

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



Scaled data based on original data using  
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: NEO-RAY

Report Number: P242400

Luminaire Tested: S122RDRP-S865D835-X4F0-XX-UDD-A-W

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-2024  
Report Number: P242400  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1802-639-29)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: NEO-RAY  
Catalog Number: S122RDRP-S865D835-X4F0-XX-UDD-A-W  
Description: DEFINE 2 REGRESSED DIRECT RECESSED WITH ASYMMETRIC FLUSH DIFFUSER  
STANDARD LIGHT ENGINE  
Light Source: (92) 3500K CCT, 80 CRI LEDS  
Ballast/Driver: -

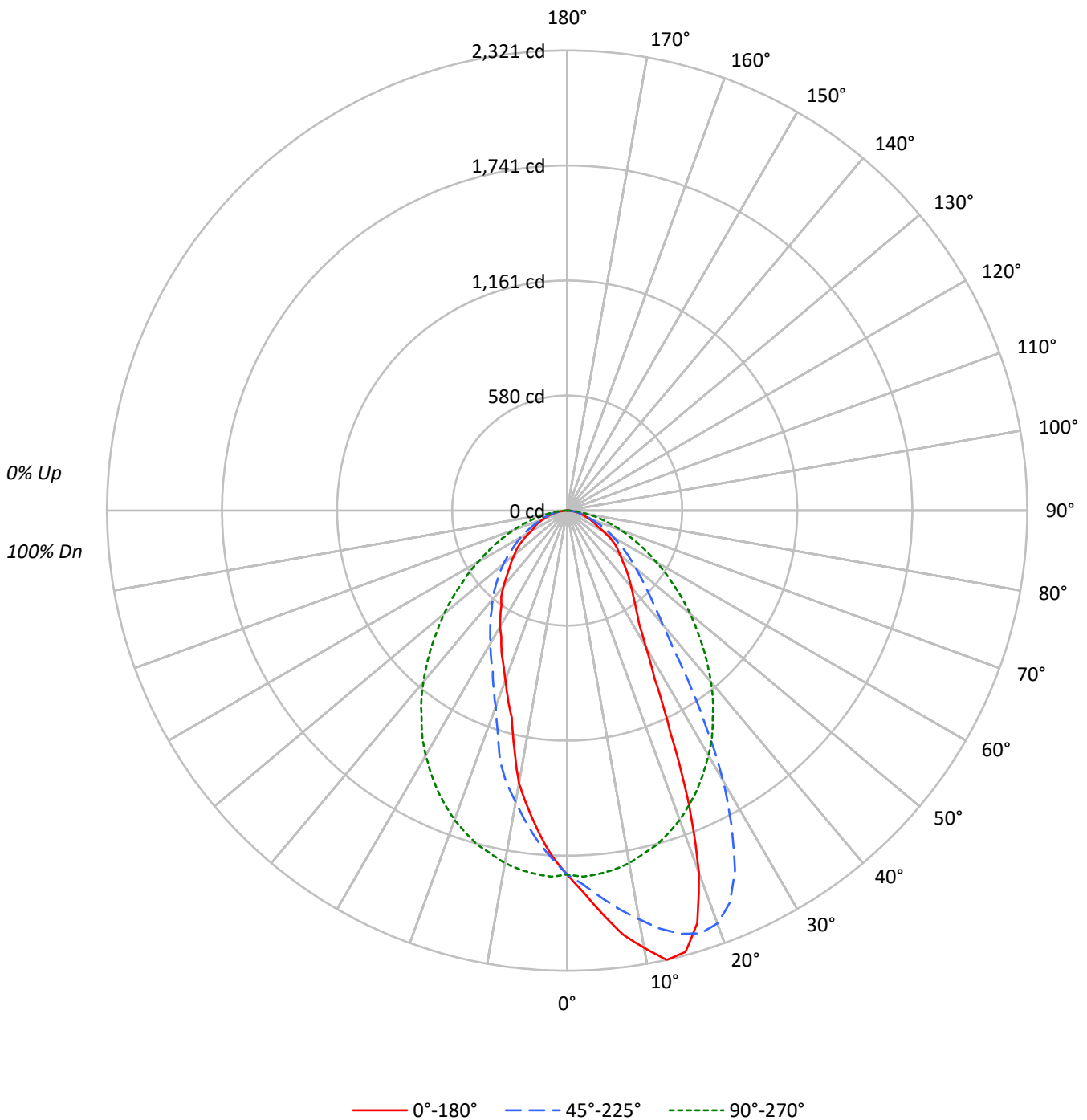
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3171.2 lumens  
Efficiency: N/A  
Efficacy: 91.1 lumens/watt  
Spacing Criteria (0/90/45): 0.85 / 1.16 / 1.02  
Luminous Opening: Rectangular (W 3.88' x L: 0.15' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 34.8  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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: 24 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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	106	103	100	108	104	101	98	100	97	95	96	94	92	93	91	89	87
2	102	95	89	84	100	93	88	83	90	85	81	87	83	80	84	81	78	76
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66
4	87	77	69	63	85	76	68	63	73	67	62	71	66	61	69	64	60	59
5	81	70	62	56	79	69	61	56	67	60	55	65	59	55	63	58	54	52
6	76	64	56	50	74	63	55	50	61	54	49	60	54	49	58	53	49	47
7	71	59	51	45	69	58	50	45	56	50	45	55	49	44	54	48	44	42
8	66	54	46	41	65	53	46	41	52	45	41	51	45	40	50	44	40	39
9	62	50	43	38	61	50	42	37	49	42	37	47	41	37	47	41	37	35
10	59	47	39	35	58	46	39	35	45	39	34	44	38	34	44	38	34	33

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

	0°	45°	90°	135°	180°
0°	34956	34956	34956	34956	34956
5°	39040	37430	35174	32054	31187
10°	43315	40490	34927	28885	27034
15°	45444	43582	34417	25766	21301
20°	39397	44929	33659	21340	18432
25°	25838	42095	32620	18682	16456
30°	17391	34657	31360	17013	14895
35°	14087	25311	29773	15686	13433
40°	12525	18599	28048	14476	12430
45°	11338	15459	26024	13415	11096
50°	10318	13397	24018	12395	10280
55°	9697	11859	21788	11201	9571
60°	8114	10324	19749	10274	8015
65°	6842	9199	17934	9140	7761
70°	6321	7318	16017	8059	7318
75°	5910	6616	13939	7602	6756
80°	5452	6011	11474	6647	6011
85°	5027	5158	9048	5289	5289

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 70°  
 Vertical Angle: 45°  
 Luminance: 37909 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	174.1	5.5
10°-20°	485.9	15.3
20°-30°	625.3	19.7
30°-40°	593.2	18.7
40°-50°	508.3	16.0
50°-60°	387.2	12.2
60°-70°	244.2	7.7
70°-80°	121.9	3.8
80°-90°	31.3	1.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1285.2	40.5
0°-40°	1878.4	59.2
0°-60°	2773.9	87.5
0°-90°	3171.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3171.2	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1835	1835	1835	1835	1835	
5°	2042	1958	1840	1676	1631	201
15°	2304	2210	1745	1307	1080	627
25°	1229	2003	1552	889	783	581
35°	606	1088	1280	675	578	386
45°	421	574	966	498	412	326
55°	292	357	656	337	288	257
65°	152	204	398	203	172	154
75°	80	90	189	103	92	85
85°	23	24	41	24	24	26
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1835.2	1835.2	1835.2	1835.2	1835.2	1835.2	1835.2	1835.2	1835.2	1835.2	1835.2
2.5°	1928.3	1930.2	1932.1	1927.6	1927.6	1923.8	1915.5	1909.1	1891.3	1888.7	1888.7
5°	2041.8	2040.5	2043.1	2034.8	2023.3	2020.7	2008.6	1992.7	1976.1	1957.6	1953.8
7.5°	2156.6	2148.9	2145.7	2149.5	2137.4	2120.8	2100.4	2081.3	2052.6	2029.0	2014.4
10°	2239.5	2260.5	2247.7	2225.4	2229.9	2199.9	2184.0	2156.6	2133.6	2093.4	2084.5
12.5°	2321.1	2326.2	2324.3	2314.1	2305.8	2287.3	2264.3	2241.4	2194.2	2159.1	2122.1
15°	2304.5	2316.6	2319.8	2316.0	2319.2	2317.9	2306.4	2286.6	2249.7	2210.1	2175.7
17.5°	2182.1	2196.1	2207.6	2217.8	2233.7	2265.0	2274.5	2278.4	2263.0	2235.0	2206.3
20°	1943.6	1929.6	1988.2	2018.2	2043.7	2107.5	2162.3	2183.3	2217.1	2216.5	2210.1
22.5°	1605.6	1613.3	1668.1	1705.1	1791.8	1855.6	1920.0	2013.7	2087.1	2141.3	2174.4
25°	1229.4	1253.6	1309.1	1357.6	1440.5	1559.1	1666.8	1791.8	1909.8	2002.9	2091.5
27.5°	956.5	959.7	1010.0	1059.1	1110.2	1212.8	1356.9	1506.8	1675.1	1796.3	1949.3
30°	790.7	786.9	805.4	832.8	874.9	950.1	1052.1	1198.8	1366.5	1575.7	1761.8
32.5°	673.4	674.6	687.4	705.9	739.0	783.7	845.5	957.8	1114.0	1318.7	1545.0
35°	605.8	605.1	615.3	630.0	644.7	677.2	725.0	787.5	896.5	1088.5	1311.7
37.5°	549.7	552.8	557.3	566.9	584.7	603.9	633.8	677.8	760.7	880.0	1080.2
40°	503.7	505.0	512.0	519.7	529.3	543.3	566.9	600.7	657.4	748.0	885.1
42.5°	461.7	462.9	467.4	474.4	481.4	495.5	514.0	542.0	585.4	651.0	758.2
45°	420.9	420.9	425.3	428.5	436.8	449.5	465.5	489.7	521.6	573.9	649.1
47.5°	381.3	381.3	384.5	390.2	396.0	406.2	422.8	443.2	466.1	508.9	575.8
50°	348.2	348.8	350.7	355.2	358.4	367.3	379.4	396.6	420.9	452.1	505.7
52.5°	321.4	320.7	323.3	324.6	326.5	332.2	340.5	355.2	376.2	402.4	444.4
55°	292.0	289.5	293.3	296.5	298.4	301.0	306.1	315.6	334.1	357.1	390.2
57.5°	257.6	256.3	258.3	261.4	267.2	273.6	276.7	283.1	292.7	310.5	345.6
60°	213.0	213.0	218.7	220.6	227.6	236.6	245.5	250.6	260.2	271.0	295.2
62.5°	173.4	174.1	176.0	177.9	181.1	192.6	206.0	218.7	227.6	237.8	251.9
65°	151.8	153.0	153.0	154.3	156.9	159.4	164.5	173.4	189.4	204.1	216.2
67.5°	132.6	132.6	133.3	134.5	135.2	138.4	140.3	144.7	147.9	164.5	181.1
70°	113.5	115.4	114.8	116.1	116.7	118.0	120.5	122.4	128.2	131.4	140.3
72.5°	95.6	96.9	96.9	97.6	99.5	99.5	101.4	103.3	106.5	109.0	112.9
75°	80.3	79.7	80.3	81.6	82.3	82.9	82.9	85.4	87.4	89.9	93.1
77.5°	65.0	65.7	65.7	65.7	65.7	67.0	67.0	68.2	70.1	71.4	73.3
80°	49.7	50.4	49.7	50.4	51.0	51.7	51.0	51.7	53.6	54.8	54.8
82.5°	35.7	35.7	36.3	36.3	36.3	36.3	37.6	37.6	38.9	38.3	38.9
85°	23.0	22.3	22.3	22.3	23.0	23.6	23.0	23.0	23.6	23.6	23.6
87.5°	10.2	10.8	10.8	10.8	10.8	10.8	10.8	11.5	10.8	11.5	10.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1835.2	1835.2	1835.2	1835.2	1835.2	1835.2	1835.2	1835.2	1835.2	1835.2	1835.2
2.5°	1890.0	1884.9	1880.5	1869.0	1863.2	1850.5	1848.6	1847.9	1831.4	1815.4	1810.9
5°	1943.6	1933.4	1918.1	1900.2	1881.7	1862.6	1849.8	1839.6	1814.1	1789.9	1775.9
7.5°	1996.5	1978.0	1953.8	1923.2	1897.0	1866.4	1845.4	1826.3	1791.2	1759.3	1738.3
10°	2057.1	2021.4	1986.3	1939.8	1903.4	1867.7	1834.5	1805.8	1765.0	1719.1	1686.6
12.5°	2094.7	2054.5	2002.9	1957.6	1907.9	1860.0	1812.9	1774.0	1724.2	1676.4	1636.2
15°	2127.9	2085.8	2027.1	1962.1	1901.5	1842.2	1791.2	1745.3	1682.8	1626.0	1578.8
17.5°	2158.5	2100.4	2039.9	1964.6	1897.7	1825.6	1761.2	1703.8	1635.6	1568.6	1515.1
20°	2171.9	2114.5	2041.8	1966.5	1883.6	1795.0	1724.2	1660.5	1585.9	1511.2	1447.5
22.5°	2163.6	2122.1	2039.2	1945.5	1860.0	1766.3	1684.1	1607.5	1522.7	1446.2	1369.7
25°	2120.2	2104.9	2028.4	1930.2	1833.3	1725.5	1633.0	1552.1	1457.7	1376.1	1295.7
27.5°	2040.5	2062.8	2008.6	1902.1	1797.6	1681.5	1580.8	1489.6	1393.3	1302.1	1221.8
30°	1914.2	1990.1	1969.7	1872.8	1752.3	1638.8	1522.1	1425.8	1321.2	1226.9	1147.8
32.5°	1741.4	1879.2	1909.1	1832.0	1706.4	1578.8	1455.1	1359.5	1249.2	1148.4	1071.9
35°	1555.9	1743.4	1829.4	1777.8	1652.8	1518.3	1392.0	1280.4	1170.7	1072.5	996.0
37.5°	1335.9	1585.9	1718.5	1712.7	1593.5	1456.4	1319.3	1209.0	1096.1	999.2	919.5
40°	1122.9	1399.7	1586.5	1627.9	1531.0	1379.9	1240.9	1128.0	1018.3	924.0	829.0
42.5°	931.6	1207.1	1447.5	1527.2	1455.1	1305.3	1165.6	1046.4	940.5	852.5	755.0
45°	784.3	1025.4	1278.5	1407.3	1364.6	1225.6	1078.3	966.1	865.9	788.8	695.7
47.5°	679.1	854.5	1108.9	1277.2	1272.1	1140.1	993.5	885.7	791.3	719.9	640.8
50°	591.7	739.7	946.9	1144.6	1161.2	1054.7	917.0	810.5	723.7	647.9	587.3
52.5°	513.3	628.7	809.8	997.3	1052.1	963.5	830.9	734.6	651.0	582.8	533.1
55°	447.0	541.4	682.9	860.2	931.6	866.6	748.0	656.1	587.9	529.3	484.6
57.5°	389.0	462.9	580.9	729.5	810.5	766.5	665.1	589.2	528.6	473.8	438.1
60°	334.8	392.8	489.1	608.3	700.1	671.5	587.9	518.4	468.7	422.8	389.6
62.5°	283.8	331.6	410.7	501.8	584.1	576.4	512.0	456.6	414.5	373.7	346.9
65°	236.6	272.9	337.3	413.2	480.8	486.5	437.4	397.9	359.0	325.8	301.0
67.5°	195.8	220.6	269.1	336.0	387.7	405.6	372.4	340.5	308.6	281.8	259.5
70°	158.8	177.9	211.1	262.7	309.3	328.4	311.2	287.6	260.8	239.8	221.3
72.5°	121.2	139.6	162.0	196.4	234.7	255.7	252.5	237.2	216.8	200.2	183.0
75°	96.9	102.7	119.2	144.7	176.0	193.8	198.3	189.4	172.2	158.8	148.6
77.5°	75.2	79.1	88.0	103.3	125.0	140.9	147.9	146.7	133.9	125.0	115.4
80°	57.4	59.3	63.1	68.9	84.2	100.1	104.6	104.6	96.3	93.1	83.5
82.5°	40.2	41.4	43.4	45.9	51.0	64.4	69.5	70.8	66.3	61.9	54.8
85°	24.9	24.2	25.5	27.4	28.7	32.5	40.2	41.4	40.2	35.1	33.2
87.5°	10.8	11.5	11.5	10.8	11.5	12.1	15.3	18.5	15.9	14.0	12.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1835.2	1835.2	1835.2	1835.2	1835.2	1835.2	1835.2	1835.2	1835.2	1835.2	1835.2
2.5°	1802.7	1798.2	1789.9	1777.2	1769.5	1756.1	1747.2	1752.3	1753.6	1752.3	1751.0
5°	1760.6	1747.2	1728.7	1710.8	1694.3	1676.4	1666.2	1661.7	1652.8	1647.7	1645.2
7.5°	1712.7	1693.0	1666.8	1638.1	1611.4	1585.9	1574.4	1565.4	1548.9	1539.9	1531.7
10°	1657.9	1621.6	1595.4	1554.6	1529.7	1493.4	1468.5	1469.2	1444.3	1430.3	1420.1
12.5°	1597.3	1556.5	1508.7	1473.0	1436.0	1408.6	1377.3	1362.0	1335.3	1321.9	1290.0
15°	1529.1	1482.6	1436.6	1386.9	1351.8	1306.6	1263.2	1210.3	1167.6	1130.6	1120.4
17.5°	1456.4	1399.0	1353.7	1302.7	1247.9	1165.6	1112.1	1079.6	1054.0	1034.9	1019.6
20°	1381.2	1322.5	1273.4	1185.4	1104.4	1052.8	1015.8	992.2	965.4	944.4	932.9
22.5°	1302.1	1240.2	1168.8	1068.1	1009.4	970.5	938.6	910.6	894.6	879.3	869.1
25°	1228.1	1161.2	1050.9	983.3	932.3	888.9	865.9	849.4	830.2	807.9	797.7
27.5°	1151.0	1044.5	960.9	911.9	859.6	832.1	812.4	785.0	767.7	759.5	748.0
30°	1062.3	955.8	894.0	839.2	804.7	773.5	749.2	735.2	718.6	701.4	694.4
32.5°	963.5	883.8	825.1	781.8	746.7	721.2	703.3	678.5	667.6	658.7	642.1
35°	885.1	820.7	766.5	729.5	696.3	674.6	652.3	638.9	617.3	608.3	602.6
37.5°	813.7	757.5	716.7	675.9	650.4	624.9	612.2	589.8	581.5	567.5	556.0
40°	755.0	700.1	661.3	629.4	600.0	582.2	565.0	547.7	533.7	528.0	513.3
42.5°	695.0	653.0	614.1	578.4	561.1	542.0	519.1	507.6	492.9	482.7	475.1
45°	640.8	601.3	568.2	539.5	517.8	498.0	484.0	462.9	454.6	436.2	428.5
47.5°	593.0	554.8	522.9	494.8	473.1	461.7	441.3	422.8	411.3	398.5	387.7
50°	541.4	510.8	480.2	455.9	436.8	418.3	397.3	389.0	368.6	362.8	357.1
52.5°	494.2	465.5	438.1	414.5	395.3	377.5	359.6	348.2	336.0	330.3	326.5
55°	450.8	422.8	396.0	374.9	355.8	337.3	325.8	312.5	306.1	301.6	296.5
57.5°	406.2	380.7	359.6	338.0	318.8	303.5	289.5	281.8	275.5	270.4	263.4
60°	364.1	339.9	321.4	301.6	281.8	269.7	259.5	250.0	242.3	233.4	230.8
62.5°	319.5	299.1	282.5	263.4	246.8	235.9	226.4	217.4	207.9	193.8	190.0
65°	279.3	262.7	244.9	228.9	213.6	202.8	188.7	178.5	174.7	173.4	172.8
67.5°	242.3	226.4	211.1	194.5	180.5	168.3	160.1	158.8	156.2	155.6	153.7
70°	205.3	190.7	175.4	160.1	146.7	144.7	142.2	139.6	136.5	135.2	133.9
72.5°	172.2	156.9	141.6	130.1	126.3	123.7	121.2	118.6	116.7	115.4	114.8
75°	137.1	123.1	112.9	108.4	105.2	103.3	99.5	97.6	96.3	94.4	93.7
77.5°	104.6	95.6	90.5	88.0	84.2	82.3	79.7	77.8	75.9	75.9	74.6
80°	75.2	71.4	68.2	64.4	63.1	60.6	59.9	58.0	58.7	56.8	56.8
82.5°	54.2	49.1	46.5	45.3	44.0	42.1	41.4	40.8	40.8	39.5	39.5
85°	30.0	28.7	27.4	26.1	26.1	24.2	24.9	24.2	24.2	23.0	22.3
87.5°	12.1	11.5	10.2	10.2	10.2	9.6	9.6	8.9	8.9	8.9	8.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P242400

CATALOG NUMBER: S122RDRP-S865D835-X4F0-XX-UDD-A-W

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°
0°	1835.2	1835.2	1835.2	1835.2
2.5°	1744.0	1745.3	1743.4	1744.6
5°	1642.0	1634.3	1633.0	1631.1
7.5°	1521.5	1520.8	1517.0	1512.5
10°	1406.0	1402.8	1402.2	1397.7
12.5°	1270.9	1246.0	1243.4	1230.7
15°	1105.1	1101.2	1088.5	1080.2
17.5°	1012.6	999.8	995.4	993.5
20°	924.0	912.5	910.6	909.3
22.5°	862.8	850.6	844.9	840.4
25°	791.3	786.9	784.3	783.0
27.5°	735.2	723.7	722.5	719.3
30°	688.7	685.5	681.0	677.2
32.5°	633.8	631.3	627.5	626.2
35°	596.2	587.3	583.5	577.7
37.5°	554.8	549.7	543.3	545.8
40°	505.0	501.8	500.6	499.9
42.5°	465.5	455.3	451.5	451.5
45°	425.3	417.0	411.3	411.9
47.5°	382.0	382.6	378.8	380.0
50°	352.6	348.8	346.2	346.9
52.5°	324.6	321.4	319.5	322.7
55°	293.3	289.5	288.9	288.2
57.5°	259.5	257.6	254.4	252.5
60°	222.5	217.4	211.1	210.4
62.5°	188.7	188.7	188.7	188.7
65°	171.5	170.9	171.5	172.2
67.5°	153.7	152.4	151.1	151.8
70°	132.6	132.0	131.4	131.4
72.5°	112.2	112.2	111.6	111.0
75°	93.1	91.8	91.8	91.8
77.5°	74.6	74.0	73.3	72.7
80°	56.1	55.5	54.8	54.8
82.5°	39.5	38.9	38.9	38.3
85°	23.0	23.6	23.0	24.2
87.5°	8.3	7.7	8.3	7.7
90°	0.0	0.0	0.0	0.0



TEST NUMBER: P242400  
 CATALOG NUMBER: S122RDRP-S865D835-X4F0-XX-UDD-A-W

**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	17.88	19.33	18.25	19.65	19.96	23.78	25.24	24.15	25.55	25.86
	3H	18.99	20.29	19.37	20.62	20.99	24.94	26.24	25.32	26.57	26.93
	4H	19.45	20.67	19.85	21.02	21.40	25.33	26.55	25.74	26.90	27.28
	6H	19.82	20.94	20.23	21.31	21.70	25.60	26.72	26.01	27.09	27.48
	8H	19.94	21.01	20.37	21.40	21.80	25.67	26.74	26.10	27.13	27.53
	12H	20.02	21.04	20.45	21.42	21.85	25.71	26.73	26.14	27.11	27.54
4H	2H	18.59	19.81	19.00	20.16	20.54	23.75	24.96	24.15	25.31	25.69
	3H	19.86	20.87	20.27	21.27	21.67	25.04	26.05	25.45	26.45	26.85
	4H	20.41	21.32	20.85	21.73	22.17	25.54	26.44	25.97	26.86	27.30
	6H	20.89	21.67	21.34	22.11	22.57	25.92	26.71	26.38	27.15	27.61
	8H	21.04	21.78	21.51	22.22	22.69	26.04	26.77	26.50	27.21	27.68
	12H	21.16	21.81	21.65	22.29	22.77	26.11	26.76	26.60	27.24	27.72
8H	4H	20.76	21.49	21.22	21.93	22.40	25.52	26.25	25.99	26.70	27.17
	6H	21.33	21.93	21.83	22.42	22.90	25.95	26.55	26.45	27.04	27.52
	8H	21.55	22.09	22.07	22.60	23.09	26.10	26.64	26.61	27.15	27.64
	12H	21.74	22.21	22.25	22.71	23.27	26.22	26.70	26.73	27.19	27.76
12H	4H	20.80	21.45	21.28	21.93	22.40	25.50	26.15	25.98	26.63	27.10
	6H	21.39	21.93	21.91	22.44	22.93	25.92	26.46	26.44	26.97	27.46
	8H	21.67	22.15	22.18	22.64	23.21	26.10	26.58	26.62	27.07	27.64