

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: P243791

Luminaire Tested: S125RDRP-H1090D935-X4F0-XX-UDD-A-W

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-2024  
Report Number: P243791  
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-H1090D935-X4F0-XX-UDD-A-W  
Description: DEFINE 5 REGRESSED DIRECT RECESSED WITH ASYMMETRIC FLUSH DIFFUSER.  
HIGH PERFORMANCE LIGHT ENGINE  
Light Source: (184) 3500K CCT, 90 CRI LEDS  
Ballast/Driver: -

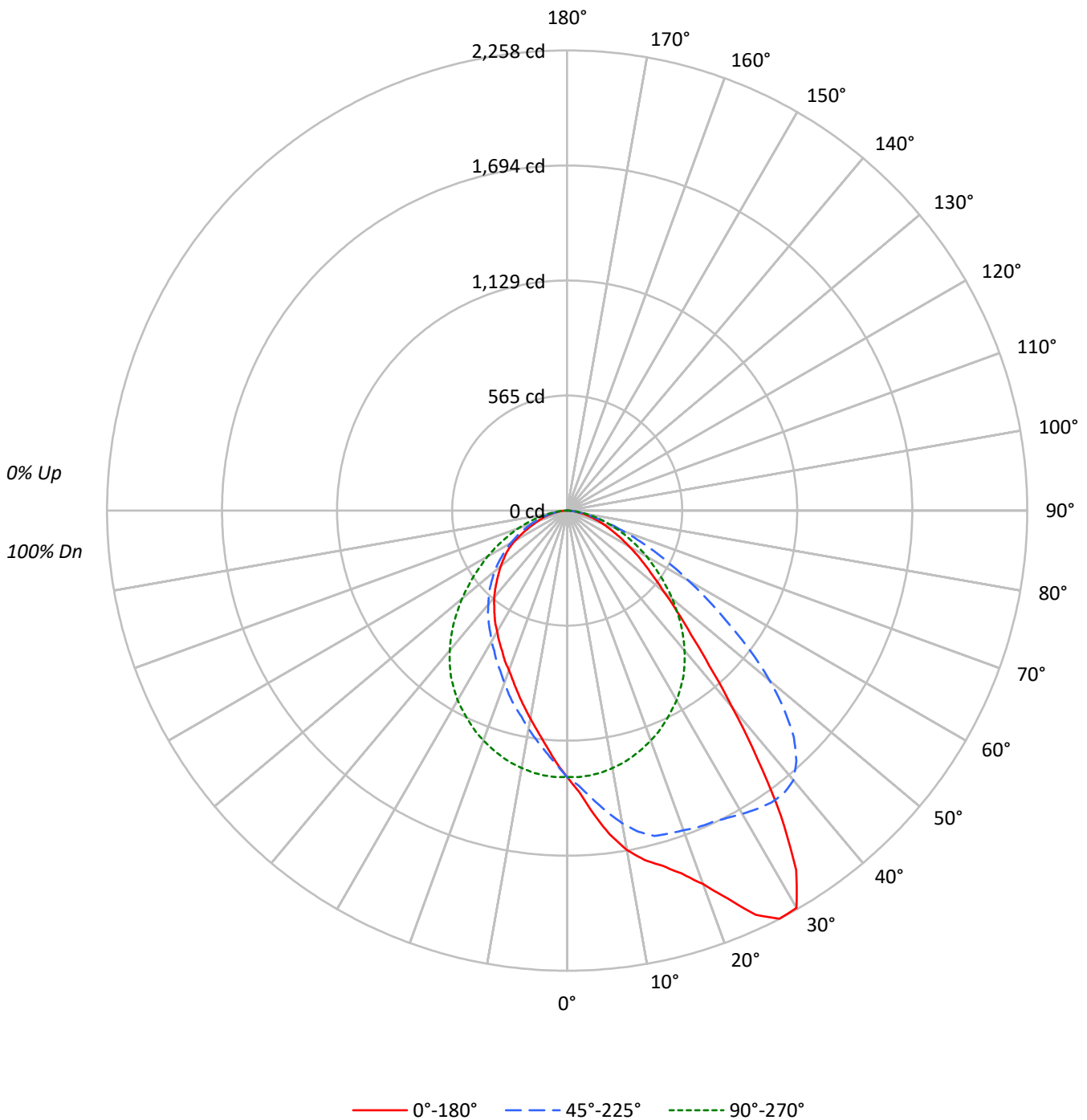
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3479.1 lumens  
Efficiency: N/A  
Efficacy: 110.4 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): 31.5  
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

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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				
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°	9291	9291	9291	9291	9291
5°	10665	10133	9305	8484	8277
10°	12202	11241	9259	7852	7482
15°	13272	12163	9184	7312	6842
20°	14749	12628	9080	6806	6304
25°	17162	13227	8951	6414	5935
30°	18479	14102	8818	6083	5632
35°	15876	15170	8622	5819	5388
40°	11696	16029	8310	5583	5165
45°	8638	15813	7924	5376	4897
50°	6843	14351	7450	5153	4699
55°	5781	11979	6904	4836	4522
60°	4981	9785	6395	4539	4185
65°	4324	7897	5824	4167	3644
70°	3792	5999	5332	3770	3188
75°	3216	4369	4668	3331	3018
80°	2505	3160	3905	2926	2505
85°	2202	2324	3131	2495	2283

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 15813 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	125.8	3.6
10°-20°	372.3	10.7
20°-30°	593.8	17.1
30°-40°	721.0	20.7
40°-50°	649.6	18.7
50°-60°	499.6	14.4
60°-70°	324.2	9.3
70°-80°	156.0	4.5
80°-90°	36.9	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°	1091.9	31.4
0°-40°	1812.8	52.1
0°-60°	2962.0	85.1
0°-90°	3479.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3479.1	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1307	1307	1307	1307	1307	
5°	1495	1420	1304	1189	1160	149
15°	1804	1653	1248	994	930	517
25°	2188	1687	1141	818	757	1001
35°	1830	1748	994	671	621	1119
45°	859	1573	788	535	487	683
55°	466	967	557	390	365	423
65°	257	470	346	248	217	258
75°	117	159	170	121	110	126
85°	27	28	38	31	28	31
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°	1307.3	1307.3	1307.3	1307.3	1307.3	1307.3	1307.3	1307.3	1307.3	1307.3	1307.3
2.5°	1382.9	1388.1	1384.0	1386.6	1382.4	1380.4	1375.2	1367.4	1359.6	1352.4	1351.8
5°	1494.9	1493.9	1489.7	1484.0	1479.9	1469.5	1464.3	1446.7	1434.8	1420.3	1413.0
7.5°	1601.7	1599.1	1592.9	1585.1	1581.5	1568.0	1553.5	1531.2	1512.5	1489.7	1472.6
10°	1690.8	1690.3	1685.7	1680.5	1666.5	1651.4	1637.5	1614.1	1586.1	1557.6	1533.8
12.5°	1756.2	1753.6	1747.9	1739.0	1727.6	1717.3	1698.6	1677.4	1643.2	1614.1	1581.5
15°	1803.8	1802.8	1794.5	1791.4	1769.1	1754.6	1729.7	1708.5	1682.0	1653.0	1617.8
17.5°	1867.1	1869.2	1861.9	1844.3	1824.1	1801.8	1766.5	1731.8	1695.0	1661.3	1632.8
20°	1950.0	1944.8	1932.4	1911.1	1874.9	1847.4	1812.1	1769.1	1719.4	1669.6	1628.6
22.5°	2060.9	2055.2	2035.5	2009.6	1964.0	1913.7	1859.8	1795.5	1738.5	1681.5	1627.6
25°	2188.5	2177.6	2148.5	2120.6	2055.8	2002.4	1922.0	1845.3	1762.4	1686.7	1626.0
27.5°	2257.9	2257.9	2244.4	2213.9	2162.5	2083.7	2001.9	1899.7	1803.8	1700.2	1614.1
30°	2251.7	2248.1	2253.2	2240.3	2207.1	2148.0	2066.6	1959.3	1837.0	1718.3	1615.2
32.5°	2091.0	2092.6	2123.7	2144.9	2161.5	2147.0	2094.1	1997.2	1875.4	1735.9	1611.0
35°	1829.8	1833.9	1888.9	1925.1	1999.3	2041.8	2054.2	2001.9	1892.5	1748.4	1603.8
37.5°	1531.2	1531.2	1594.9	1649.9	1732.8	1837.5	1915.8	1935.5	1882.1	1747.9	1597.5
40°	1260.6	1259.1	1309.3	1376.7	1465.4	1581.0	1697.6	1797.6	1810.6	1727.6	1575.8
42.5°	1031.5	1028.9	1083.9	1121.2	1214.5	1317.6	1472.6	1614.1	1695.0	1664.9	1543.6
45°	859.4	857.3	893.1	935.6	1001.4	1108.7	1238.8	1395.9	1531.7	1573.2	1483.5
47.5°	729.8	730.9	750.0	785.8	841.8	918.5	1035.1	1180.8	1348.7	1444.6	1407.8
50°	618.9	622.5	637.0	664.0	704.9	766.6	866.7	998.3	1170.9	1297.9	1305.7
52.5°	536.0	541.2	556.7	571.2	605.4	649.0	726.7	840.8	983.3	1135.7	1190.1
55°	466.5	469.1	477.9	493.5	518.9	555.1	611.6	698.7	830.9	966.7	1062.6
57.5°	408.5	408.5	414.2	425.0	445.3	477.9	515.8	587.8	699.2	822.1	924.2
60°	350.4	352.5	356.6	368.5	382.0	406.9	443.7	489.3	585.7	688.4	798.3
62.5°	301.7	305.3	309.5	315.2	327.6	345.2	371.1	413.1	477.9	572.8	670.7
65°	257.1	260.7	261.2	268.0	276.3	290.8	310.5	341.1	395.0	469.6	550.5
67.5°	217.7	219.3	220.8	226.0	233.8	243.1	256.1	278.9	321.4	371.7	450.4
70°	182.5	183.5	184.0	189.7	193.3	201.6	208.4	222.9	249.8	288.7	349.9
72.5°	149.3	147.7	147.2	151.9	153.4	160.2	168.5	178.8	193.3	220.8	266.4
75°	117.1	117.7	118.2	120.8	121.3	124.4	129.6	136.3	143.1	159.1	188.2
77.5°	90.2	88.1	88.1	91.2	92.3	92.8	96.4	100.0	103.7	113.0	124.4
80°	61.2	62.2	62.2	62.2	62.7	63.8	65.8	68.9	71.5	77.2	79.3
82.5°	43.5	43.5	43.0	44.1	44.6	45.1	45.1	45.1	46.7	48.2	50.3
85°	27.0	27.5	25.9	27.0	27.5	27.5	27.5	27.5	29.0	28.5	29.0
87.5°	11.4	11.9	11.9	12.4	12.4	13.0	12.4	13.0	12.4	12.4	13.0
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°	1307.3	1307.3	1307.3	1307.3	1307.3	1307.3	1307.3	1307.3	1307.3	1307.3	1307.3
2.5°	1350.3	1344.1	1341.0	1334.7	1326.4	1321.3	1316.1	1308.8	1303.1	1294.3	1286.5
5°	1400.1	1387.6	1376.2	1360.7	1345.6	1332.7	1319.2	1304.2	1290.7	1275.6	1259.6
7.5°	1455.5	1435.8	1412.0	1384.5	1361.2	1341.0	1318.2	1295.9	1275.6	1251.8	1230.0
10°	1508.9	1477.3	1445.7	1408.9	1374.7	1344.6	1314.0	1282.9	1256.5	1226.9	1200.0
12.5°	1550.4	1520.3	1473.1	1427.5	1382.9	1344.1	1305.7	1267.9	1233.1	1200.5	1168.4
15°	1586.7	1536.9	1497.0	1447.2	1392.8	1339.9	1292.2	1248.2	1206.2	1167.8	1135.2
17.5°	1597.0	1552.4	1508.9	1450.8	1392.3	1332.1	1277.2	1224.9	1178.2	1135.7	1098.9
20°	1596.0	1550.9	1503.7	1448.3	1386.1	1320.2	1259.1	1200.5	1147.6	1098.9	1059.5
22.5°	1580.4	1536.9	1489.2	1433.2	1370.0	1302.1	1237.8	1173.0	1115.5	1064.7	1024.3
25°	1563.8	1508.9	1459.1	1402.6	1342.5	1279.8	1211.4	1141.4	1081.3	1028.4	982.8
27.5°	1549.3	1483.5	1422.3	1366.9	1305.2	1248.7	1180.8	1107.7	1046.0	990.6	943.4
30°	1526.0	1456.6	1382.4	1321.8	1262.2	1203.1	1140.9	1074.5	1007.1	950.6	903.5
32.5°	1505.8	1418.2	1337.8	1269.4	1209.8	1158.0	1098.4	1034.6	968.8	914.9	864.1
35°	1483.5	1378.8	1294.8	1214.5	1154.9	1098.4	1051.2	993.7	928.4	871.3	825.7
37.5°	1457.1	1338.4	1242.0	1160.1	1098.4	1040.3	997.8	946.5	887.4	830.9	785.8
40°	1427.5	1296.9	1186.0	1101.5	1035.1	977.1	941.3	895.7	845.4	789.4	747.5
42.5°	1390.2	1252.8	1135.2	1042.9	969.3	917.0	881.2	843.3	797.2	748.5	702.9
45°	1343.0	1197.9	1074.5	977.1	904.5	853.7	816.4	788.4	751.6	706.0	663.0
47.5°	1285.5	1140.4	1012.3	911.3	841.3	792.6	757.8	729.8	701.8	662.4	621.5
50°	1209.3	1074.5	951.7	848.5	774.4	727.2	696.1	673.8	648.5	616.3	579.0
52.5°	1125.3	1000.4	880.2	783.7	712.2	665.0	632.9	614.2	595.1	568.6	536.5
55°	1027.9	926.3	811.7	717.4	647.4	600.8	575.4	557.2	541.2	520.9	494.0
57.5°	924.7	835.6	736.1	649.0	583.1	539.1	516.8	501.8	488.3	473.8	451.5
60°	816.4	753.2	658.8	579.0	521.5	485.2	463.9	449.9	437.5	425.6	409.0
62.5°	703.4	651.0	580.5	512.6	461.3	427.1	411.6	399.6	386.7	376.3	364.4
65°	588.8	558.8	510.1	446.3	399.1	371.1	356.1	346.3	340.0	328.1	318.8
67.5°	484.7	468.1	426.6	383.6	347.3	321.9	307.9	300.6	293.9	288.2	277.8
70°	385.6	373.7	349.9	319.3	290.8	269.0	258.7	256.6	247.3	241.5	236.4
72.5°	293.9	290.8	271.1	257.6	241.5	224.4	216.7	212.5	206.3	201.1	199.0
75°	208.9	213.6	207.3	200.6	192.8	178.8	172.1	170.0	164.3	162.8	160.2
77.5°	142.5	149.3	151.4	148.2	144.6	140.0	135.3	133.2	127.5	126.5	124.9
80°	89.7	99.5	103.2	102.6	101.1	101.6	95.9	95.4	92.8	91.2	92.8
82.5°	54.4	59.6	66.3	67.9	65.8	66.9	65.3	63.2	63.2	64.3	62.2
85°	29.5	30.1	33.2	35.2	37.8	39.9	37.8	38.4	37.8	37.8	36.3
87.5°	13.0	13.5	13.5	13.0	14.0	15.0	17.1	18.1	17.6	16.1	14.0
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°	1307.3	1307.3	1307.3	1307.3	1307.3	1307.3	1307.3	1307.3	1307.3	1307.3	1307.3
2.5°	1280.3	1276.7	1270.5	1265.3	1253.4	1245.1	1244.0	1244.5	1243.5	1242.5	1242.0
5°	1249.2	1237.3	1225.9	1216.0	1202.6	1189.1	1182.9	1180.3	1179.2	1173.5	1176.6
7.5°	1216.0	1197.9	1184.4	1165.8	1149.7	1138.3	1127.4	1122.2	1121.2	1113.4	1111.3
10°	1180.8	1159.0	1138.8	1120.1	1104.1	1088.0	1075.0	1070.4	1064.2	1057.9	1048.6
12.5°	1146.1	1119.1	1096.8	1076.1	1054.3	1036.2	1025.8	1019.1	1011.3	1005.6	1002.5
15°	1104.6	1081.8	1054.3	1032.0	1009.7	993.7	979.7	967.2	960.0	955.3	942.4
17.5°	1067.3	1037.2	1011.3	990.0	965.7	947.5	933.0	922.7	910.2	900.9	892.6
20°	1027.4	996.3	972.4	947.0	922.1	899.8	881.7	873.4	864.6	855.8	851.1
22.5°	984.3	957.4	930.4	904.0	877.6	853.7	842.3	830.4	822.6	813.8	807.6
25°	947.0	917.5	890.5	861.0	831.9	817.9	802.4	790.5	784.3	775.4	768.7
27.5°	907.1	878.6	846.5	815.9	798.8	774.9	764.6	755.2	746.9	738.1	733.5
30°	869.8	836.6	804.5	780.6	758.3	741.2	731.4	720.0	708.6	704.4	698.2
32.5°	830.4	794.6	766.6	742.8	724.1	703.4	694.1	684.7	673.8	668.7	663.0
35°	789.4	754.7	727.2	705.5	686.3	670.7	660.4	650.5	643.8	636.0	631.9
37.5°	746.4	716.4	689.9	668.1	650.5	638.1	625.1	617.3	608.0	600.8	597.7
40°	705.5	678.5	653.1	632.9	616.8	601.8	590.4	580.5	574.8	568.6	563.4
42.5°	668.7	640.7	618.9	597.7	583.1	568.6	557.2	550.0	540.1	537.5	530.3
45°	629.3	603.4	581.6	561.9	546.9	534.9	521.5	512.6	506.4	500.2	497.6
47.5°	589.4	565.5	545.3	527.2	511.6	498.1	487.8	478.4	471.7	466.0	462.9
50°	550.5	529.7	509.5	491.9	475.8	466.0	453.6	443.2	438.0	431.8	428.2
52.5°	509.5	492.4	470.7	455.6	440.6	427.6	415.2	408.5	403.3	398.1	395.5
55°	471.2	453.0	434.4	418.3	403.8	390.3	380.5	375.3	368.5	365.4	364.9
57.5°	431.8	413.1	397.6	383.1	366.5	356.1	347.3	341.1	335.4	332.8	332.8
60°	388.8	373.7	359.2	343.1	331.2	319.3	310.0	305.8	300.1	299.1	295.5
62.5°	349.4	335.4	321.4	306.3	295.5	283.5	276.8	271.1	268.0	263.8	259.7
65°	308.4	296.0	282.5	269.5	260.7	247.8	241.5	234.8	231.2	226.5	221.3
67.5°	269.0	257.1	244.7	232.7	225.5	213.0	208.9	200.6	198.0	192.8	188.2
70°	227.6	219.3	209.4	197.5	191.3	181.4	177.3	169.5	165.4	162.2	159.7
72.5°	191.8	184.0	172.6	164.8	157.1	150.8	144.1	140.5	136.8	134.3	133.7
75°	156.5	146.7	140.0	132.7	127.5	121.3	118.2	115.6	114.0	112.5	110.9
77.5°	119.7	115.6	108.9	101.6	97.4	94.9	92.8	91.7	90.2	89.7	88.1
80°	89.2	83.5	79.3	76.7	73.6	71.5	70.0	66.3	64.3	63.2	62.2
82.5°	59.1	57.5	54.4	51.8	49.2	48.7	47.2	46.1	45.6	45.6	45.1
85°	35.8	31.6	31.6	31.1	31.1	30.6	29.5	29.5	28.5	30.1	30.1
87.5°	14.5	14.5	13.5	13.5	14.0	13.0	12.4	12.4	12.4	11.9	12.4
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: P243791

CATALOG NUMBER: S125RDRP-H1090D935-X4F0-XX-UDD-A-W

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°
0°	1307.3	1307.3	1307.3	1307.3
2.5°	1242.0	1239.4	1239.9	1236.8
5°	1170.9	1169.4	1164.2	1160.1
7.5°	1106.1	1099.4	1098.9	1094.7
10°	1045.5	1039.3	1036.2	1036.7
12.5°	992.6	985.9	985.9	981.7
15°	936.1	929.4	930.4	929.9
17.5°	889.5	884.8	881.2	878.1
20°	843.9	838.2	836.1	833.5
22.5°	801.9	797.7	798.3	798.3
25°	762.0	762.5	757.8	756.8
27.5°	726.7	725.7	724.6	722.6
30°	693.5	689.4	688.4	686.3
32.5°	659.3	658.8	654.7	656.2
35°	624.6	623.1	622.0	621.0
37.5°	592.5	589.4	588.8	587.8
40°	559.8	558.8	554.1	556.7
42.5°	524.6	522.5	522.5	522.5
45°	495.0	489.3	489.3	487.2
47.5°	461.8	459.8	458.7	455.1
50°	429.2	426.1	425.0	425.0
52.5°	395.5	395.0	396.0	393.9
55°	366.0	366.5	366.0	364.9
57.5°	333.8	331.2	331.2	331.7
60°	295.5	295.5	296.5	294.4
62.5°	258.7	257.6	254.0	253.0
65°	220.8	216.7	216.2	216.7
67.5°	187.1	185.6	183.0	183.5
70°	158.1	157.6	155.0	153.4
72.5°	132.2	132.2	130.6	130.6
75°	110.4	109.4	108.9	109.9
77.5°	85.0	82.4	83.5	81.9
80°	61.7	62.7	61.7	61.2
82.5°	45.6	44.6	45.1	44.6
85°	29.0	28.0	28.5	28.0
87.5°	11.9	12.4	12.4	11.4
90°	0.0	0.0	0.0	0.0



TEST NUMBER: P243791  
 CATALOG NUMBER: S125RDRP-H1090D935-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	17.67	19.21	18.03	19.52	19.83	18.36	19.90	18.73	20.22	20.53
	3H	18.75	20.13	19.13	20.46	20.82	19.84	21.22	20.22	21.55	21.91
	4H	19.11	20.40	19.51	20.75	21.13	20.36	21.66	20.76	22.01	22.39
	6H	19.32	20.52	19.74	20.89	21.28	20.72	21.92	21.13	22.28	22.68
	8H	19.38	20.52	19.81	20.91	21.31	20.82	21.96	21.25	22.35	22.75
	12H	19.42	20.51	19.85	20.89	21.32	20.88	21.97	21.31	22.35	22.78
4H	2H	19.19	20.48	19.59	20.83	21.21	19.24	20.53	19.64	20.88	21.26
	3H	20.23	21.31	20.64	21.71	22.11	20.90	21.97	21.31	22.37	22.77
	4H	20.59	21.56	21.03	21.98	22.41	21.50	22.46	21.93	22.88	23.32
	6H	20.84	21.68	21.30	22.12	22.58	21.93	22.77	22.39	23.21	23.67
	8H	20.90	21.69	21.36	22.13	22.60	22.05	22.84	22.52	23.28	23.75
	12H	20.95	21.65	21.43	22.13	22.60	22.14	22.84	22.62	23.32	23.79
8H	4H	20.95	21.74	21.42	22.18	22.65	21.65	22.43	22.11	22.88	23.34
	6H	21.25	21.90	21.74	22.39	22.86	22.17	22.82	22.67	23.31	23.79
	8H	21.34	21.92	21.86	22.43	22.92	22.35	22.93	22.86	23.44	23.93
	12H	21.43	21.94	21.94	22.43	23.00	22.49	23.00	23.00	23.49	24.06
12H	4H	20.98	21.68	21.46	22.16	22.63	21.64	22.34	22.12	22.82	23.29
	6H	21.28	21.86	21.79	22.37	22.86	22.16	22.75	22.68	23.26	23.74
	8H	21.41	21.93	21.92	22.42	22.98	22.38	22.90	22.89	23.39	23.95