

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: P242917

Luminaire Tested: S125RDRP-S1270D835-X4F0-XX-UDD-A-W

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-2024  
Report Number: P242917  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1802-639-32)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: NEO-RAY  
Catalog Number: S125RDRP-S1270D835-X4F0-XX-UDD-A-W  
Description: DEFINE 5 REGRESSED DIRECT RECESSED WITH ASYMMETRIC FLUSH DIFFUSER  
STANDARD LIGHT ENGINE  
Light Source: (92) 3500K CCT, 80 CRI LEDS  
Ballast/Driver: -

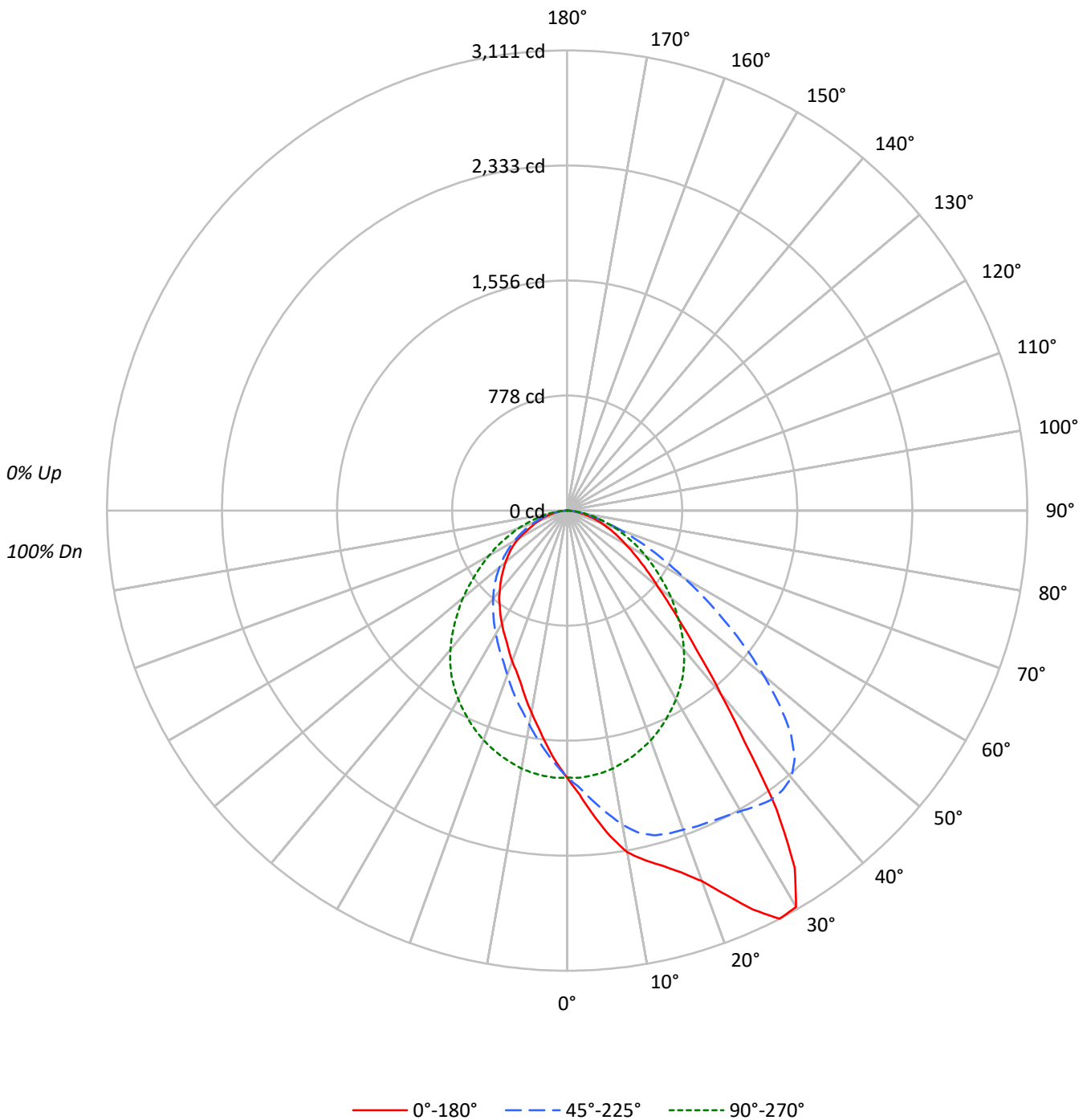
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4676.8 lumens  
Efficiency: N/A  
Efficacy: 113.8 lumens/watt  
Spacing Criteria (0/90/45): 1.4 / 1.21 / 1.48  
Luminous Opening: Rectangular (W 3.88' x L: 0.39' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 41.1  
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	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					100			
1	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86					86			
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	75	73					73			
3	92	83	75	69	90	81	74	69	78	72	67	76	70	66	73	69	65	63					63			
4	85	74	66	59	83	73	65	59	70	63	58	68	62	57	66	61	57	55					55			
5	79	66	58	52	77	65	57	51	63	56	51	61	55	50	60	54	50	48					48			
6	73	60	52	45	71	59	51	45	57	50	45	56	49	44	54	49	44	42					42			
7	68	55	46	40	66	54	46	40	52	45	40	51	44	40	50	44	39	37					37			
8	63	50	42	36	61	49	42	36	48	41	36	47	40	36	46	40	35	34					34			
9	59	46	38	33	58	45	38	33	44	37	32	43	37	32	42	36	32	30					30			
10	55	42	35	30	54	42	35	30	41	34	30	40	34	29	39	33	29	28					28			

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

	0°	45°	90°	135°	180°
0°	12829	12829	12829	12829	12829
5°	14761	14031	12846	11673	11345
10°	16931	15562	12781	10610	10011
15°	18287	16722	12649	9744	8898
20°	20165	17363	12498	8945	8216
25°	23336	18159	12296	8362	7624
30°	25395	19253	12084	7900	7237
35°	21422	20753	11836	7535	6880
40°	14960	21876	11392	7218	6573
45°	11098	21525	10792	6919	6271
50°	8849	19181	10168	6596	6014
55°	7510	16105	9393	6263	5784
60°	6489	13051	8701	5878	5414
65°	5782	10418	7951	5445	4660
70°	5081	7992	7284	4944	4250
75°	4396	5962	6308	4396	3987
80°	3336	4277	5309	3913	3336
85°	2781	3017	4167	3327	3140

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 21525 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	173.1	3.7
10°-20°	507.5	10.9
20°-30°	804.6	17.2
30°-40°	972.3	20.8
40°-50°	865.8	18.5
50°-60°	663.9	14.2
60°-70°	431.1	9.2
70°-80°	209.2	4.5
80°-90°	49.2	1.1
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°	1485.2	31.8
0°-40°	2457.5	52.5
0°-60°	3987.3	85.3
0°-90°	4676.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4676.8	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1805	1805	1805	1805	1805	
5°	2069	1967	1801	1636	1590	206
15°	2485	2273	1719	1324	1209	711
25°	2976	2316	1568	1066	972	1370
35°	2469	2392	1364	868	793	1497
45°	1104	2142	1074	688	624	876
55°	606	1300	758	505	467	549
65°	344	620	473	324	277	342
75°	160	217	230	160	145	170
85°	34	37	51	41	38	41
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°	1805.1	1805.1	1805.1	1805.1	1805.1	1805.1	1805.1	1805.1	1805.1	1805.1	1805.1
2.5°	1922.1	1920.7	1923.6	1915.5	1916.2	1903.6	1903.6	1894.0	1881.4	1871.8	1867.3
5°	2068.9	2070.3	2067.4	2056.3	2048.8	2037.7	2025.1	2002.9	1984.4	1966.6	1952.5
7.5°	2218.5	2220.0	2210.4	2208.2	2188.9	2177.0	2148.9	2120.0	2094.8	2061.4	2037.7
10°	2346.0	2345.2	2334.9	2326.7	2310.4	2289.7	2262.3	2226.7	2193.3	2156.3	2120.7
12.5°	2420.1	2417.9	2416.4	2406.0	2391.2	2373.4	2351.2	2316.3	2273.4	2231.9	2188.9
15°	2485.3	2480.1	2470.5	2457.9	2436.4	2414.9	2389.0	2357.8	2318.6	2272.6	2234.1
17.5°	2563.8	2564.6	2549.8	2536.4	2508.3	2472.7	2434.2	2386.7	2336.4	2289.7	2251.1
20°	2666.1	2663.9	2649.1	2615.0	2581.6	2534.2	2488.3	2426.8	2361.5	2295.6	2244.5
22.5°	2812.8	2806.1	2790.6	2743.2	2686.8	2622.4	2546.1	2467.5	2385.3	2308.2	2237.1
25°	2975.8	2971.4	2941.0	2889.1	2816.5	2722.4	2630.5	2527.5	2414.2	2315.6	2234.1
27.5°	3110.7	3101.8	3074.4	3025.5	2954.3	2852.8	2726.1	2592.7	2457.9	2328.2	2216.3
30°	3094.4	3105.5	3102.5	3082.5	3032.1	2943.2	2828.4	2673.5	2505.3	2346.0	2205.9
32.5°	2861.7	2871.4	2904.7	2958.8	2975.1	2952.9	2874.3	2734.3	2558.7	2371.9	2197.8
35°	2469.0	2482.3	2532.7	2612.0	2715.7	2802.4	2820.2	2743.2	2586.8	2391.9	2189.6
37.5°	1969.6	2056.3	2090.3	2171.1	2334.1	2492.0	2629.0	2660.2	2575.7	2387.5	2180.0
40°	1612.4	1630.2	1705.8	1799.9	1931.8	2097.8	2316.3	2474.2	2479.4	2357.8	2148.9
42.5°	1321.9	1345.6	1391.6	1462.0	1570.2	1736.1	1963.6	2184.5	2303.8	2276.3	2108.1
45°	1104.1	1121.1	1158.9	1216.7	1303.4	1440.5	1634.6	1875.5	2066.6	2141.5	2028.8
47.5°	933.7	942.5	977.4	1024.1	1090.7	1194.5	1352.3	1570.2	1797.7	1949.6	1919.9
50°	800.3	810.6	835.8	869.2	923.3	1007.8	1127.8	1301.9	1538.3	1734.7	1773.9
52.5°	696.5	704.7	718.0	749.1	791.4	851.4	942.5	1095.9	1302.7	1514.6	1618.3
55°	606.1	612.1	624.7	642.4	678.0	724.7	808.4	917.4	1089.3	1299.7	1433.1
57.5°	529.1	532.0	539.4	557.2	583.2	618.0	681.7	781.0	905.5	1103.3	1250.1
60°	456.5	459.4	469.8	480.9	500.2	531.3	578.7	643.2	761.7	918.1	1067.0
62.5°	398.7	400.1	403.1	414.2	430.5	452.7	487.6	537.2	625.4	758.0	896.6
65°	343.8	344.6	346.0	354.9	365.3	383.1	407.5	444.6	515.7	619.5	744.0
67.5°	289.0	290.5	295.7	298.6	311.2	320.1	335.7	365.3	420.1	494.2	595.0
70°	244.5	243.8	249.0	252.7	256.4	267.5	277.1	300.1	331.2	384.6	465.3
72.5°	203.0	200.8	202.3	203.0	208.2	214.9	224.5	236.4	258.6	291.2	348.3
75°	160.1	160.8	160.8	162.3	166.0	168.9	171.9	179.3	192.7	217.1	250.5
77.5°	120.0	118.6	122.3	122.3	125.2	128.9	131.2	134.1	139.3	150.4	170.4
80°	81.5	81.5	82.3	84.5	83.7	85.2	88.9	91.9	98.6	104.5	110.4
82.5°	57.8	57.1	57.8	57.8	57.8	59.3	60.0	60.0	61.5	63.7	67.4
85°	34.1	34.1	34.8	34.8	35.6	35.6	36.3	36.3	36.3	37.0	37.8
87.5°	16.3	15.6	14.8	14.8	15.6	17.0	16.3	15.6	15.6	15.6	16.3
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°	1805.1	1805.1	1805.1	1805.1	1805.1	1805.1	1805.1	1805.1	1805.1	1805.1	1805.1
2.5°	1867.3	1862.1	1852.5	1843.6	1832.5	1822.8	1816.2	1808.0	1797.7	1785.1	1774.7
5°	1937.0	1920.7	1899.2	1880.6	1856.9	1838.4	1819.1	1800.6	1782.1	1758.4	1737.6
7.5°	2014.0	1982.2	1952.5	1914.0	1879.2	1848.8	1819.1	1788.8	1759.9	1727.3	1696.9
10°	2083.7	2042.9	1997.7	1945.9	1898.4	1853.2	1811.7	1771.0	1728.0	1690.2	1649.5
12.5°	2148.9	2093.3	2040.0	1971.0	1911.8	1854.0	1798.4	1745.0	1698.4	1646.5	1602.0
15°	2183.0	2131.1	2073.3	1993.3	1914.0	1847.3	1785.1	1719.1	1662.1	1607.2	1558.3
17.5°	2203.0	2148.1	2081.5	2003.6	1918.4	1835.4	1756.9	1686.5	1621.3	1558.3	1504.2
20°	2194.1	2141.5	2072.6	1999.2	1906.6	1819.1	1732.4	1652.4	1577.6	1510.1	1451.6
22.5°	2172.6	2117.8	2051.8	1973.3	1886.6	1792.5	1698.4	1611.7	1532.4	1462.0	1396.8
25°	2151.1	2077.0	2008.8	1933.3	1849.5	1757.6	1662.1	1567.9	1484.2	1413.1	1343.4
27.5°	2130.4	2040.7	1956.2	1883.6	1793.9	1711.0	1617.6	1520.5	1433.1	1361.2	1290.1
30°	2100.0	1996.2	1900.7	1815.4	1731.7	1653.9	1566.5	1472.4	1382.0	1307.1	1234.5
32.5°	2062.2	1950.3	1842.9	1741.3	1661.3	1584.2	1507.2	1418.3	1330.8	1253.0	1178.9
35°	2031.8	1891.0	1776.9	1672.4	1582.8	1507.9	1436.8	1364.2	1276.0	1196.0	1124.1
37.5°	1989.6	1834.7	1705.8	1591.7	1498.3	1424.2	1367.1	1298.2	1216.0	1138.2	1071.5
40°	1951.8	1772.5	1628.0	1515.3	1416.0	1336.8	1284.1	1227.8	1154.5	1082.6	1015.9
42.5°	1901.4	1715.4	1549.4	1430.9	1330.8	1255.2	1201.9	1154.5	1095.9	1029.2	956.6
45°	1832.5	1638.3	1468.7	1342.7	1241.9	1167.1	1117.4	1073.7	1027.0	964.8	902.5
47.5°	1750.2	1565.0	1386.4	1247.8	1150.8	1080.4	1031.5	995.2	961.1	907.0	844.0
50°	1647.2	1470.1	1296.7	1163.4	1058.1	992.2	947.0	919.6	889.2	841.0	790.6
52.5°	1525.7	1372.3	1203.4	1066.3	968.5	907.7	864.7	837.3	813.6	776.6	729.1
55°	1396.8	1258.2	1102.6	978.9	887.7	825.5	784.0	758.0	743.2	709.9	672.1
57.5°	1250.8	1144.1	1003.3	882.5	800.3	738.0	706.9	683.9	666.9	642.4	614.3
60°	1096.7	1027.0	904.0	790.6	716.5	658.0	630.6	612.1	596.5	576.5	555.7
62.5°	940.3	894.4	791.4	698.0	631.3	584.6	559.5	543.1	524.6	512.8	492.8
65°	804.0	758.8	684.7	608.4	545.4	506.1	487.6	472.8	461.6	446.8	432.7
67.5°	652.8	632.1	577.2	520.2	474.2	436.4	420.1	408.3	395.7	386.8	376.4
70°	515.7	506.8	470.5	435.7	393.5	369.8	354.9	350.5	334.2	325.3	318.6
72.5°	394.2	391.2	374.2	352.7	326.0	306.0	292.7	287.5	278.6	271.9	268.2
75°	286.8	288.2	284.5	269.0	257.9	244.5	232.7	229.7	222.3	216.4	212.7
77.5°	195.6	203.0	201.6	200.8	195.6	186.0	180.8	178.6	170.4	168.2	167.5
80°	124.5	132.6	140.0	139.3	137.8	135.6	131.9	129.7	126.0	123.7	122.3
82.5°	72.6	80.0	86.0	91.1	91.1	88.9	86.7	86.0	86.0	84.5	84.5
85°	39.3	40.8	43.0	48.2	51.9	52.6	51.9	51.1	48.9	49.6	50.4
87.5°	17.0	17.0	17.8	17.8	17.0	20.7	23.0	23.7	22.2	20.7	19.3
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°	1805.1	1805.1	1805.1	1805.1	1805.1	1805.1	1805.1	1805.1	1805.1	1805.1	1805.1
2.5°	1767.3	1756.9	1749.5	1734.7	1724.3	1719.8	1711.7	1709.5	1717.6	1711.7	1711.0
5°	1722.1	1700.6	1683.5	1666.5	1648.0	1636.1	1618.3	1615.4	1610.9	1604.3	1602.8
7.5°	1669.5	1642.8	1622.8	1594.6	1571.6	1553.1	1530.9	1522.0	1517.6	1509.4	1496.1
10°	1616.1	1582.8	1553.1	1525.0	1494.6	1470.1	1447.9	1430.9	1419.7	1409.4	1404.9
12.5°	1563.5	1529.4	1489.4	1453.8	1419.0	1390.8	1365.7	1356.0	1343.4	1330.8	1319.0
15°	1508.7	1463.5	1422.0	1382.7	1353.8	1324.2	1300.4	1284.1	1265.6	1260.4	1240.4
17.5°	1450.1	1407.9	1359.0	1316.7	1284.1	1253.0	1227.1	1207.8	1193.7	1173.7	1164.1
20°	1396.0	1343.4	1296.0	1258.2	1221.2	1182.6	1156.0	1140.4	1127.1	1111.5	1104.1
22.5°	1338.2	1287.1	1238.2	1192.3	1154.5	1116.7	1099.6	1083.3	1067.8	1053.7	1043.3
25°	1281.9	1230.1	1178.9	1133.0	1093.7	1066.3	1044.1	1025.5	1017.4	1003.3	992.9
27.5°	1225.6	1170.8	1118.9	1070.7	1040.4	1012.9	995.2	980.3	964.8	952.2	942.5
30°	1171.5	1115.2	1057.4	1021.1	988.5	962.6	942.5	928.5	917.4	906.2	899.6
32.5°	1117.4	1058.9	1009.2	969.2	938.8	917.4	896.6	883.3	871.4	858.8	850.7
35°	1058.9	999.6	958.1	919.6	889.2	868.4	854.4	835.1	825.5	816.6	808.4
37.5°	1006.3	950.0	904.0	870.7	842.5	822.5	804.0	794.3	781.7	774.3	767.7
40°	947.0	896.6	855.8	820.3	801.0	778.0	761.0	747.7	738.8	728.4	721.0
42.5°	893.6	847.7	808.4	777.3	752.1	733.6	717.3	703.9	692.1	685.4	679.5
45°	844.0	797.3	758.8	729.1	706.9	688.4	671.3	664.7	649.9	641.0	638.0
47.5°	792.1	749.9	712.1	684.7	661.7	644.7	628.4	613.5	606.1	597.2	592.8
50°	739.5	699.5	664.7	638.0	615.8	596.5	581.7	572.8	561.7	553.5	547.6
52.5°	686.9	650.6	615.8	590.6	572.0	552.8	535.7	526.8	516.5	512.0	508.3
55°	637.3	598.0	568.3	543.1	523.1	505.4	489.8	480.9	474.2	469.0	467.6
57.5°	580.2	548.3	520.2	497.9	476.5	459.4	445.3	437.2	431.3	430.5	425.3
60°	524.6	496.5	471.3	446.8	429.0	413.5	401.6	392.0	386.1	385.3	383.8
62.5°	469.0	442.4	419.4	398.7	383.1	368.3	357.2	346.0	343.1	338.6	334.9
65°	414.2	389.8	370.5	353.5	336.4	323.8	312.7	306.0	297.9	293.4	285.3
67.5°	360.1	340.1	321.6	307.5	293.4	280.8	271.2	261.6	255.6	251.9	245.3
70°	306.8	292.0	273.4	257.9	247.5	237.9	230.4	219.3	215.6	212.7	209.7
72.5°	256.4	243.8	229.0	217.1	206.7	197.8	189.0	185.2	181.5	178.6	177.1
75°	209.7	197.1	183.8	174.9	167.5	160.1	155.6	151.9	150.4	149.7	146.7
77.5°	163.0	155.6	144.5	136.3	131.2	128.2	123.7	122.3	123.0	119.3	118.6
80°	117.8	114.1	105.2	102.3	98.6	95.6	93.4	89.7	86.0	84.5	82.3
82.5°	80.0	76.3	74.1	68.9	65.9	64.5	62.2	61.5	63.0	60.8	60.0
85°	46.7	43.0	41.5	40.8	39.3	40.8	40.0	39.3	38.5	37.8	38.5
87.5°	18.5	18.5	17.8	19.3	17.0	17.8	17.8	17.0	17.0	17.0	16.3
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: P242917

CATALOG NUMBER: S125RDRP-S1270D835-X4F0-XX-UDD-A-W

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°
0°	1805.1	1805.1	1805.1	1805.1
2.5°	1710.2	1702.1	1699.8	1702.8
5°	1595.4	1588.0	1591.7	1590.2
7.5°	1498.3	1488.7	1477.5	1480.5
10°	1395.3	1387.9	1383.4	1387.1
12.5°	1308.6	1304.9	1301.2	1298.2
15°	1231.5	1222.6	1218.9	1209.3
17.5°	1157.4	1154.5	1144.8	1138.2
20°	1093.0	1090.0	1080.4	1086.3
22.5°	1039.6	1032.2	1030.7	1027.0
25°	990.0	980.3	976.6	972.2
27.5°	939.6	934.4	929.2	927.7
30°	890.7	885.5	881.8	881.8
32.5°	847.0	843.3	839.5	838.8
35°	804.7	798.8	797.3	792.9
37.5°	760.3	755.1	755.1	755.8
40°	718.0	714.3	713.6	708.4
42.5°	672.8	671.3	668.4	666.9
45°	632.8	627.6	627.6	623.9
47.5°	590.6	586.1	586.9	582.4
50°	548.3	546.1	545.4	543.9
52.5°	506.1	505.4	509.1	505.4
55°	469.0	466.8	471.3	466.8
57.5°	425.3	423.8	428.3	425.3
60°	382.4	377.9	380.1	380.9
62.5°	331.2	329.0	330.5	326.0
65°	283.8	281.6	278.6	277.1
67.5°	246.8	240.1	240.1	241.6
70°	205.3	205.3	204.5	204.5
72.5°	176.4	175.6	174.1	173.4
75°	146.7	147.5	146.0	145.2
77.5°	114.9	111.1	112.6	111.1
80°	82.3	81.5	83.7	81.5
82.5°	60.8	60.0	60.8	59.3
85°	39.3	38.5	37.8	38.5
87.5°	17.0	16.3	16.3	16.3
90°	0.0	0.0	0.0	0.0



TEST NUMBER: P242917  
 CATALOG NUMBER: S125RDRP-S1270D835-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	18.49	20.02	18.85	20.34	20.65	19.47	21.00	19.83	21.32	21.63
	3H	19.62	20.99	20.00	21.32	21.68	20.95	22.32	21.32	22.65	23.01
	4H	20.00	21.29	20.40	21.64	22.02	21.46	22.75	21.86	23.10	23.48
	6H	20.23	21.43	20.65	21.79	22.18	21.81	23.00	22.22	23.37	23.76
	8H	20.29	21.43	20.72	21.82	22.22	21.91	23.04	22.33	23.43	23.83
	12H	20.32	21.41	20.75	21.79	22.22	21.96	23.05	22.39	23.43	23.86
4H	2H	20.08	21.37	20.48	21.72	22.10	20.32	21.61	20.72	21.96	22.33
	3H	21.15	22.22	21.56	22.62	23.02	21.98	23.05	22.39	23.45	23.85
	4H	21.53	22.49	21.96	22.91	23.35	22.56	23.53	23.00	23.94	24.38
	6H	21.79	22.62	22.24	23.06	23.52	22.99	23.83	23.45	24.27	24.73
	8H	21.85	22.63	22.31	23.07	23.54	23.11	23.90	23.58	24.34	24.81
	12H	21.89	22.59	22.37	23.07	23.54	23.20	23.89	23.68	24.37	24.84
8H	4H	21.90	22.68	22.37	23.13	23.60	22.71	23.49	23.18	23.94	24.41
	6H	22.21	22.85	22.70	23.34	23.82	23.23	23.87	23.72	24.37	24.84
	8H	22.30	22.88	22.81	23.39	23.88	23.40	23.98	23.92	24.49	24.98
	12H	22.38	22.89	22.89	23.39	23.95	23.54	24.05	24.05	24.54	25.11
12H	4H	21.93	22.63	22.41	23.11	23.58	22.70	23.40	23.18	23.88	24.35
	6H	22.24	22.82	22.76	23.33	23.82	23.22	23.80	23.73	24.31	24.80
	8H	22.37	22.89	22.88	23.38	23.94	23.44	23.95	23.95	24.44	25.00