5
67°	876.2	872.1	865.7	863.4	861.6



89°	13.4	13.1	13.0	13.7	13.9
89.5°	5.9	6.0	5.9	6.3	6.2



111.5°	1.1	1.0	1.1	1.1	1.0
112°	1.1	1.1	1.1	1.1	1.1



134°	2.3	2.3	2.2	2.2	2.3
134.5°	2.4	2.2	2.2	2.1	2.2



156.5°	1.8	1.6	1.7	1.7	1.8
157°	1.7	1.6	1.7	1.7	1.8



179°	2.0	1.9	1.8	1.9	2.0
179.5°	1.7	1.8	1.8	1.7	1.9





TEST NUMBER: P#
CATALOG NUMBER: 44ID-70-L830-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	14.08	15.78	14.45	16.10	16.41	14.00	15.69	14.36	16.01	16.33
	3H	15.88	17.42	16.26	17.75	18.11	15.79	17.33	16.17	17.66	18.02
	4H	16.51	17.96	16.90	18.31	18.69	16.42	17.87	16.82	18.22	18.60
	6H	16.92	18.27	17.33	18.63	19.02	16.84	18.19	17.25	18.55	18.94
	8H	17.02	18.31	17.45	18.70	19.10	16.95	18.24	17.37	18.63	19.03
	12H	17.05	18.29	17.49	18.68	19.11	16.98	18.22	17.41	18.60	19.03
4H	2H	14.71	16.16	15.11	16.51	16.89	14.64	16.09	15.04	16.44	16.82
	3H	16.71	17.93	17.12	18.33	18.73	16.64	17.86	17.05	18.26	18.66
	4H	17.45	18.56	17.88	18.97	19.41	17.38	18.49	17.81	18.90	19.34
	6H	17.97	18.94	18.43	19.38	19.84	17.91	18.88	18.36	19.32	19.77
	8H	18.11	19.02	18.57	19.47	19.93	18.05	18.96	18.51	19.40	19.87
	12H	18.18	19.00	18.66	19.48	19.95	18.12	18.94	18.61	19.42	19.89
8H	4H	17.73	18.64	18.19	19.08	19.55	17.67	18.57	18.13	19.02	19.48
	6H	18.34	19.10	18.84	19.59	20.06	18.28	19.04	18.78	19.53	20.01
	8H	18.53	19.21	19.04	19.72	20.21	18.48	19.16	18.99	19.67	20.15
	12H	18.65	19.25	19.16	19.74	20.30	18.60	19.20	19.11	19.70	20.26
12H	4H	17.75	18.57	18.23	19.05	19.52	17.69	18.51	18.17	18.99	19.46
	6H	18.38	19.06	18.89	19.56	20.05	18.32	19.00	18.83	19.51	19.99
	8H	18.62	19.22	19.12	19.71	20.27	18.56	19.16	19.07	19.66	20.22