

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: P243775

Luminaire Tested: S125RDRP-H850D835-X4F0-XX-UDD-A-W

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2024
Report Number: P243775
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1802-639-71)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S125RDRP-H850D835-X4F0-XX-UDD-A-W
Description: DEFINE 5 REGRESSED DIRECT RECESSED WITH ASYMMETRIC FLUSH DIFFUSER.
HIGH PERFORMANCE LIGHT ENGINE
Light Source: (184) 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

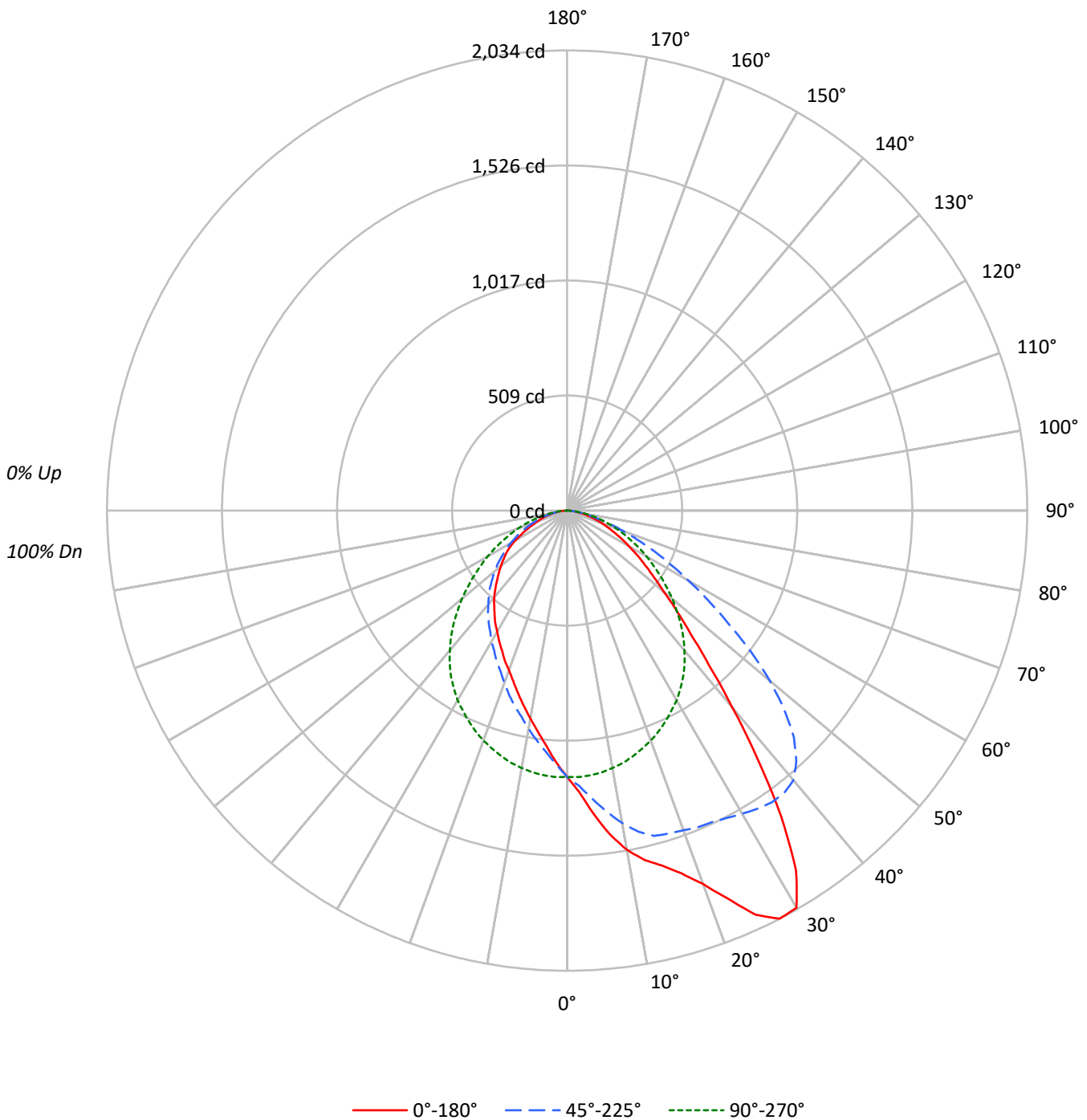
Lumens per Lamp: N/A
Luminaire Lumens: 3133.3 lumens
Efficiency: N/A
Efficacy: 132.8 lumens/watt
Spacing Criteria (0/90/45): 1.42 / 1.22 / 1.5
Luminous Opening: Rectangular (W 3.88' x L: 0.39' x H: 0')
CIE Type: Direct

Input Watts (W): 23.6
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: P243775

CATALOG NUMBER: S125RDRP-H850D835-X4F0-XX-UDD-A-W

Luminous Intensity Polar Plot



TEST NUMBER: P243775

CATALOG NUMBER: S125RDRP-H850D835-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	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	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86																												
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	75	73																												
3	92	83	75	69	90	81	74	68	78	72	67	75	70	66	73	69	65	63																												
4	85	74	65	59	83	72	65	59	70	63	58	68	62	57	66	61	56	54																												
5	78	66	58	51	76	65	57	51	63	56	51	61	55	50	59	54	50	48																												
6	73	60	51	45	71	59	51	45	57	50	45	56	49	44	54	48	44	42																												
7	67	54	46	40	66	54	46	40	52	45	40	51	44	39	49	44	39	37																												
8	63	50	42	36	61	49	41	36	48	41	36	47	40	35	45	40	35	33																												
9	59	46	38	32	57	45	38	32	44	37	32	43	37	32	42	36	32	30																												
10	55	42	35	29	54	42	34	29	41	34	29	40	34	29	39	33	29	27																												

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	8367	8367	8367	8367	8367
5°	9605	9126	8379	7640	7453
10°	10990	10124	8339	7072	6738
15°	11953	10954	8271	6585	6162
20°	13283	11372	8178	6129	5678
25°	15456	11912	8061	5776	5345
30°	16643	12700	7942	5479	5073
35°	14298	13662	7765	5241	4853
40°	10533	14436	7485	5029	4652
45°	7780	14241	7136	4843	4411
50°	6163	12925	6711	4641	4233
55°	5206	10788	6218	4356	4072
60°	4486	8812	5760	4088	3770
65°	3893	7112	5244	3752	3281
70°	3414	5403	4802	3396	2872
75°	2897	3935	4204	2999	2719
80°	2255	2849	3516	2636	2255
85°	1982	2096	2813	2243	2055

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 14241 cd/sqm



TEST NUMBER: P243775

CATALOG NUMBER: S125RDRP-H850D835-X4F0-XX-UDD-A-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.3	3.6
10°-20°	335.3	10.7
20°-30°	534.8	17.1
30°-40°	649.3	20.7
40°-50°	585.1	18.7
50°-60°	449.9	14.4
60°-70°	292.0	9.3
70°-80°	140.5	4.5
80°-90°	33.2	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°	983.3	31.4
0°-40°	1632.6	52.1
0°-60°	2667.6	85.1
0°-90°	3133.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3133.3	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1177	1177	1177	1177	1177	
5°	1346	1279	1174	1071	1045	134
15°	1624	1489	1124	895	838	466
25°	1971	1519	1028	737	682	901
35°	1648	1575	895	604	559	1008
45°	774	1417	710	482	439	615
55°	420	871	502	352	329	381
65°	232	423	312	223	195	232
75°	106	143	153	109	99	114
85°	24	26	34	28	25	28
90°	0	0	0	0	0	



TEST NUMBER: P243775

CATALOG NUMBER: S125RDRP-H850D835-X4F0-XX-UDD-A-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1177.3	1177.3	1177.3	1177.3	1177.3	1177.3	1177.3	1177.3	1177.3	1177.3	1177.3
2.5°	1245.5	1250.2	1246.4	1248.8	1245.0	1243.1	1238.5	1231.5	1224.5	1217.9	1217.5
5°	1346.3	1345.4	1341.6	1336.5	1332.8	1323.4	1318.8	1302.9	1292.2	1279.1	1272.6
7.5°	1442.5	1440.1	1434.5	1427.5	1424.3	1412.1	1399.1	1379.0	1362.2	1341.6	1326.2
10°	1522.8	1522.3	1518.1	1513.4	1500.8	1487.3	1474.7	1453.7	1428.5	1402.8	1381.3
12.5°	1581.6	1579.3	1574.1	1566.2	1555.9	1546.6	1529.8	1510.6	1479.8	1453.7	1424.3
15°	1624.5	1623.6	1616.1	1613.3	1593.3	1580.2	1557.8	1538.6	1514.8	1488.7	1457.0
17.5°	1681.5	1683.4	1676.8	1661.0	1642.7	1622.7	1590.9	1559.7	1526.5	1496.2	1470.5
20°	1756.2	1751.5	1740.3	1721.2	1688.5	1663.8	1632.0	1593.3	1548.5	1503.6	1466.8
22.5°	1856.1	1851.0	1833.2	1809.9	1768.8	1723.5	1675.0	1617.1	1565.7	1514.4	1465.8
25°	1970.9	1961.1	1935.0	1909.8	1851.4	1803.3	1731.0	1661.9	1587.2	1519.0	1464.4
27.5°	2033.5	2033.5	2021.3	1993.8	1947.6	1876.6	1802.9	1710.9	1624.5	1531.2	1453.7
30°	2027.9	2024.6	2029.3	2017.6	1987.7	1934.5	1861.2	1764.6	1654.4	1547.5	1454.6
32.5°	1883.2	1884.6	1912.6	1931.7	1946.7	1933.6	1886.0	1798.7	1689.0	1563.4	1450.9
35°	1647.9	1651.6	1701.1	1733.8	1800.5	1838.8	1850.0	1802.9	1704.4	1574.6	1444.3
37.5°	1379.0	1379.0	1436.4	1485.9	1560.6	1654.9	1725.4	1743.1	1695.0	1574.1	1438.7
40°	1135.3	1133.9	1179.2	1239.9	1319.7	1423.8	1528.8	1618.9	1630.6	1555.9	1419.1
42.5°	929.0	926.6	976.1	1009.7	1093.8	1186.7	1326.2	1453.7	1526.5	1499.4	1390.2
45°	774.0	772.1	804.3	842.6	901.9	998.5	1115.7	1257.2	1379.5	1416.8	1336.0
47.5°	657.3	658.2	675.5	707.7	758.1	827.2	932.2	1063.4	1214.7	1301.0	1267.9
50°	557.4	560.7	573.7	598.0	634.9	690.4	780.5	899.1	1054.6	1168.9	1175.9
52.5°	482.7	487.4	501.4	514.4	545.2	584.5	654.5	757.2	885.6	1022.8	1071.8
55°	420.1	422.5	430.4	444.4	467.3	500.0	550.9	629.3	748.3	870.6	957.0
57.5°	367.9	367.9	373.0	382.8	401.0	430.4	464.5	529.4	629.7	740.4	832.3
60°	315.6	317.4	321.2	331.9	344.0	366.5	399.6	440.7	527.5	619.9	718.9
62.5°	271.7	275.0	278.7	283.8	295.0	310.9	334.2	372.1	430.4	515.8	604.1
65°	231.5	234.8	235.3	241.3	248.8	261.9	279.6	307.2	355.7	422.9	495.8
67.5°	196.1	197.5	198.9	203.5	210.5	218.9	230.6	251.2	289.4	334.7	405.7
70°	164.3	165.3	165.7	170.9	174.1	181.6	187.7	200.7	225.0	260.0	315.1
72.5°	134.4	133.0	132.6	136.8	138.2	144.2	151.7	161.1	174.1	198.9	239.9
75°	105.5	106.0	106.4	108.8	109.2	112.0	116.7	122.8	128.8	143.3	169.5
77.5°	81.2	79.4	79.4	82.2	83.1	83.6	86.8	90.1	93.4	101.8	112.0
80°	55.1	56.0	56.0	56.0	56.5	57.4	59.3	62.1	64.4	69.6	71.4
82.5°	39.2	39.2	38.7	39.7	40.1	40.6	40.6	40.6	42.0	43.4	45.3
85°	24.3	24.7	23.3	24.3	24.7	24.7	24.7	24.7	26.1	25.7	26.1
87.5°	10.3	10.7	10.7	11.2	11.2	11.7	11.2	11.7	11.2	11.2	11.7
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: P243775

CATALOG NUMBER: S125RDRP-H850D835-X4F0-XX-UDD-A-W

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1177.3	1177.3	1177.3	1177.3	1177.3	1177.3	1177.3	1177.3	1177.3	1177.3	1177.3
2.5°	1216.1	1210.5	1207.7	1202.1	1194.6	1189.9	1185.3	1178.7	1173.6	1165.7	1158.7
5°	1260.9	1249.7	1239.4	1225.4	1211.9	1200.2	1188.1	1174.5	1162.4	1148.9	1134.4
7.5°	1310.8	1293.1	1271.6	1246.9	1225.9	1207.7	1187.1	1167.1	1148.9	1127.4	1107.8
10°	1358.9	1330.4	1302.0	1268.8	1238.0	1210.9	1183.4	1155.4	1131.6	1105.0	1080.7
12.5°	1396.3	1369.2	1326.7	1285.6	1245.5	1210.5	1175.9	1141.8	1110.6	1081.2	1052.2
15°	1428.9	1384.1	1348.2	1303.4	1254.4	1206.7	1163.8	1124.1	1086.3	1051.8	1022.3
17.5°	1438.3	1398.1	1358.9	1306.6	1253.9	1199.7	1150.3	1103.1	1061.1	1022.8	989.7
20°	1437.3	1396.7	1354.3	1304.3	1248.3	1189.0	1133.9	1081.2	1033.5	989.7	954.2
22.5°	1423.3	1384.1	1341.2	1290.8	1233.8	1172.7	1114.8	1056.4	1004.6	958.9	922.4
25°	1408.4	1358.9	1314.1	1263.2	1209.1	1152.6	1091.0	1027.9	973.8	926.2	885.1
27.5°	1395.3	1336.0	1281.0	1231.0	1175.5	1124.6	1063.4	997.6	942.0	892.1	849.6
30°	1374.3	1311.8	1245.0	1190.4	1136.7	1083.5	1027.5	967.7	907.0	856.2	813.7
32.5°	1356.1	1277.2	1204.9	1143.2	1089.6	1042.9	989.2	931.8	872.5	823.9	778.2
35°	1336.0	1241.7	1166.1	1093.8	1040.1	989.2	946.7	894.9	836.1	784.7	743.6
37.5°	1312.2	1205.3	1118.5	1044.7	989.2	936.9	898.6	852.4	799.2	748.3	707.7
40°	1285.6	1168.0	1068.1	992.0	932.2	880.0	847.8	806.7	761.4	711.0	673.2
42.5°	1252.0	1128.3	1022.3	939.2	873.0	825.8	793.6	759.5	718.0	674.1	633.0
45°	1209.5	1078.8	967.7	880.0	814.6	768.9	735.2	710.0	676.9	635.8	597.1
47.5°	1157.7	1027.0	911.7	820.7	757.7	713.8	682.5	657.3	632.1	596.6	559.7
50°	1089.1	967.7	857.1	764.2	697.4	655.0	626.9	606.9	584.0	555.1	521.4
52.5°	1013.5	901.0	792.7	705.8	641.4	598.9	570.0	553.2	535.9	512.1	483.2
55°	925.7	834.2	731.0	646.1	583.1	541.0	518.2	501.8	487.4	469.2	444.9
57.5°	832.8	752.5	662.9	584.5	525.2	485.5	465.4	451.9	439.7	426.7	406.6
60°	735.2	678.3	593.3	521.4	469.6	436.9	417.8	405.2	394.0	383.3	368.3
62.5°	633.5	586.3	522.8	461.7	415.5	384.7	370.7	359.9	348.2	338.9	328.2
65°	530.3	503.2	459.4	401.9	359.5	334.2	320.7	311.8	306.2	295.5	287.1
67.5°	436.5	421.5	384.2	345.4	312.8	289.9	277.3	270.8	264.7	259.6	250.2
70°	347.3	336.6	315.1	287.6	261.9	242.3	232.9	231.1	222.7	217.5	212.9
72.5°	264.7	261.9	244.1	232.0	217.5	202.1	195.1	191.4	185.8	181.1	179.3
75°	188.1	192.3	186.7	180.7	173.7	161.1	155.0	153.1	148.0	146.6	144.2
77.5°	128.4	134.4	136.3	133.5	130.2	126.0	121.8	120.0	114.8	113.9	112.5
80°	80.8	89.6	92.9	92.4	91.0	91.5	86.4	85.9	83.6	82.2	83.6
82.5°	49.0	53.7	59.8	61.2	59.3	60.2	58.8	57.0	57.0	57.9	56.0
85°	26.6	27.1	29.9	31.7	34.1	35.9	34.1	34.5	34.1	34.1	32.7
87.5°	11.7	12.1	12.1	11.7	12.6	13.5	15.4	16.3	15.9	14.5	12.6
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: P243775

CATALOG NUMBER: S125RDRP-H850D835-X4F0-XX-UDD-A-W

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1177.3	1177.3	1177.3	1177.3	1177.3	1177.3	1177.3	1177.3	1177.3	1177.3	1177.3
2.5°	1153.1	1149.8	1144.2	1139.5	1128.8	1121.3	1120.4	1120.8	1119.9	1119.0	1118.5
5°	1125.0	1114.3	1104.0	1095.2	1083.0	1070.9	1065.3	1063.0	1062.0	1056.9	1059.7
7.5°	1095.2	1078.8	1066.7	1049.9	1035.4	1025.1	1015.3	1010.7	1009.7	1002.7	1000.9
10°	1063.4	1043.8	1025.6	1008.8	994.3	979.9	968.2	964.0	958.4	952.8	944.4
12.5°	1032.1	1007.9	987.8	969.1	949.5	933.2	923.8	917.8	910.8	905.6	902.8
15°	994.8	974.3	949.5	929.4	909.4	894.9	882.3	871.1	864.6	860.4	848.7
17.5°	961.2	934.1	910.8	891.6	869.7	853.4	840.3	830.9	819.7	811.3	803.9
20°	925.2	897.2	875.8	852.9	830.5	810.4	794.1	786.6	778.7	770.7	766.5
22.5°	886.5	862.2	837.9	814.1	790.3	768.9	758.6	747.9	740.8	732.9	727.3
25°	852.9	826.3	802.0	775.4	749.3	736.6	722.6	711.9	706.3	698.4	692.3
27.5°	816.9	791.3	762.3	734.8	719.4	697.9	688.6	680.2	672.7	664.8	660.6
30°	783.3	753.5	724.5	703.0	683.0	667.6	658.7	648.4	638.1	634.4	628.8
32.5°	747.9	715.6	690.4	669.0	652.2	633.5	625.1	616.7	606.9	602.2	597.1
35°	711.0	679.7	655.0	635.3	618.1	604.1	594.7	585.9	579.8	572.8	569.1
37.5°	672.2	645.1	621.3	601.7	585.9	574.7	563.0	556.0	547.6	541.0	538.2
40°	635.3	611.1	588.2	570.0	555.5	542.0	531.7	522.8	517.7	512.1	507.4
42.5°	602.2	577.0	557.4	538.2	525.2	512.1	501.8	495.3	486.4	484.1	477.6
45°	566.7	543.4	523.8	506.0	492.5	481.8	469.6	461.7	456.1	450.5	448.1
47.5°	530.8	509.3	491.1	474.8	460.8	448.6	439.3	430.9	424.8	419.7	416.9
50°	495.8	477.1	458.9	443.0	428.5	419.7	408.5	399.1	394.5	388.9	385.6
52.5°	458.9	443.5	423.9	410.3	396.8	385.1	373.9	367.9	363.2	358.5	356.2
55°	424.3	408.0	391.2	376.7	363.7	351.5	342.6	338.0	331.9	329.1	328.6
57.5°	388.9	372.1	358.1	345.0	330.0	320.7	312.8	307.2	302.0	299.7	299.7
60°	350.1	336.6	323.5	309.0	298.3	287.6	279.2	275.4	270.3	269.4	266.1
62.5°	314.6	302.0	289.4	275.9	266.1	255.4	249.3	244.1	241.3	237.6	233.9
65°	277.8	266.6	254.4	242.7	234.8	223.1	217.5	211.5	208.2	204.0	199.3
67.5°	242.3	231.5	220.3	209.6	203.1	191.9	188.1	180.7	178.3	173.7	169.5
70°	204.9	197.5	188.6	177.9	172.3	163.4	159.7	152.7	148.9	146.1	143.8
72.5°	172.7	165.7	155.5	148.4	141.4	135.8	129.8	126.5	123.2	120.9	120.4
75°	141.0	132.1	126.0	119.5	114.8	109.2	106.4	104.1	102.7	101.3	99.9
77.5°	107.8	104.1	98.0	91.5	87.8	85.4	83.6	82.6	81.2	80.8	79.4
80°	80.3	75.2	71.4	69.1	66.3	64.4	63.0	59.8	57.9	57.0	56.0
82.5°	53.2	51.8	49.0	46.7	44.3	43.9	42.5	41.5	41.1	41.1	40.6
85°	32.2	28.5	28.5	28.0	28.0	27.5	26.6	26.6	25.7	27.1	27.1
87.5°	13.1	13.1	12.1	12.1	12.6	11.7	11.2	11.2	11.2	10.7	11.2
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: P243775

CATALOG NUMBER: S125RDRP-H850D835-X4F0-XX-UDD-A-W

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	1177.3	1177.3	1177.3	1177.3
2.5°	1118.5	1116.2	1116.6	1113.8
5°	1054.6	1053.2	1048.5	1044.7
7.5°	996.2	990.1	989.7	985.9
10°	941.6	936.0	933.2	933.6
12.5°	894.0	887.9	887.9	884.2
15°	843.1	837.0	837.9	837.5
17.5°	801.1	796.9	793.6	790.8
20°	760.0	754.9	753.0	750.7
22.5°	722.2	718.4	718.9	718.9
25°	686.2	686.7	682.5	681.6
27.5°	654.5	653.6	652.6	650.8
30°	624.6	620.9	619.9	618.1
32.5°	593.8	593.3	589.6	591.0
35°	562.5	561.1	560.2	559.3
37.5°	533.6	530.8	530.3	529.4
40°	504.2	503.2	499.0	501.4
42.5°	472.4	470.6	470.6	470.6
45°	445.8	440.7	440.7	438.8
47.5°	415.9	414.1	413.1	409.9
50°	386.5	383.7	382.8	382.8
52.5°	356.2	355.7	356.7	354.8
55°	329.6	330.0	329.6	328.6
57.5°	300.6	298.3	298.3	298.8
60°	266.1	266.1	267.0	265.2
62.5°	232.9	232.0	228.7	227.8
65°	198.9	195.1	194.7	195.1
67.5°	168.5	167.1	164.8	165.3
70°	142.4	141.9	139.6	138.2
72.5°	119.0	119.0	117.6	117.6
75°	99.4	98.5	98.0	99.0
77.5°	76.6	74.2	75.2	73.8
80°	55.6	56.5	55.6	55.1
82.5°	41.1	40.1	40.6	40.1
85°	26.1	25.2	25.7	25.2
87.5°	10.7	11.2	11.2	10.3
90°	0.0	0.0	0.0	0.0



TEST NUMBER: P243775
 CATALOG NUMBER: S125RDRP-H850D835-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	17.30	18.84	17.67	19.16	19.47	18.00	19.54	18.37	19.85	20.17
	3H	18.39	19.77	18.76	20.09	20.46	19.48	20.86	19.85	21.19	21.55
	4H	18.74	20.04	19.14	20.39	20.77	20.00	21.30	20.40	21.65	22.02
	6H	18.96	20.16	19.37	20.52	20.92	20.36	21.55	20.77	21.92	22.31
	8H	19.02	20.16	19.44	20.55	20.95	20.46	21.60	20.88	21.99	22.39
	12H	19.05	20.14	19.48	20.53	20.95	20.52	21.61	20.95	21.99	22.42
4H	2H	18.82	20.12	19.22	20.47	20.85	18.87	20.17	19.27	20.52	20.89
	3H	19.87	20.94	20.28	21.34	21.74	20.53	21.61	20.94	22.01	22.41
	4H	20.23	21.20	20.66	21.61	22.05	21.13	22.10	21.56	22.51	22.95
	6H	20.47	21.31	20.93	21.76	22.22	21.57	22.41	22.02	22.85	23.31
	8H	20.54	21.32	21.00	21.77	22.23	21.69	22.47	22.15	22.92	23.39
	12H	20.58	21.29	21.07	21.76	22.23	21.77	22.48	22.26	22.95	23.42
8H	4H	20.59	21.38	21.05	21.82	22.29	21.29	22.07	21.75	22.51	22.98
	6H	20.88	21.53	21.38	22.02	22.50	21.81	22.46	22.30	22.95	23.42
	8H	20.98	21.56	21.49	22.07	22.56	21.98	22.57	22.50	23.08	23.56
	12H	21.06	21.58	21.57	22.07	22.63	22.12	22.64	22.63	23.13	23.69
12H	4H	20.61	21.32	21.10	21.79	22.26	21.28	21.98	21.76	22.45	22.93
	6H	20.92	21.50	21.43	22.01	22.50	21.80	22.38	22.31	22.89	23.38
	8H	21.05	21.56	21.56	22.06	22.62	22.02	22.53	22.53	23.02	23.59