

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: P243674

Luminaire Tested: S125DRP-H1270D835-X4F0-XX-UDD-A-W

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-2024  
Report Number: P243674  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1802-639-61)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: NEO-RAY  
Catalog Number: S125DRP-H1270D835-X4F0-XX-UDD-A-W  
Description: DEFINE 5 DIRECT RECESSED WITH ASYMMETRIC FLUSH DIFFUSER.  
HIGH PERFORMANCE LIGHT ENGINE  
Light Source: (184) 3500K CCT, 80 CRI LEDS  
Ballast/Driver: -

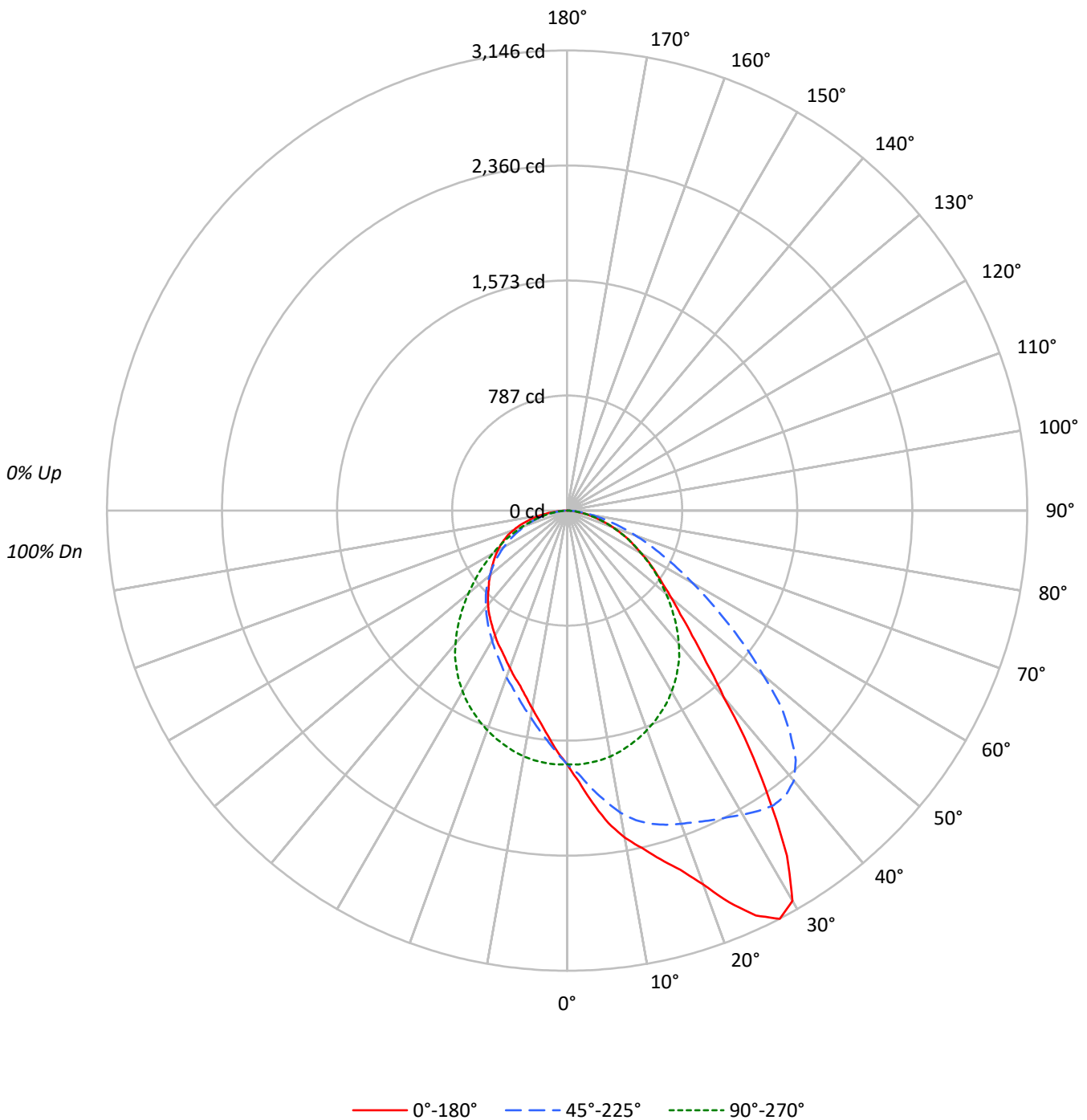
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4942.8 lumens  
Efficiency: N/A  
Efficacy: 131.1 lumens/watt  
Spacing Criteria (0/90/45): 1.43 / 1.22 / 1.53  
Luminous Opening: Rectangular (W 3.88' x L: 0.39' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 37.7  
Input Voltage (V): 120  
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: 24 FT

TEST NUMBER: P243674

CATALOG NUMBER: S125DRP-H1270D835-X4F0-XX-UDD-A-W

### Luminous Intensity Polar Plot





TEST NUMBER: P243674

CATALOG NUMBER: S125DRP-H1270D835-X4F0-XX-UDD-A-W

**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	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87					85				
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74					72				
3	92	82	74	68	89	80	73	67	77	71	66	74	69	65	72	67	63					61				
4	84	73	64	58	82	71	63	57	69	62	56	66	61	56	64	59	55					53				
5	78	65	56	50	75	64	56	50	62	55	49	60	54	49	58	53	48					46				
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	43					40				
7	67	53	45	39	65	53	44	39	51	44	38	50	43	38	48	42	38					36				
8	62	49	40	35	60	48	40	35	47	40	34	46	39	34	44	38	34					32				
9	58	45	37	31	57	44	36	31	43	36	31	42	36	31	41	35	31					29				
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28					26				

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

	0°	45°	90°	135°	180°
0°	12326	12326	12326	12326	12326
5°	14320	13598	12353	11239	10979
10°	16384	15141	12314	10349	9907
15°	18163	16311	12202	9651	9128
20°	20564	17229	12080	9181	8659
25°	23947	18316	11924	8709	8295
30°	25280	19699	11728	8415	8092
35°	20905	21339	11442	8201	7921
40°	15465	22367	11027	8025	7804
45°	12158	21674	10426	7868	7634
50°	10295	19355	9751	7651	7605
55°	9168	16583	9080	7408	7634
60°	8317	14055	8337	7107	7798
65°	7711	12016	7640	6742	8019
70°	6928	10274	6839	6299	8067
75°	5910	8691	6006	5756	7958
80°	4838	7024	4924	5010	7425
85°	3327	4934	3498	3955	6312

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 21674 cd/sqm



TEST NUMBER: P243674

CATALOG NUMBER: S125DRP-H1270D835-X4F0-XX-UDD-A-W

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	167.5	3.4
10°-20°	500.6	10.1
20°-30°	813.9	16.5
30°-40°	990.2	20.0
40°-50°	906.1	18.3
50°-60°	725.1	14.7
60°-70°	505.0	10.2
70°-80°	268.4	5.4
80°-90°	65.9	1.3
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°	1482.0	30.0
0°-40°	2472.2	50.0
0°-60°	4103.5	83.0
0°-90°	4942.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4942.8	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1734	1734	1734	1734	1734	
5°	2007	1906	1732	1575	1539	200
15°	2468	2217	1658	1312	1241	708
25°	3054	2336	1520	1110	1058	1394
35°	2409	2459	1319	945	913	1494
45°	1210	2156	1037	783	760	954
55°	740	1338	733	598	616	668
65°	458	714	454	401	477	451
75°	215	316	219	210	290	233
85°	41	60	43	48	77	53
90°	0	0	0	0	0	



TEST NUMBER: P243674

CATALOG NUMBER: S125DRP-H1270D835-X4F0-XX-UDD-A-W

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1734.3	1734.3	1734.3	1734.3	1734.3	1734.3	1734.3	1734.3	1734.3	1734.3	1734.3
2.5°	1856.7	1848.9	1846.8	1847.5	1843.3	1839.8	1831.3	1820.1	1812.4	1802.5	1799.7
5°	2007.2	1988.2	1991.7	1986.1	1976.9	1965.0	1954.4	1937.5	1921.4	1905.9	1885.5
7.5°	2154.9	2151.3	2141.5	2140.1	2125.3	2104.9	2083.8	2060.6	2026.2	2002.2	1974.8
10°	2270.2	2277.2	2263.2	2263.9	2237.8	2217.4	2199.2	2168.9	2130.2	2097.9	2057.8
12.5°	2363.0	2365.8	2363.7	2354.6	2337.7	2303.2	2285.7	2254.0	2211.8	2167.5	2136.6
15°	2468.5	2460.8	2448.8	2437.6	2413.0	2388.3	2351.8	2314.5	2261.0	2216.7	2171.7
17.5°	2574.0	2572.6	2557.8	2533.9	2503.0	2470.6	2415.8	2367.9	2311.0	2252.6	2196.3
20°	2718.9	2711.1	2689.3	2661.9	2605.0	2559.2	2491.0	2425.6	2351.1	2277.9	2212.5
22.5°	2900.3	2875.0	2853.2	2811.0	2745.6	2666.1	2589.5	2494.5	2390.4	2304.6	2223.1
25°	3053.6	3042.4	3019.2	2972.1	2897.5	2801.9	2687.9	2580.3	2449.5	2335.6	2229.4
27.5°	3146.5	3141.6	3127.5	3083.2	3021.3	2926.3	2804.7	2667.5	2519.2	2365.1	2237.8
30°	3080.4	3081.1	3088.8	3083.9	3056.5	2995.3	2887.0	2749.1	2577.5	2400.3	2239.9
32.5°	2796.2	2815.2	2875.7	2904.5	2943.2	2955.9	2907.4	2792.7	2626.8	2435.5	2247.0
35°	2409.4	2455.9	2496.6	2581.0	2681.6	2763.9	2811.7	2774.4	2647.1	2459.4	2250.5
37.5°	2045.1	2041.6	2104.9	2196.3	2303.2	2443.2	2578.9	2653.5	2612.0	2454.4	2244.2
40°	1666.8	1699.1	1738.5	1819.4	1944.6	2116.9	2278.6	2438.3	2495.9	2410.8	2219.6
42.5°	1408.0	1422.7	1462.1	1525.4	1615.4	1791.3	1950.9	2156.3	2303.9	2313.8	2165.4
45°	1209.6	1225.8	1237.1	1299.7	1383.4	1501.5	1665.4	1872.1	2070.5	2156.3	2077.5
47.5°	1050.7	1059.8	1084.5	1122.4	1177.3	1282.1	1412.9	1600.7	1816.6	1983.3	1956.5
50°	931.1	938.2	957.9	979.0	1024.0	1101.3	1206.8	1360.8	1568.3	1750.5	1810.2
52.5°	825.7	834.8	844.6	865.0	906.5	958.6	1044.4	1164.6	1357.3	1543.7	1638.6
55°	739.9	743.4	753.9	769.4	801.0	840.4	908.6	1017.6	1152.7	1338.3	1469.2
57.5°	665.3	661.8	673.0	683.6	704.7	737.7	787.0	867.8	996.5	1154.8	1291.2
60°	585.1	588.6	597.1	605.5	620.3	649.1	687.8	752.5	846.7	988.8	1128.1
62.5°	516.2	519.0	521.1	533.1	546.4	566.8	598.5	651.2	729.3	846.7	971.2
65°	458.5	453.6	456.4	464.9	475.4	492.3	521.8	560.5	618.9	714.5	817.9
67.5°	391.0	392.4	393.1	398.1	407.2	423.4	444.5	476.1	523.9	599.2	689.9
70°	333.4	334.1	334.8	339.0	346.7	355.9	370.6	395.2	436.0	494.4	565.4
72.5°	274.3	277.1	277.1	280.6	286.2	291.2	305.2	325.6	356.6	403.0	462.8
75°	215.2	220.1	221.5	225.8	230.7	232.1	242.6	258.8	278.5	316.5	363.6
77.5°	167.4	167.4	170.2	175.1	175.1	179.3	190.6	197.6	213.1	239.1	275.0
80°	118.2	120.3	120.3	121.7	124.5	128.0	132.9	139.2	152.6	171.6	190.6
82.5°	77.4	78.1	78.8	82.3	80.9	84.4	86.5	94.2	100.6	109.7	121.7
85°	40.8	40.8	41.5	43.6	45.7	46.4	47.8	51.3	56.3	60.5	67.5
87.5°	16.9	16.2	16.2	17.6	17.6	18.3	19.0	20.4	23.2	23.2	26.0
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: P243674

CATALOG NUMBER: S125DRP-H1270D835-X4F0-XX-UDD-A-W

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1734.3	1734.3	1734.3	1734.3	1734.3	1734.3	1734.3	1734.3	1734.3	1734.3	1734.3
2.5°	1797.6	1792.0	1782.1	1773.7	1763.1	1755.4	1747.7	1737.8	1728.0	1717.4	1706.2
5°	1869.3	1852.4	1833.5	1814.5	1792.0	1773.7	1754.0	1731.5	1712.5	1691.4	1668.9
7.5°	1951.6	1922.1	1889.0	1851.7	1816.6	1784.9	1752.6	1721.6	1693.5	1661.9	1630.9
10°	2031.1	1979.7	1938.2	1887.6	1837.7	1791.3	1746.9	1706.2	1665.4	1626.0	1588.0
12.5°	2085.2	2026.9	1974.8	1916.4	1858.1	1799.7	1741.3	1685.1	1636.5	1588.7	1548.6
15°	2122.5	2081.7	2012.8	1942.5	1865.8	1789.8	1723.7	1658.3	1600.7	1545.1	1497.3
17.5°	2145.7	2093.0	2025.4	1951.6	1867.2	1787.7	1708.3	1630.2	1564.1	1504.3	1450.2
20°	2152.0	2090.1	2019.8	1943.2	1858.8	1771.6	1682.2	1597.1	1525.4	1457.2	1402.3
22.5°	2145.7	2074.0	1998.7	1924.2	1835.6	1746.9	1653.4	1560.6	1478.3	1408.0	1350.3
25°	2135.2	2048.7	1969.9	1882.0	1799.7	1715.3	1619.0	1520.5	1434.7	1361.6	1296.8
27.5°	2121.8	2022.6	1925.6	1839.1	1749.8	1666.8	1578.2	1477.6	1388.3	1308.1	1247.6
30°	2106.3	1988.2	1880.6	1777.9	1693.5	1610.5	1524.0	1429.1	1339.0	1262.4	1197.0
32.5°	2088.7	1951.6	1825.0	1714.6	1624.6	1547.9	1467.0	1376.3	1287.7	1205.4	1148.5
35°	2064.1	1901.7	1765.2	1645.7	1552.1	1469.2	1398.1	1318.7	1230.7	1154.1	1095.0
37.5°	2035.3	1857.4	1704.8	1575.3	1473.4	1388.3	1322.9	1258.2	1175.9	1102.0	1045.1
40°	1996.6	1803.9	1640.8	1500.8	1391.8	1308.1	1244.1	1188.5	1120.3	1045.8	994.4
42.5°	1946.0	1744.8	1568.3	1419.2	1313.7	1224.4	1164.6	1114.0	1055.6	990.9	940.3
45°	1888.3	1677.3	1487.4	1341.2	1226.5	1141.4	1083.1	1037.3	993.0	935.4	888.2
47.5°	1798.3	1597.9	1414.3	1252.5	1140.0	1057.7	1002.9	959.3	926.2	880.5	834.1
50°	1691.4	1507.8	1327.8	1165.3	1051.4	971.9	919.9	881.9	853.8	818.6	783.5
52.5°	1573.9	1406.6	1232.9	1080.9	967.0	891.8	836.9	803.1	784.9	756.7	729.3
55°	1436.8	1292.6	1130.9	992.3	880.5	803.8	756.7	732.8	712.4	698.4	673.7
57.5°	1299.0	1177.3	1033.1	896.0	793.3	725.1	682.9	656.2	641.4	631.5	614.0
60°	1148.5	1052.8	920.6	801.7	710.3	645.6	608.3	586.5	573.2	567.5	555.6
62.5°	1005.0	931.8	811.6	712.4	630.8	573.9	536.6	519.0	510.6	504.3	497.2
65°	863.6	806.0	711.0	618.2	549.3	497.9	468.4	454.3	448.0	441.0	440.3
67.5°	736.3	683.6	607.6	531.7	474.0	430.4	404.4	390.3	383.3	384.0	380.5
70°	611.2	570.4	508.5	446.6	397.4	362.9	338.3	329.1	326.3	325.6	322.8
72.5°	494.4	471.2	417.0	365.0	326.3	299.6	279.9	272.2	268.7	267.2	267.2
75°	391.7	374.8	328.4	289.0	259.5	237.7	224.3	218.7	213.8	216.6	214.5
77.5°	294.0	279.9	248.3	220.1	197.6	179.3	173.0	168.1	165.3	164.6	167.4
80°	206.8	198.3	178.6	156.1	139.2	128.7	124.5	120.3	118.2	116.7	118.2
82.5°	132.9	128.0	113.9	100.6	90.7	85.1	80.9	78.8	75.3	76.0	77.4
85°	72.4	71.0	61.9	57.7	48.5	47.8	45.0	42.9	43.6	42.2	44.3
87.5°	29.5	28.1	26.0	23.9	21.1	19.0	17.6	19.0	16.9	19.0	18.3
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: P243674

CATALOG NUMBER: S125DRP-H1270D835-X4F0-XX-UDD-A-W

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1734.3	1734.3	1734.3	1734.3	1734.3	1734.3	1734.3	1734.3	1734.3	1734.3	1734.3
2.5°	1700.5	1692.8	1683.7	1675.2	1662.6	1654.1	1649.9	1651.3	1646.4	1645.0	1644.3
5°	1655.5	1637.9	1621.1	1607.0	1592.2	1575.3	1563.4	1559.9	1558.5	1555.0	1547.2
7.5°	1609.1	1586.6	1564.8	1544.4	1523.3	1503.6	1491.7	1481.8	1476.2	1466.3	1464.2
10°	1559.9	1532.4	1509.2	1479.7	1454.4	1434.0	1418.5	1410.1	1405.2	1396.0	1388.3
12.5°	1512.8	1483.9	1448.1	1421.3	1394.6	1373.5	1355.9	1341.9	1338.3	1326.4	1320.1
15°	1462.1	1427.0	1394.6	1363.7	1338.3	1311.6	1301.1	1288.4	1275.8	1265.2	1263.1
17.5°	1413.6	1371.4	1339.7	1309.5	1278.6	1258.9	1244.8	1236.4	1226.5	1220.9	1211.0
20°	1355.2	1320.8	1285.6	1257.5	1230.7	1213.9	1194.9	1187.1	1180.1	1166.7	1162.5
22.5°	1306.0	1264.5	1235.0	1206.8	1182.9	1159.0	1145.6	1137.9	1127.4	1120.3	1114.7
25°	1254.7	1220.2	1182.9	1154.8	1134.4	1110.5	1101.3	1091.5	1082.3	1076.0	1070.4
27.5°	1204.7	1166.7	1136.5	1108.4	1087.3	1070.4	1057.7	1047.2	1040.9	1035.9	1032.4
30°	1152.7	1117.5	1089.4	1063.4	1039.4	1025.4	1013.4	1009.2	1002.2	998.7	993.0
32.5°	1105.6	1069.7	1043.0	1020.5	999.4	985.3	978.3	971.9	964.9	958.6	957.9
35°	1052.1	1021.2	996.5	971.9	956.5	945.2	937.5	931.1	925.5	920.6	917.8
37.5°	1005.0	975.4	948.0	930.4	913.6	903.7	895.3	893.2	887.5	888.2	884.0
40°	954.4	927.6	904.4	886.8	875.6	865.0	859.4	852.4	848.9	849.6	846.0
42.5°	905.1	880.5	859.4	843.2	831.3	823.5	818.6	813.0	808.8	806.0	805.3
45°	855.2	833.4	815.8	799.6	789.8	782.8	776.4	769.4	765.9	764.5	763.8
47.5°	806.0	786.3	767.3	756.0	746.9	740.6	734.2	728.6	725.8	723.7	720.2
50°	755.3	735.6	722.3	708.2	700.5	692.0	685.0	682.2	678.7	678.0	681.5
52.5°	702.6	687.1	675.1	663.9	654.8	645.6	638.6	635.1	637.2	637.2	641.4
55°	652.6	636.5	625.2	616.1	606.2	597.8	590.8	590.8	590.8	595.0	600.6
57.5°	597.1	583.0	574.6	564.0	554.9	549.3	544.3	543.6	546.4	553.5	559.8
60°	540.8	531.0	521.8	513.4	504.3	500.0	499.3	497.9	502.1	509.2	522.5
62.5°	485.3	478.9	467.7	463.5	455.7	450.8	450.8	452.2	458.5	469.8	481.7
65°	431.8	422.7	414.2	410.0	405.1	400.9	400.9	406.5	415.6	426.2	441.0
67.5°	377.0	369.2	363.6	359.4	353.7	351.6	353.7	360.1	371.3	381.9	397.4
70°	317.9	316.5	311.6	305.9	303.1	303.1	305.2	312.3	320.7	336.9	350.2
72.5°	263.7	263.7	260.9	257.4	255.3	257.4	258.8	265.8	276.4	290.5	305.2
75°	214.5	212.4	210.3	208.9	208.2	209.6	211.7	217.3	230.0	243.3	255.3
77.5°	166.0	164.6	162.5	163.9	163.9	164.6	170.9	177.2	184.3	194.8	207.5
80°	119.6	120.3	118.2	117.4	121.0	122.4	127.3	132.2	137.1	149.1	158.2
82.5°	78.8	80.2	79.5	80.9	82.3	82.3	87.9	92.8	97.1	105.5	112.5
85°	45.0	45.7	45.7	47.8	49.2	48.5	53.4	56.3	58.4	64.7	68.9
87.5°	19.7	20.4	21.1	21.1	21.1	23.9	24.6	26.0	26.7	28.1	30.2
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: P243674

CATALOG NUMBER: S125DRP-H1270D835-X4F0-XX-UDD-A-W

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°
0°	1734.3	1734.3	1734.3	1734.3
2.5°	1637.9	1637.2	1640.8	1642.9
5°	1542.3	1540.2	1537.4	1538.8
7.5°	1457.2	1451.6	1450.2	1450.2
10°	1381.9	1376.3	1374.9	1372.8
12.5°	1317.9	1309.5	1306.0	1302.5
15°	1257.5	1256.1	1248.3	1240.6
17.5°	1201.9	1204.0	1196.3	1192.8
20°	1155.5	1149.2	1146.3	1144.9
22.5°	1108.4	1103.4	1103.4	1098.5
25°	1066.2	1062.0	1062.7	1057.7
27.5°	1026.8	1026.1	1025.4	1024.0
30°	990.2	987.4	984.6	986.0
32.5°	955.1	950.8	948.7	948.0
35°	918.5	917.1	914.3	912.9
37.5°	882.6	883.3	879.8	879.1
40°	843.9	843.2	842.5	841.1
42.5°	803.1	801.0	802.4	801.7
45°	762.4	760.2	761.7	759.5
47.5°	722.3	723.7	723.7	724.4
50°	682.9	685.7	685.7	687.8
52.5°	646.3	651.9	651.9	651.2
55°	606.9	613.3	615.4	616.1
57.5°	569.7	576.0	582.3	583.7
60°	529.6	540.8	547.2	548.6
62.5°	493.7	504.3	512.7	513.4
65°	453.6	466.3	474.0	476.8
67.5°	412.8	422.7	433.2	437.4
70°	366.4	378.4	385.4	388.2
72.5°	317.9	331.2	340.4	341.8
75°	271.5	281.3	288.3	289.8
77.5°	218.7	228.6	234.9	236.3
80°	166.0	174.4	178.6	181.4
82.5°	117.4	123.1	125.2	128.0
85°	72.4	76.7	77.4	77.4
87.5°	31.6	32.4	32.4	33.8
90°	0.0	0.0	0.0	0.0



TEST NUMBER: P243674  
 CATALOG NUMBER: S125DRP-H1270D835-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	19.56	21.13	19.93	21.45	21.76	19.30	20.87	19.67	21.19	21.50
	3H	20.92	22.33	21.29	22.66	23.02	20.73	22.14	21.11	22.47	22.83
	4H	21.40	22.72	21.79	23.07	23.45	21.22	22.54	21.61	22.89	23.27
	6H	21.70	22.93	22.12	23.30	23.69	21.53	22.76	21.94	23.13	23.52
	8H	21.78	22.95	22.21	23.34	23.74	21.61	22.78	22.04	23.17	23.57
	12H	21.81	22.94	22.24	23.32	23.75	21.65	22.77	22.08	23.15	23.58
4H	2H	20.95	22.28	21.35	22.63	23.00	20.37	21.69	20.77	22.04	22.42
	3H	22.31	23.42	22.72	23.81	24.21	22.02	23.13	22.43	23.53	23.93
	4H	22.81	23.81	23.24	24.22	24.66	22.58	23.58	23.02	23.99	24.43
	6H	23.17	24.03	23.62	24.48	24.93	22.96	23.83	23.42	24.27	24.73
	8H	23.26	24.07	23.72	24.51	24.98	23.06	23.87	23.52	24.31	24.78
	12H	23.31	24.03	23.79	24.51	24.98	23.11	23.84	23.59	24.32	24.79
8H	4H	23.27	24.08	23.73	24.52	24.99	22.94	23.75	23.40	24.19	24.66
	6H	23.70	24.37	24.19	24.86	25.34	23.44	24.11	23.93	24.60	25.08
	8H	23.82	24.43	24.34	24.94	25.42	23.58	24.19	24.10	24.70	25.18
	12H	23.91	24.44	24.42	24.94	25.50	23.68	24.22	24.19	24.71	25.27
12H	4H	23.31	24.04	23.79	24.51	24.98	22.96	23.68	23.44	24.16	24.63
	6H	23.77	24.37	24.28	24.88	25.37	23.49	24.09	24.00	24.60	25.09
	8H	23.94	24.48	24.45	24.97	25.53	23.69	24.22	24.20	24.71	25.28