

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: P243603

Luminaire Tested: S124RDRP-H795D835-X4F0-XX-UDD-A-W

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-2024  
Report Number: P243603  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1802-639-70)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: NEO-RAY  
Catalog Number: S124RDRP-H795D835-X4F0-XX-UDD-A-W  
Description: DEFINE 4 REGRESSED DIRECT RECESSED WITH ASYMMETRIC FLUSH DIFFUSER.  
HIGH PERFORMANCE LIGHT ENGINE  
Light Source: (184) 3500K CCT, 80 CRI LEDS  
Ballast/Driver: -

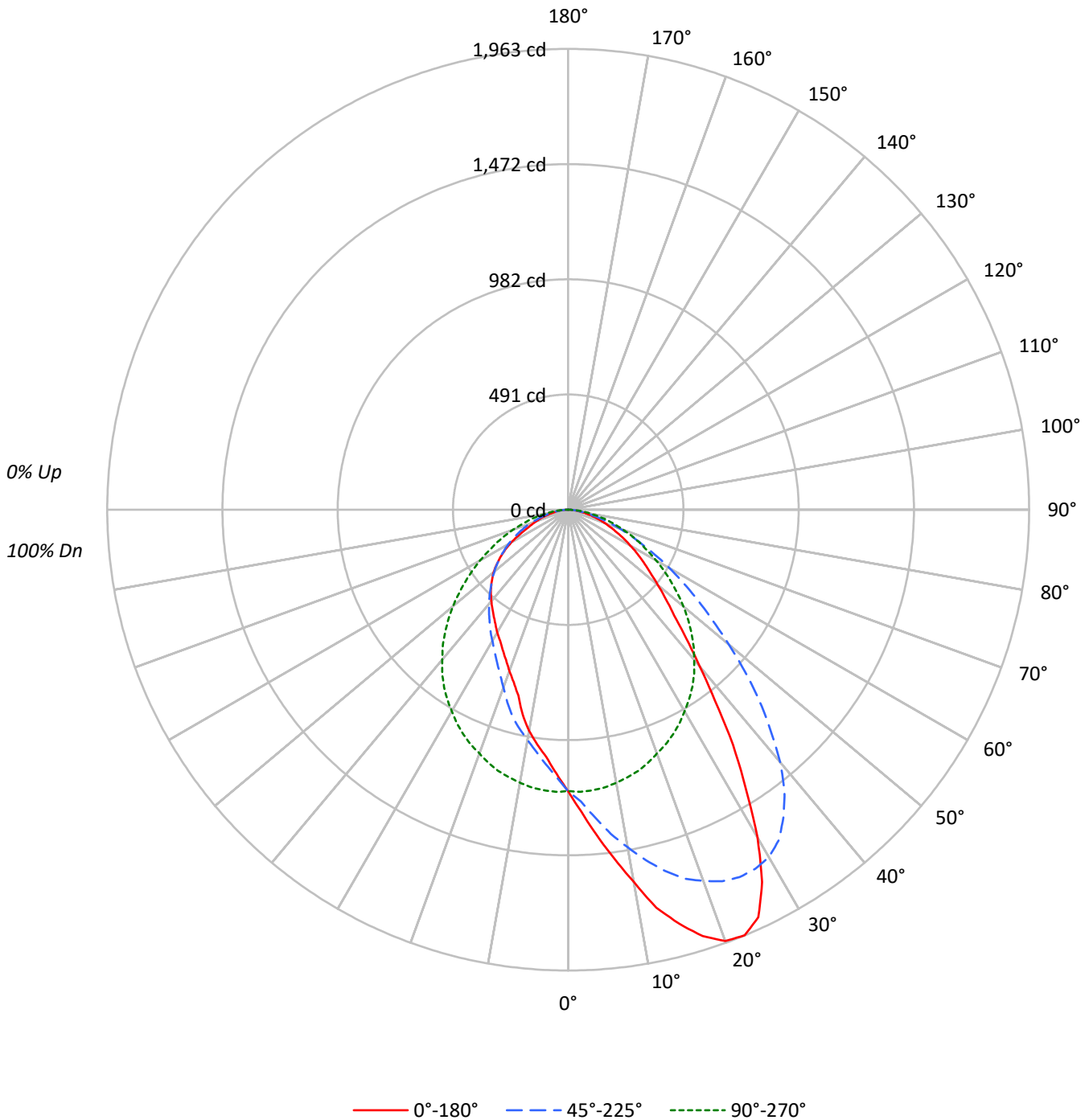
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3094.1 lumens  
Efficiency: N/A  
Efficacy: 131.1 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 1.23 / 1.39  
Luminous Opening: Rectangular (W 3.88' x L: 0.31' 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: P243603

CATALOG NUMBER: S124RDRP-H795D835-X4F0-XX-UDD-A-W

### Luminous Intensity Polar Plot



TEST NUMBER: P243603

CATALOG NUMBER: S124RDRP-H795D835-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	110	105	102	98	107	103	100	97	99	96	93	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	76	70	66	73	69	65					63				
4	85	74	66	59	83	73	65	59	70	63	58	68	62	57	66	61	57					55				
5	79	66	58	52	77	65	57	51	63	56	51	61	55	50	60	54	50					48				
6	73	60	52	46	71	59	51	45	58	50	45	56	50	45	54	49	44					42				
7	68	55	46	41	66	54	46	40	53	45	40	51	45	40	50	44	40					38				
8	63	50	42	36	62	50	42	36	48	41	36	47	41	36	46	40	36					34				
9	59	46	38	33	58	46	38	33	45	38	33	43	37	33	42	37	32					31				
10	56	43	35	30	54	42	35	30	41	35	30	40	34	30	39	34	30					28				

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

	0°	45°	90°	135°	180°
0°	10656	10656	10656	10656	10656
5°	12413	11742	10701	9714	9448
10°	14537	13184	10656	8988	8638
15°	16797	14659	10603	8399	7544
20°	18494	15920	10453	7626	6916
25°	18791	16936	10357	7037	6465
30°	16540	17537	10173	6622	6201
35°	13272	17340	10000	6327	5998
40°	10097	16289	9680	6072	5905
45°	8016	14472	9325	5863	5833
50°	6883	12337	8864	5675	5733
55°	6077	10476	8291	5477	5455
60°	5444	8855	7694	5228	4996
65°	4791	7286	7109	4871	4202
70°	4270	6006	6456	4465	3787
75°	3719	4715	5869	3929	3366
80°	3153	3609	5042	3322	3107
85°	2764	2947	4335	3233	3141

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 55°  
 Vertical Angle: 45°  
 Luminance: 15575 cd/sqm



TEST NUMBER: P243603

CATALOG NUMBER: S124RDRP-H795D835-X4F0-XX-UDD-A-W

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	116.3	3.8
10°-20°	352.8	11.4
20°-30°	550.5	17.8
30°-40°	613.9	19.8
40°-50°	551.9	17.8
50°-60°	436.1	14.1
60°-70°	289.6	9.4
70°-80°	145.2	4.7
80°-90°	37.8	1.2
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°	1019.6	33.0
0°-40°	1633.5	52.8
0°-60°	2621.5	84.7
0°-90°	3094.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3094.1	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1199	1199	1199	1199	1199	
5°	1391	1316	1199	1089	1059	139
15°	1825	1593	1152	913	820	519
25°	1916	1727	1056	718	659	857
35°	1223	1598	922	583	553	760
45°	638	1151	742	466	464	505
55°	392	676	535	353	352	353
65°	228	346	338	232	200	228
75°	108	137	171	114	98	116
85°	27	29	42	32	31	30
90°	0	0	0	0	0	



TEST NUMBER: P243603

CATALOG NUMBER: S124RDRP-H795D835-X4F0-XX-UDD-A-W

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1198.8	1198.8	1198.8	1198.8	1198.8	1198.8	1198.8	1198.8	1198.8	1198.8	1198.8
2.5°	1287.5	1282.9	1282.4	1276.3	1275.9	1269.8	1267.9	1262.8	1252.5	1244.6	1245.1
5°	1391.2	1387.4	1387.0	1380.9	1379.0	1371.6	1359.9	1345.9	1329.6	1316.0	1307.2
7.5°	1497.6	1504.2	1497.2	1497.2	1483.6	1474.7	1451.9	1440.2	1412.2	1392.6	1372.0
10°	1610.6	1616.7	1613.9	1608.3	1590.5	1572.3	1548.5	1525.6	1491.6	1460.7	1440.2
12.5°	1736.6	1718.4	1730.1	1712.8	1698.4	1669.4	1646.5	1600.8	1573.7	1528.9	1488.8
15°	1825.3	1818.3	1817.9	1806.2	1790.3	1758.6	1733.8	1686.2	1640.0	1592.9	1547.6
17.5°	1904.7	1905.6	1899.1	1880.4	1859.9	1829.1	1795.5	1753.0	1700.2	1647.9	1594.3
20°	1955.1	1955.6	1950.9	1941.1	1918.7	1890.7	1856.2	1800.6	1740.8	1683.0	1629.3
22.5°	1962.6	1964.0	1962.6	1956.5	1941.1	1918.2	1886.5	1839.3	1779.1	1712.8	1648.9
25°	1915.9	1920.6	1921.0	1929.4	1921.5	1912.6	1889.3	1849.6	1794.1	1726.8	1657.3
27.5°	1788.0	1801.1	1813.2	1828.1	1841.7	1853.8	1855.7	1834.7	1787.1	1724.5	1658.2
30°	1611.5	1626.9	1651.2	1667.1	1709.1	1735.7	1771.7	1779.6	1756.7	1708.6	1644.7
32.5°	1406.1	1422.5	1431.8	1484.1	1544.3	1587.7	1647.5	1683.0	1691.8	1669.0	1616.7
35°	1223.1	1225.9	1232.9	1292.2	1352.0	1417.8	1492.0	1553.6	1595.7	1598.0	1572.3
37.5°	1027.0	1030.3	1057.9	1103.1	1155.0	1227.3	1312.8	1400.5	1477.5	1513.0	1505.6
40°	870.2	869.3	898.7	937.9	988.3	1063.5	1151.7	1247.4	1329.6	1403.8	1421.5
42.5°	743.2	746.5	771.7	794.6	843.1	895.9	990.2	1089.6	1195.1	1276.3	1330.5
45°	637.7	646.1	663.4	684.9	721.3	769.8	846.8	945.8	1053.7	1151.2	1216.1
47.5°	564.9	567.2	576.1	602.7	627.0	666.2	732.0	816.0	911.7	1021.0	1106.4
50°	497.7	503.3	506.5	522.4	546.2	583.5	634.4	697.0	791.8	892.1	999.0
52.5°	439.8	443.0	449.1	463.6	482.2	508.4	548.5	603.6	682.5	775.4	876.3
55°	392.1	392.6	398.7	409.0	423.4	443.5	481.8	521.5	591.5	676.0	767.5
57.5°	349.2	346.4	352.0	358.1	372.1	389.3	414.1	454.7	509.3	581.2	663.8
60°	306.2	308.6	308.1	315.1	322.6	339.9	360.9	387.5	432.3	498.1	568.1
62.5°	266.1	265.6	270.3	274.5	279.6	293.6	310.9	332.9	367.9	416.4	484.1
65°	227.8	228.8	232.5	235.8	241.4	250.2	263.3	281.0	309.0	346.4	403.3
67.5°	193.3	196.5	198.4	199.3	204.5	211.0	222.2	236.7	255.8	285.7	333.3
70°	164.3	165.3	166.2	169.5	171.8	175.5	183.9	191.9	209.1	231.1	265.6
72.5°	137.3	136.3	139.1	140.1	141.0	144.7	149.9	154.1	165.3	183.9	205.4
75°	108.3	108.8	109.2	110.6	114.4	114.8	117.2	121.8	129.8	137.3	151.7
77.5°	81.2	82.6	82.2	83.6	85.0	86.4	87.3	91.5	97.1	103.2	110.2
80°	61.6	61.6	61.6	62.6	61.6	64.9	64.9	66.3	67.7	70.5	75.6
82.5°	42.0	42.9	43.4	43.9	44.3	44.3	44.8	45.8	47.6	48.6	50.0
85°	27.1	26.1	26.6	26.6	26.6	26.6	27.5	28.5	28.5	28.9	30.3
87.5°	12.1	12.1	12.1	12.1	11.7	12.1	12.6	12.6	13.1	13.1	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



TEST NUMBER: P243603

CATALOG NUMBER: S124RDRP-H795D835-X4F0-XX-UDD-A-W

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1198.8	1198.8	1198.8	1198.8	1198.8	1198.8	1198.8	1198.8	1198.8	1198.8	1198.8
2.5°	1242.3	1240.9	1233.9	1226.4	1219.4	1212.4	1210.0	1203.0	1194.6	1187.2	1178.8
5°	1297.8	1286.6	1271.2	1255.3	1239.0	1224.1	1212.4	1199.3	1184.4	1166.6	1152.6
7.5°	1353.8	1333.3	1308.1	1284.7	1256.7	1234.3	1211.9	1193.2	1171.8	1146.6	1127.4
10°	1408.5	1374.4	1343.6	1306.7	1271.2	1240.4	1211.9	1180.6	1152.2	1125.1	1098.5
12.5°	1451.9	1417.8	1373.4	1328.2	1282.4	1242.3	1204.0	1167.1	1131.6	1098.9	1069.5
15°	1501.4	1452.3	1397.7	1347.8	1285.2	1235.7	1191.8	1152.2	1111.5	1071.9	1039.7
17.5°	1537.8	1479.9	1412.2	1354.8	1294.5	1232.9	1180.2	1130.2	1083.5	1042.0	1008.8
20°	1565.8	1497.2	1429.5	1356.6	1284.7	1221.7	1162.4	1105.0	1057.9	1012.6	977.6
22.5°	1577.9	1505.6	1430.4	1351.5	1274.9	1203.5	1141.9	1082.6	1029.4	982.7	942.1
25°	1583.1	1503.7	1425.7	1336.1	1258.6	1185.8	1117.1	1056.0	1001.4	948.6	908.5
27.5°	1578.9	1493.9	1404.3	1319.8	1232.0	1160.6	1087.7	1025.6	968.7	917.8	873.0
30°	1567.6	1471.5	1382.3	1287.5	1203.0	1127.9	1056.9	991.1	933.7	881.9	837.5
32.5°	1538.7	1446.3	1345.0	1252.5	1161.5	1087.3	1022.8	958.0	899.6	845.4	802.5
35°	1502.8	1412.2	1306.2	1209.6	1119.5	1044.3	979.4	921.5	864.1	806.7	762.8
37.5°	1457.5	1365.5	1263.3	1159.2	1070.9	998.1	938.8	880.5	823.5	770.8	721.7
40°	1396.3	1312.3	1209.6	1105.0	1016.3	946.3	887.9	834.2	783.8	732.0	679.3
42.5°	1320.2	1256.3	1150.3	1047.1	960.3	890.7	838.9	790.8	742.3	689.1	641.4
45°	1239.0	1184.4	1088.2	984.1	901.5	833.8	784.3	741.8	696.1	648.9	599.0
47.5°	1147.5	1106.9	1023.8	920.6	833.8	775.9	730.1	691.4	649.8	607.8	559.3
50°	1044.3	1019.6	948.6	854.8	772.2	713.3	675.5	641.0	605.5	563.5	521.9
52.5°	941.1	936.5	870.2	787.6	709.6	655.0	618.1	586.4	557.4	517.7	482.7
55°	832.8	846.8	791.8	715.7	646.1	593.4	560.7	535.0	509.8	476.2	442.6
57.5°	736.7	752.5	714.7	644.7	579.8	535.0	507.0	483.6	461.7	430.9	408.5
60°	630.2	659.2	639.1	575.1	517.7	477.6	451.4	432.8	414.6	387.9	368.3
62.5°	546.2	566.3	554.6	507.0	456.1	423.4	400.1	382.8	368.3	347.8	328.7
65°	456.1	481.3	475.2	444.0	399.1	369.3	351.5	338.0	323.1	306.7	290.8
67.5°	374.9	401.0	399.6	378.1	345.0	320.3	303.4	293.6	281.5	265.6	255.8
70°	301.6	325.9	326.8	316.1	292.7	269.4	257.2	248.4	239.0	227.4	220.3
72.5°	234.4	256.3	260.0	254.9	240.0	224.5	213.8	207.7	199.8	190.0	183.9
75°	175.1	190.9	199.8	197.5	191.4	181.1	175.1	170.9	162.9	155.9	150.8
77.5°	124.6	137.3	146.1	149.9	147.1	142.9	137.3	134.0	125.6	122.3	119.5
80°	83.6	94.8	102.7	105.0	106.4	105.5	100.4	98.5	94.3	92.9	90.1
82.5°	51.4	57.4	63.0	69.1	71.9	71.9	69.1	69.6	65.8	64.0	63.0
85°	31.3	32.7	33.6	38.3	42.0	43.4	42.0	42.5	41.1	39.7	38.3
87.5°	14.5	14.5	14.9	15.9	16.8	19.6	20.5	21.9	20.1	20.1	16.8
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: P243603

CATALOG NUMBER: S124RDRP-H795D835-X4F0-XX-UDD-A-W

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1198.8	1198.8	1198.8	1198.8	1198.8	1198.8	1198.8	1198.8	1198.8	1198.8	1198.8
2.5°	1173.6	1167.6	1162.9	1155.4	1149.4	1139.6	1136.3	1136.3	1138.2	1135.8	1138.2
5°	1142.8	1131.6	1119.5	1108.7	1097.1	1088.7	1080.3	1078.4	1077.5	1071.9	1072.3
7.5°	1112.0	1097.1	1081.7	1067.7	1053.2	1040.1	1031.2	1027.5	1024.2	1020.5	1016.3
10°	1078.9	1061.6	1043.4	1027.5	1013.5	995.8	986.9	984.1	974.8	972.9	966.4
12.5°	1043.9	1026.1	1007.9	987.4	973.8	956.6	943.5	937.4	928.5	922.0	912.2
15°	1016.3	993.9	969.6	949.6	931.8	912.7	894.9	883.3	871.6	853.4	844.5
17.5°	982.2	956.6	935.5	914.1	888.4	860.4	839.4	822.1	809.5	794.6	785.7
20°	945.4	921.5	895.4	865.1	838.0	806.2	787.1	772.6	762.8	753.9	749.3
22.5°	912.7	885.1	849.2	820.2	782.4	757.2	741.8	732.5	723.1	713.8	709.1
25°	877.2	845.0	801.1	765.6	737.1	717.5	702.6	693.7	683.9	678.3	671.3
27.5°	842.2	800.6	756.7	724.5	702.1	679.3	666.6	659.6	652.2	644.2	638.6
30°	799.7	752.5	716.1	686.7	664.3	645.2	635.8	625.6	619.0	614.4	611.1
32.5°	755.3	710.1	676.9	651.7	629.8	615.3	603.6	597.1	591.5	586.4	582.6
35°	713.8	669.9	641.9	617.6	599.4	583.1	574.2	568.1	563.5	559.3	557.4
37.5°	672.7	635.4	605.0	585.9	566.7	553.7	545.3	539.7	536.9	532.7	533.1
40°	632.1	598.5	574.2	552.3	534.5	523.3	516.8	514.5	510.3	508.9	510.3
42.5°	595.7	564.9	541.5	521.0	505.6	494.9	489.7	486.4	485.0	484.6	485.0
45°	560.2	531.3	508.9	492.0	476.2	466.4	462.2	459.8	458.4	460.8	461.2
47.5°	524.7	498.6	478.5	458.9	445.8	438.8	434.6	432.8	434.2	435.1	438.4
50°	489.7	465.4	444.4	427.2	416.9	410.4	409.0	405.7	408.0	409.4	411.8
52.5°	454.2	432.3	413.6	397.3	386.5	382.3	379.1	377.7	380.9	380.9	383.3
55°	418.3	399.1	381.9	366.9	358.5	353.4	351.1	349.2	351.1	351.5	351.1
57.5°	384.7	366.5	348.3	335.7	328.7	323.1	320.7	319.8	319.3	321.2	320.7
60°	349.2	331.9	317.5	304.4	297.4	294.1	289.0	289.9	289.9	289.9	285.2
62.5°	313.7	296.4	283.8	275.0	266.6	261.0	260.0	258.6	255.8	255.4	249.3
65°	277.3	264.2	253.5	244.6	236.2	231.6	230.2	226.0	222.7	216.6	212.4
67.5°	243.7	234.4	221.7	214.3	207.3	201.7	196.5	193.3	186.7	180.7	176.9
70°	210.1	200.3	191.9	183.9	176.9	171.8	165.7	159.7	155.5	151.7	148.9
72.5°	176.5	168.1	161.1	153.6	146.1	141.0	136.3	131.6	129.8	127.9	126.5
75°	145.2	137.3	130.7	124.6	120.4	114.4	112.0	110.2	108.3	106.0	103.2
77.5°	114.8	108.8	103.6	98.5	94.8	91.5	89.6	84.0	79.4	78.4	77.5
80°	85.4	80.8	77.5	73.8	69.6	64.9	63.5	61.6	60.7	60.7	61.2
82.5°	59.8	57.0	53.2	50.0	48.6	46.7	46.7	46.2	45.8	46.2	46.2
85°	36.4	32.7	31.7	31.3	31.7	31.7	31.7	31.7	31.3	31.7	30.8
87.5°	15.9	17.3	17.7	16.3	16.8	15.9	16.3	16.3	16.3	16.8	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: P243603

CATALOG NUMBER: S124RDRP-H795D835-X4F0-XX-UDD-A-W

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°
0°	1198.8	1198.8	1198.8	1198.8
2.5°	1135.4	1135.4	1130.7	1127.0
5°	1071.4	1065.3	1064.4	1058.8
7.5°	1011.6	1010.7	1008.4	1008.4
10°	964.0	960.8	957.5	957.0
12.5°	896.8	901.5	895.9	894.5
15°	838.0	834.2	829.6	819.8
17.5°	783.4	776.4	774.5	770.3
20°	740.4	735.3	733.4	731.1
22.5°	699.8	698.9	693.3	691.9
25°	669.9	665.2	661.5	659.2
27.5°	637.2	634.0	632.1	628.4
30°	607.4	606.4	604.1	604.1
32.5°	580.3	577.5	577.5	577.0
35°	555.5	556.5	553.7	552.7
37.5°	532.2	530.8	531.3	530.3
40°	509.3	508.4	508.4	508.9
42.5°	486.0	486.4	487.4	487.4
45°	462.6	463.1	464.0	464.0
47.5°	440.7	439.8	440.7	439.8
50°	412.7	415.5	415.0	414.6
52.5°	384.2	383.3	385.1	384.7
55°	353.4	352.0	353.9	352.0
57.5°	318.9	319.3	319.3	318.4
60°	284.3	282.9	281.0	281.0
62.5°	244.2	240.0	237.2	239.0
65°	205.4	202.1	201.2	199.8
67.5°	174.6	170.9	169.5	169.0
70°	148.0	146.1	145.7	145.7
72.5°	125.6	125.6	124.2	123.2
75°	102.2	100.4	98.0	98.0
77.5°	76.6	76.1	75.6	75.6
80°	59.8	59.8	60.2	60.7
82.5°	44.8	45.3	45.8	45.8
85°	30.3	30.3	30.8	30.8
87.5°	16.3	16.3	16.3	15.9
90°	0.0	0.0	0.0	0.0



TEST NUMBER: P243603  
 CATALOG NUMBER: S124RDRP-H795D835-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	17.56	19.10	17.93	19.41	19.72	19.26	20.79	19.62	21.11	21.42
	3H	18.79	20.17	19.17	20.50	20.86	20.74	22.12	21.12	22.45	22.81
	4H	19.23	20.52	19.63	20.87	21.25	21.28	22.57	21.68	22.92	23.30
	6H	19.51	20.70	19.92	21.07	21.46	21.67	22.86	22.08	23.23	23.62
	8H	19.59	20.73	20.02	21.12	21.52	21.79	22.93	22.21	23.32	23.72
	12H	19.64	20.73	20.07	21.11	21.54	21.87	22.95	22.30	23.34	23.77
4H	2H	18.77	20.06	19.17	20.41	20.79	19.79	21.08	20.18	21.43	21.80
	3H	20.04	21.11	20.45	21.51	21.91	21.56	22.63	21.97	23.03	23.43
	4H	20.51	21.47	20.94	21.89	22.33	22.22	23.18	22.65	23.60	24.04
	6H	20.84	21.68	21.30	22.12	22.58	22.72	23.56	23.17	24.00	24.46
	8H	20.94	21.73	21.41	22.17	22.64	22.87	23.66	23.34	24.10	24.57
	12H	21.02	21.72	21.50	22.20	22.67	22.99	23.69	23.47	24.17	24.64
8H	4H	20.92	21.71	21.38	22.15	22.62	22.35	23.13	22.81	23.58	24.04
	6H	21.32	21.97	21.81	22.46	22.94	22.94	23.59	23.44	24.08	24.56
	8H	21.46	22.05	21.98	22.56	23.04	23.16	23.75	23.68	24.26	24.74
	12H	21.59	22.10	22.09	22.59	23.16	23.34	23.86	23.85	24.35	24.91
12H	4H	20.96	21.67	21.44	22.14	22.61	22.34	23.04	22.82	23.52	23.99
	6H	21.37	21.96	21.89	22.47	22.95	22.94	23.52	23.45	24.03	24.52
	8H	21.57	22.08	22.08	22.57	23.14	23.20	23.71	23.71	24.21	24.77