

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: P242814

Luminaire Tested: S125DRP-S1270D835-X4F0-XX-UDD-A-W

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2024
Report Number: P242814
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1802-639-22)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S125DRP-S1270D835-X4F0-XX-UDD-A-W
Description: DEFINE 5 DIRECT RECESSED WITH ASYMMETRIC FLUSH DIFFUSER
STANDARD LIGHT ENGINE
Light Source: (92) 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

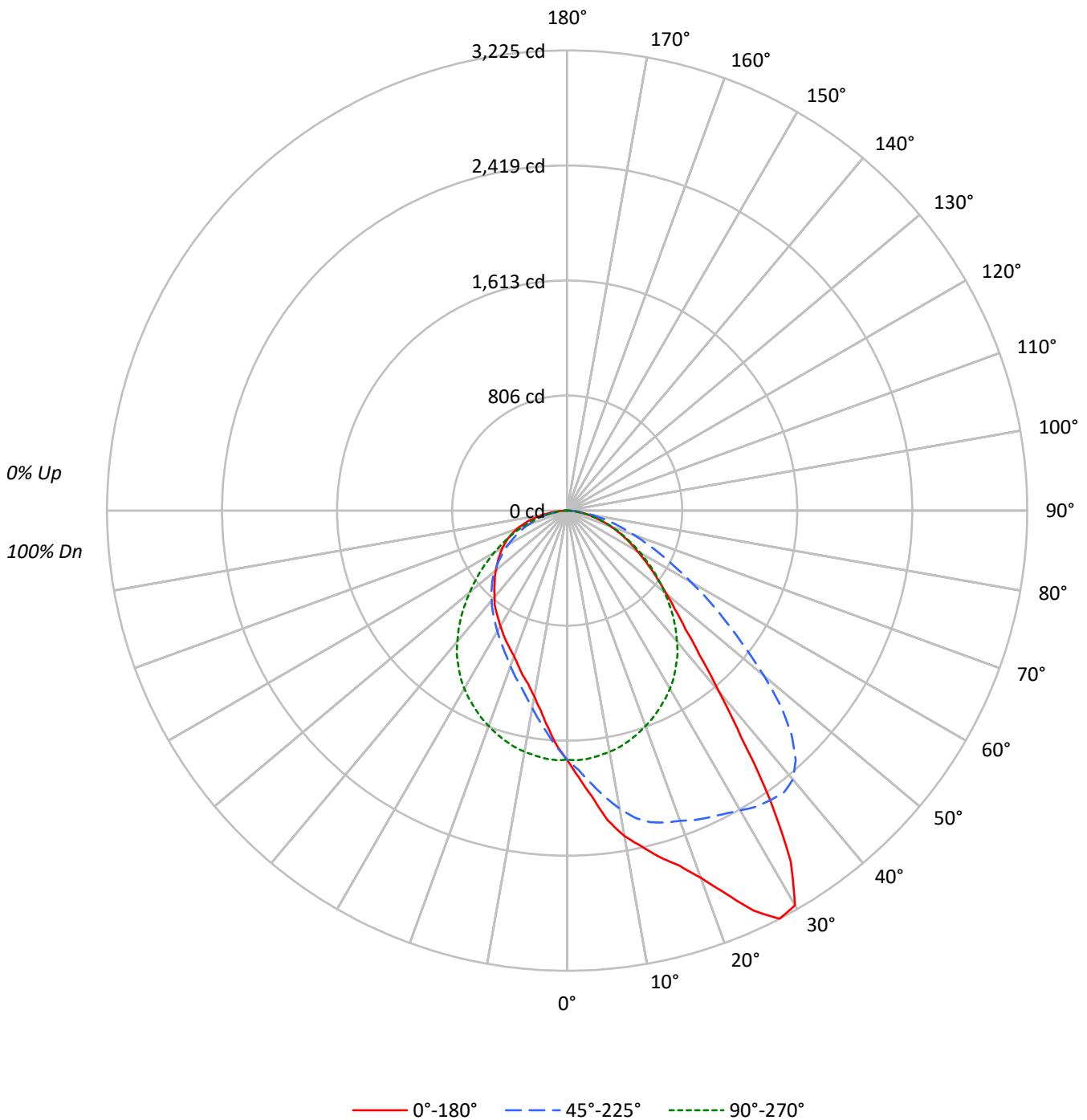
Lumens per Lamp: N/A
Luminaire Lumens: 4926.7 lumens
Efficiency: N/A
Efficacy: 119.9 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.23 / 1.53
Luminous Opening: Rectangular (W 3.88' x L: 0.39' x H: 0')
CIE Type: Direct

Input Watts (W): 41.1
Input Voltage (V): 120
Input Current (A_{in}): 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	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85
2	100	92	86	80	98	90	84	79	87	82	78	84	80	76	81	77	74	72
3	92	82	74	68	89	80	73	67	77	71	66	74	69	65	72	67	64	61
4	84	73	64	58	82	71	63	57	69	62	57	67	61	56	64	59	55	53
5	78	65	56	50	76	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	41
7	67	53	45	39	65	53	45	39	51	44	39	50	43	38	48	42	38	36
8	62	49	41	35	61	48	40	35	47	40	34	46	39	34	44	39	34	32
9	58	45	37	31	57	44	37	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°	12408	12408	12408	12408	12408
5°	14369	13688	12450	11197	10902
10°	16717	15306	12386	10145	9551
15°	18506	16635	12295	9323	8811
20°	20715	17497	12151	8783	8216
25°	24267	18590	11988	8328	7926
30°	26210	19910	11829	8021	7674
35°	21551	21506	11528	7811	7509
40°	15318	22839	11110	7639	7329
45°	11768	22352	10547	7485	7225
50°	10045	19885	9849	7300	7210
55°	8943	16886	9163	7033	7272
60°	8068	14262	8417	6783	7457
65°	7452	12151	7664	6443	7652
70°	6774	10332	6882	6006	7762
75°	5984	8831	6063	5536	7692
80°	5034	7249	4944	4703	7036
85°	3988	5260	3564	3865	5684

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 22352 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.0	3.4
10°-20°	500.5	10.2
20°-30°	813.0	16.5
30°-40°	993.5	20.2
40°-50°	901.3	18.3
50°-60°	717.9	14.6
60°-70°	500.0	10.1
70°-80°	266.3	5.4
80°-90°	66.1	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°	1481.5	30.1
0°-40°	2475.0	50.2
0°-60°	4094.2	83.1
0°-90°	4926.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4926.7	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1746	1746	1746	1746	1746	
5°	2014	1918	1745	1569	1528	202
15°	2515	2261	1671	1267	1198	719
25°	3094	2370	1529	1062	1011	1418
35°	2484	2479	1329	900	866	1524
45°	1171	2224	1049	745	719	932
55°	722	1363	740	568	587	649
65°	443	722	456	383	455	440
75°	218	322	221	202	280	235
85°	49	64	44	47	70	57
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°	1745.8	1745.8	1745.8	1745.8	1745.8	1745.8	1745.8	1745.8	1745.8	1745.8	1745.8
2.5°	1871.8	1868.8	1865.8	1859.9	1864.4	1851.8	1845.8	1835.5	1822.9	1818.4	1813.2
5°	2014.0	2017.8	2021.5	2005.9	2007.4	1997.0	1973.3	1954.0	1938.5	1918.5	1904.4
7.5°	2190.4	2179.3	2180.0	2170.4	2153.4	2139.3	2116.3	2084.4	2055.5	2022.9	1994.8
10°	2316.4	2317.1	2310.5	2298.6	2280.1	2266.7	2234.1	2203.0	2165.2	2120.8	2088.9
12.5°	2411.2	2414.9	2406.0	2389.0	2382.3	2348.2	2324.5	2286.0	2239.3	2206.0	2153.4
15°	2515.0	2506.8	2500.9	2480.9	2465.3	2434.2	2393.4	2354.9	2306.0	2260.8	2215.6
17.5°	2606.9	2613.5	2603.9	2589.1	2543.1	2506.8	2456.4	2407.5	2349.0	2292.7	2240.1
20°	2738.8	2744.7	2727.6	2695.8	2638.0	2601.7	2529.8	2461.6	2391.2	2313.4	2254.1
22.5°	2903.3	2895.8	2871.4	2818.8	2770.6	2695.8	2616.5	2529.8	2437.2	2346.8	2263.0
25°	3094.4	3063.3	3049.2	2989.2	2923.3	2824.7	2718.0	2596.5	2486.8	2370.5	2269.7
27.5°	3224.8	3212.3	3192.2	3143.3	3067.8	2955.9	2829.9	2684.7	2537.2	2394.9	2268.2
30°	3193.7	3195.2	3196.7	3183.4	3138.9	3059.6	2934.4	2775.1	2591.3	2426.0	2273.4
32.5°	2918.1	2951.4	2983.3	3024.8	3051.5	3052.2	2985.5	2845.5	2655.0	2461.6	2270.4
35°	2483.8	2492.0	2575.7	2658.7	2771.4	2858.8	2917.3	2853.6	2694.3	2478.7	2268.2
37.5°	2008.1	2048.9	2111.9	2205.2	2374.2	2512.0	2692.8	2755.1	2680.2	2492.7	2267.5
40°	1651.0	1688.0	1725.8	1821.4	1958.5	2134.8	2347.5	2529.0	2571.3	2461.6	2245.2
42.5°	1375.3	1402.7	1445.7	1511.6	1620.6	1771.7	1972.6	2223.8	2395.7	2371.2	2198.6
45°	1170.8	1189.3	1221.9	1279.0	1362.0	1484.2	1663.6	1922.9	2148.9	2223.8	2119.3
47.5°	1025.5	1026.3	1053.0	1093.7	1156.7	1269.3	1403.5	1616.9	1860.7	2033.3	2008.9
50°	908.5	904.8	924.8	958.9	1006.3	1075.2	1201.9	1364.2	1596.1	1798.4	1854.7
52.5°	807.7	809.2	819.6	842.5	880.3	936.6	1023.3	1165.6	1355.3	1564.3	1682.8
55°	721.7	718.8	732.9	749.9	778.8	817.3	885.5	997.4	1158.2	1362.7	1500.5
57.5°	638.7	646.9	652.8	664.7	689.9	716.6	777.3	863.3	995.9	1177.5	1323.4
60°	567.6	575.8	580.2	592.1	611.3	633.6	678.0	744.7	852.2	1003.3	1147.8
62.5°	503.9	509.8	510.6	520.9	535.7	557.2	589.8	643.2	722.5	849.9	990.7
65°	443.1	443.1	446.1	457.2	464.6	483.9	510.6	551.3	619.5	722.5	843.3
67.5°	383.8	387.5	386.8	392.0	398.7	415.0	435.0	469.1	523.1	601.0	701.0
70°	326.0	329.0	328.3	332.0	339.4	349.0	364.6	396.4	432.7	497.2	580.2
72.5°	274.2	274.9	272.7	277.9	281.6	289.7	307.5	320.9	354.2	406.1	470.5
75°	217.9	219.3	220.8	223.8	228.2	232.7	241.6	258.6	280.8	321.6	365.3
77.5°	173.4	169.7	174.1	173.4	175.6	179.3	187.5	197.1	216.4	243.8	280.1
80°	123.0	123.7	123.7	124.5	128.2	130.4	137.1	143.8	157.8	177.1	200.8
82.5°	81.5	83.7	82.3	83.7	86.7	88.2	91.1	96.3	103.0	117.1	132.6
85°	48.9	45.2	46.7	48.2	48.2	48.9	51.9	54.1	58.5	64.5	71.1
87.5°	17.8	19.3	20.0	20.0	20.7	20.7	23.7	23.7	25.9	28.2	31.1
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°	1745.8	1745.8	1745.8	1745.8	1745.8	1745.8	1745.8	1745.8	1745.8	1745.8	1745.8
2.5°	1808.8	1803.6	1797.7	1787.3	1774.7	1768.0	1757.7	1751.0	1737.7	1726.5	1714.7
5°	1887.3	1868.1	1850.3	1827.3	1802.1	1785.8	1766.6	1745.1	1722.8	1699.9	1674.7
7.5°	1965.9	1934.0	1899.2	1862.9	1827.3	1794.0	1762.8	1731.0	1702.1	1665.8	1635.4
10°	2045.2	2002.2	1956.3	1902.2	1849.5	1803.6	1756.9	1716.2	1674.7	1630.2	1590.9
12.5°	2124.5	2063.7	1994.0	1933.3	1867.3	1809.5	1752.5	1697.6	1642.8	1592.4	1545.0
15°	2153.4	2103.0	2042.9	1958.5	1887.3	1811.0	1738.4	1671.0	1608.0	1553.1	1495.3
17.5°	2181.5	2117.0	2053.3	1971.8	1879.2	1796.9	1714.7	1641.3	1571.7	1502.8	1450.1
20°	2188.2	2121.5	2054.1	1974.8	1879.2	1781.4	1699.1	1606.5	1530.2	1458.3	1390.1
22.5°	2186.0	2108.2	2033.3	1951.1	1858.4	1770.3	1666.5	1571.7	1487.2	1416.8	1344.9
25°	2169.7	2088.9	1997.0	1914.8	1822.9	1727.3	1626.5	1528.7	1444.2	1363.4	1293.1
27.5°	2160.0	2057.8	1957.0	1862.1	1774.0	1685.8	1588.0	1487.2	1394.6	1312.3	1247.1
30°	2138.5	2023.7	1906.6	1806.6	1715.4	1630.2	1539.1	1441.3	1343.4	1263.4	1192.3
32.5°	2119.3	1980.7	1855.5	1744.3	1646.5	1564.3	1482.0	1390.1	1294.5	1213.0	1141.9
35°	2093.3	1938.5	1796.9	1673.9	1570.9	1485.7	1415.3	1328.6	1240.4	1161.9	1093.7
37.5°	2063.0	1883.6	1733.9	1605.8	1493.9	1404.9	1338.3	1270.8	1182.6	1105.6	1044.8
40°	2025.9	1824.4	1663.6	1531.7	1414.6	1321.2	1260.4	1197.5	1127.1	1056.7	991.5
42.5°	1979.2	1771.0	1592.4	1447.9	1332.3	1241.9	1177.5	1126.3	1066.3	1001.8	942.6
45°	1919.9	1704.3	1514.6	1362.0	1244.9	1155.2	1089.3	1049.3	1002.6	940.3	889.2
47.5°	1841.4	1628.7	1433.1	1275.3	1154.5	1071.5	1008.5	969.2	935.1	886.2	838.1
50°	1729.5	1542.0	1343.4	1187.1	1066.3	982.6	925.5	890.7	862.5	827.0	787.7
52.5°	1604.3	1433.1	1255.3	1101.1	981.8	899.6	844.0	814.4	792.1	769.2	730.6
55°	1470.2	1322.0	1153.0	1006.3	895.9	815.1	766.2	739.5	720.3	701.0	677.3
57.5°	1325.7	1205.6	1050.7	913.7	811.4	735.8	689.9	662.5	646.9	636.5	621.7
60°	1171.5	1072.2	943.3	821.0	721.7	656.5	612.1	592.1	579.5	571.3	560.9
62.5°	1028.5	951.4	834.4	725.4	641.7	580.9	542.4	523.1	511.3	508.3	500.2
65°	888.5	825.5	726.9	634.3	560.2	507.6	474.2	455.7	448.3	443.9	444.6
67.5°	747.7	706.9	624.7	543.2	482.4	435.7	408.3	394.2	390.5	383.8	383.8
70°	621.0	592.1	525.4	456.5	403.8	369.8	346.0	331.2	327.5	324.6	323.8
72.5°	509.1	484.6	429.0	377.2	331.2	302.3	283.8	276.4	269.7	268.2	268.2
75°	399.4	385.3	339.4	295.7	263.1	242.3	229.0	220.8	216.4	215.6	216.4
77.5°	301.6	288.3	256.4	223.8	202.3	186.0	173.4	171.2	165.2	166.0	164.5
80°	213.4	205.3	186.7	162.3	145.2	131.9	126.0	120.8	119.3	117.1	119.3
82.5°	140.0	131.2	120.0	106.7	93.4	86.7	80.8	80.0	79.3	78.5	78.5
85°	76.3	77.1	69.7	57.8	51.9	47.4	43.7	43.7	43.0	42.2	43.0
87.5°	32.6	31.1	28.2	25.9	22.2	20.0	19.3	20.0	17.8	17.0	17.8
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°	1745.8	1745.8	1745.8	1745.8	1745.8	1745.8	1745.8	1745.8	1745.8	1745.8	1745.8
2.5°	1708.0	1699.9	1693.2	1678.4	1670.2	1659.1	1650.2	1659.8	1649.5	1653.9	1647.3
5°	1662.1	1641.3	1626.5	1605.0	1586.5	1569.4	1556.8	1554.6	1548.7	1545.7	1536.8
7.5°	1607.2	1583.5	1559.1	1532.4	1510.2	1486.5	1472.4	1459.0	1450.9	1440.5	1432.4
10°	1559.8	1525.0	1495.3	1461.3	1431.6	1405.7	1384.9	1374.6	1364.9	1350.9	1345.7
12.5°	1501.3	1465.0	1427.2	1390.1	1362.0	1332.3	1315.3	1298.2	1292.3	1276.0	1275.3
15°	1456.8	1402.7	1367.2	1330.1	1290.8	1267.1	1252.3	1235.3	1227.8	1216.7	1208.6
17.5°	1402.0	1353.1	1308.6	1270.8	1235.3	1216.0	1196.7	1184.9	1172.3	1164.1	1150.8
20°	1341.2	1295.3	1250.8	1210.1	1184.1	1161.2	1146.3	1135.2	1121.9	1118.2	1104.8
22.5°	1290.1	1238.2	1196.0	1163.4	1134.5	1107.8	1091.5	1084.8	1076.7	1063.3	1063.3
25°	1233.8	1181.2	1144.9	1110.8	1085.6	1061.9	1050.7	1041.1	1032.2	1024.1	1021.1
27.5°	1186.3	1139.7	1095.2	1064.1	1042.6	1020.4	1010.7	998.1	991.5	984.8	975.9
30°	1136.0	1087.8	1050.0	1020.4	996.7	977.4	967.0	958.9	952.9	947.0	942.6
32.5°	1084.1	1040.4	1004.1	975.2	951.4	938.1	929.2	924.0	917.4	910.0	904.0
35°	1039.6	990.7	955.2	930.0	911.4	900.3	889.9	884.8	877.3	877.3	871.4
37.5°	987.0	944.0	912.2	889.2	872.9	862.5	850.7	847.7	842.5	839.6	837.3
40°	941.1	901.8	872.2	849.2	831.4	823.3	814.4	808.4	805.5	801.8	800.3
42.5°	893.7	856.6	828.4	807.7	792.9	786.2	778.1	774.3	767.7	762.5	761.8
45°	845.5	809.2	783.2	766.2	752.9	744.7	739.5	730.6	727.7	721.7	721.0
47.5°	801.0	765.5	739.5	725.4	713.6	707.7	699.5	689.9	686.2	682.5	681.7
50°	749.9	718.0	694.3	681.0	669.9	660.2	652.1	646.2	643.9	643.9	645.4
52.5°	698.0	672.1	652.8	635.8	625.4	615.0	607.6	604.7	601.0	605.4	608.4
55°	647.6	620.2	605.4	589.8	579.5	567.6	563.9	562.4	560.2	566.1	569.1
57.5°	593.5	575.0	557.2	540.9	532.0	524.6	518.7	518.0	522.4	523.9	532.8
60°	542.4	520.2	504.6	492.8	481.7	477.2	475.7	474.2	477.2	485.4	498.0
62.5°	486.1	469.1	452.0	443.9	436.5	428.3	428.3	429.8	436.5	446.1	458.7
65°	431.3	415.7	404.6	394.2	387.5	383.1	384.6	387.5	394.2	406.8	420.9
67.5°	374.9	364.6	354.2	344.6	337.9	338.6	339.4	343.1	351.2	366.1	379.4
70°	320.9	309.0	300.8	297.1	292.0	289.0	293.4	300.8	307.5	320.9	332.0
72.5°	266.8	257.1	251.2	249.0	247.5	245.3	246.0	254.2	263.8	277.1	290.5
75°	213.4	209.7	205.3	202.3	200.1	201.6	203.0	210.4	217.9	231.9	246.8
77.5°	165.2	160.8	157.8	157.1	155.6	156.4	160.1	166.0	173.4	183.8	195.6
80°	117.8	116.3	114.9	114.1	114.1	114.9	120.8	124.5	131.2	140.8	149.7
82.5°	77.8	77.1	77.1	77.1	77.8	77.8	80.8	86.0	91.1	97.8	105.2
85°	45.2	43.7	45.9	46.7	45.2	47.4	48.9	51.9	54.1	57.8	61.5
87.5°	18.5	20.0	19.3	20.0	20.0	21.5	20.7	23.7	25.2	26.7	25.9
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: P242814

CATALOG NUMBER: S125DRP-S1270D835-X4F0-XX-UDD-A-W

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	1745.8	1745.8	1745.8	1745.8
2.5°	1642.8	1648.0	1643.5	1649.5
5°	1533.1	1526.5	1530.9	1528.0
7.5°	1431.6	1425.7	1416.8	1413.8
10°	1337.5	1329.4	1328.6	1323.4
12.5°	1268.6	1261.2	1250.8	1249.3
15°	1204.1	1198.2	1193.0	1197.5
17.5°	1149.3	1144.1	1142.6	1138.2
20°	1098.2	1094.5	1095.9	1086.3
22.5°	1057.4	1049.3	1047.8	1047.8
25°	1014.4	1010.7	1007.0	1010.7
27.5°	976.6	972.9	971.5	972.2
30°	942.6	935.1	935.9	935.1
32.5°	905.5	901.1	899.6	898.1
35°	869.2	869.2	865.5	865.5
37.5°	835.9	835.1	832.9	834.4
40°	797.3	796.6	794.4	789.9
42.5°	760.3	757.3	756.6	755.8
45°	721.0	721.0	719.5	718.8
47.5°	682.5	683.9	686.9	686.2
50°	648.4	649.1	651.3	652.1
52.5°	610.6	615.8	618.7	618.0
55°	575.8	580.9	586.1	586.9
57.5°	540.9	547.6	552.8	554.3
60°	505.4	515.0	521.7	524.6
62.5°	471.3	482.4	489.1	489.1
65°	433.5	444.6	450.5	455.0
67.5°	394.2	405.3	411.3	415.0
70°	350.5	361.6	370.5	373.5
72.5°	307.5	317.1	323.8	327.5
75°	256.4	269.7	276.4	280.1
77.5°	207.5	220.8	224.5	226.7
80°	158.6	166.0	171.2	171.9
82.5°	112.6	118.6	119.3	121.5
85°	66.7	69.7	70.4	69.7
87.5°	27.4	26.7	26.7	28.2
90°	0.0	0.0	0.0	0.0



TEST NUMBER: P242814
 CATALOG NUMBER: S125DRP-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	19.41	20.97	19.77	21.29	21.60	19.38	20.95	19.74	21.26	21.58
	3H	20.78	22.19	21.15	22.51	22.88	20.81	22.22	21.18	22.55	22.91
	4H	21.27	22.59	21.67	22.94	23.32	21.29	22.62	21.69	22.97	23.35
	6H	21.61	22.83	22.02	23.20	23.59	21.61	22.83	22.02	23.20	23.59
	8H	21.70	22.87	22.12	23.26	23.66	21.69	22.86	22.12	23.25	23.65
	12H	21.75	22.86	22.18	23.25	23.68	21.73	22.85	22.16	23.23	23.66
4H	2H	20.91	22.24	21.31	22.59	22.96	20.46	21.78	20.86	22.13	22.51
	3H	22.26	23.36	22.67	23.76	24.16	22.12	23.22	22.53	23.62	24.02
	4H	22.77	23.76	23.20	24.17	24.61	22.67	23.67	23.11	24.08	24.52
	6H	23.14	24.00	23.59	24.45	24.90	23.05	23.91	23.50	24.36	24.81
	8H	23.24	24.05	23.70	24.49	24.96	23.14	23.95	23.61	24.40	24.86
	12H	23.30	24.03	23.79	24.51	24.98	23.20	23.92	23.68	24.40	24.87
8H	4H	23.25	24.06	23.71	24.50	24.97	23.02	23.83	23.48	24.27	24.74
	6H	23.70	24.37	24.20	24.86	25.34	23.52	24.19	24.01	24.68	25.15
	8H	23.84	24.45	24.36	24.95	25.44	23.66	24.27	24.18	24.78	25.26
	12H	23.95	24.48	24.46	24.97	25.53	23.76	24.30	24.27	24.79	25.35
12H	4H	23.30	24.02	23.78	24.50	24.97	23.03	23.76	23.51	24.24	24.71
	6H	23.78	24.39	24.29	24.89	25.38	23.56	24.17	24.08	24.68	25.16
	8H	23.97	24.51	24.48	25.00	25.56	23.77	24.30	24.28	24.79	25.36