

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: P242936

Luminaire Tested: S125RDRP-S1090D940-X4F0-XX-UDD-A-W

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-2024  
Report Number: P242936  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1802-639-32)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: NEO-RAY  
Catalog Number: S125RDRP-S1090D940-X4F0-XX-UDD-A-W  
Description: DEFINE 5 REGRESSED DIRECT RECESSED WITH ASYMMETRIC FLUSH DIFFUSER  
STANDARD LIGHT ENGINE  
Light Source: (92) 4000K CCT, 90 CRI LEDS  
Ballast/Driver: -

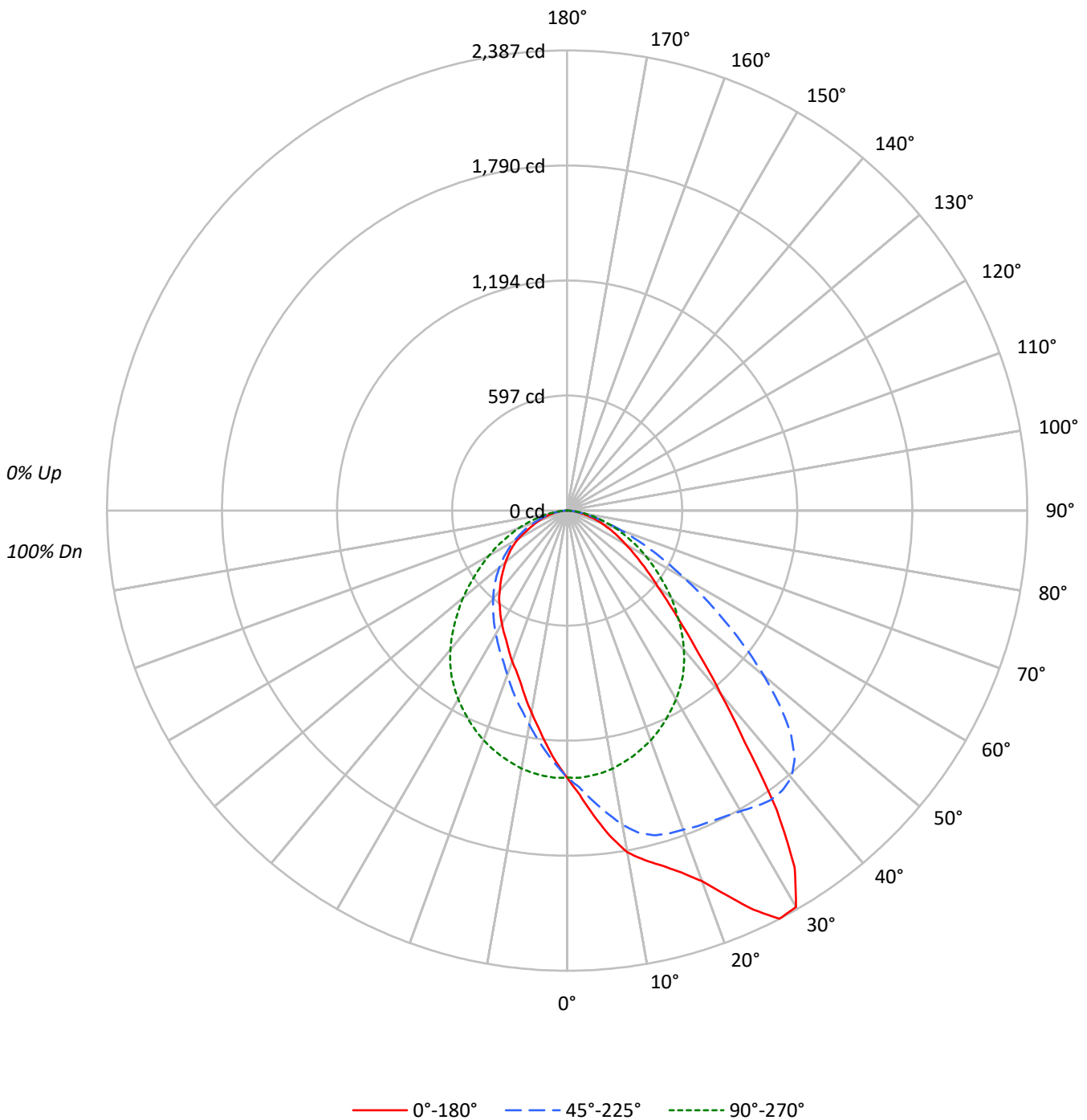
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3588.4 lumens  
Efficiency: N/A  
Efficacy: 103.1 lumens/watt  
Spacing Criteria (0/90/45): 1.4 / 1.21 / 1.48  
Luminous Opening: Rectangular (W 3.88' x L: 0.39' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 34.8  
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	69	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	45	71	59	51	45	57	50	45	56	49	44	54	49	44					42				
7	68	55	46	40	66	54	46	40	52	45	40	51	44	40	50	44	39					37				
8	63	50	42	36	61	49	42	36	48	41	36	47	40	36	46	40	35					34				
9	59	46	38	33	58	45	38	33	44	37	32	43	37	32	42	36	32					30				
10	55	42	35	30	54	42	35	30	41	34	30	40	34	29	39	33	29					28				

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

	0°	45°	90°	135°	180°
0°	9844	9844	9844	9844	9844
5°	11325	10765	9857	8956	8705
10°	12991	11941	9806	8141	7681
15°	14031	12830	9705	7476	6828
20°	15472	13322	9589	6863	6304
25°	17906	13933	9434	6416	5849
30°	19485	14772	9271	6061	5553
35°	16437	15924	9082	5781	5278
40°	11478	16785	8741	5539	5043
45°	8514	16515	8280	5309	4812
50°	6789	14717	7802	5061	4614
55°	5763	12357	7207	4804	4439
60°	4978	10013	6675	4509	4154
65°	4436	7993	6100	4179	3575
70°	3898	6132	5588	3792	3260
75°	3372	4575	4839	3372	3059
80°	2558	3283	4072	3000	2558
85°	2137	2316	3197	2552	2414

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 16515 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	132.8	3.7
10°-20°	389.4	10.9
20°-30°	617.4	17.2
30°-40°	746.0	20.8
40°-50°	664.3	18.5
50°-60°	509.4	14.2
60°-70°	330.8	9.2
70°-80°	160.5	4.5
80°-90°	37.7	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°	1139.6	31.8
0°-40°	1885.6	52.5
0°-60°	3059.3	85.3
0°-90°	3588.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3588.4	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1385	1385	1385	1385	1385	
5°	1587	1509	1382	1255	1220	158
15°	1907	1744	1319	1016	928	546
25°	2283	1777	1203	818	746	1051
35°	1894	1835	1047	666	608	1148
45°	847	1643	824	528	479	672
55°	465	997	582	388	358	421
65°	264	475	363	248	213	262
75°	123	167	176	123	111	131
85°	26	28	39	31	30	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°	1385.0	1385.0	1385.0	1385.0	1385.0	1385.0	1385.0	1385.0	1385.0	1385.0	1385.0
2.5°	1474.8	1473.7	1475.9	1469.7	1470.2	1460.6	1460.6	1453.2	1443.5	1436.1	1432.7
5°	1587.4	1588.5	1586.2	1577.7	1572.0	1563.5	1553.8	1536.8	1522.6	1508.9	1498.1
7.5°	1702.2	1703.4	1696.0	1694.3	1679.5	1670.4	1648.8	1626.6	1607.3	1581.7	1563.5
10°	1800.0	1799.4	1791.5	1785.2	1772.7	1756.8	1735.8	1708.5	1682.9	1654.5	1627.2
12.5°	1856.9	1855.2	1854.0	1846.1	1834.7	1821.0	1804.0	1777.3	1744.3	1712.4	1679.5
15°	1906.9	1902.9	1895.5	1885.9	1869.4	1852.9	1833.0	1809.1	1779.0	1743.7	1714.2
17.5°	1967.2	1967.7	1956.4	1946.1	1924.5	1897.2	1867.7	1831.3	1792.6	1756.8	1727.2
20°	2045.6	2043.9	2032.5	2006.4	1980.8	1944.4	1909.2	1862.0	1811.9	1761.3	1722.1
22.5°	2158.2	2153.1	2141.1	2104.7	2061.5	2012.1	1953.5	1893.2	1830.1	1771.0	1716.4
25°	2283.3	2279.9	2256.5	2216.7	2161.0	2088.8	2018.3	1939.3	1852.3	1776.7	1714.2
27.5°	2386.7	2379.9	2358.9	2321.4	2266.8	2188.9	2091.7	1989.3	1885.9	1786.4	1700.5
30°	2374.2	2382.8	2380.5	2365.1	2326.5	2258.2	2170.1	2051.3	1922.2	1800.0	1692.5
32.5°	2195.7	2203.1	2228.7	2270.2	2282.7	2265.6	2205.4	2097.9	1963.2	1819.9	1686.3
35°	1894.4	1904.6	1943.3	2004.1	2083.7	2150.2	2163.9	2104.7	1984.8	1835.3	1680.0
37.5°	1511.2	1577.7	1603.9	1665.8	1790.9	1912.0	2017.2	2041.1	1976.2	1831.8	1672.6
40°	1237.1	1250.8	1308.8	1381.0	1482.2	1609.5	1777.3	1898.4	1902.3	1809.1	1648.8
42.5°	1014.3	1032.5	1067.7	1121.7	1204.7	1332.1	1506.6	1676.1	1767.6	1746.6	1617.5
45°	847.1	860.2	889.2	933.5	1000.1	1105.2	1254.2	1439.0	1585.7	1643.1	1556.7
47.5°	716.4	723.2	749.9	785.7	836.9	916.5	1037.6	1204.7	1379.3	1495.8	1473.1
50°	614.0	622.0	641.3	666.9	708.4	773.2	865.3	998.9	1180.3	1331.0	1361.1
52.5°	534.4	540.7	550.9	574.8	607.2	653.3	723.2	840.9	999.5	1162.1	1241.7
55°	465.1	469.6	479.3	492.9	520.2	556.0	620.3	703.9	835.8	997.2	1099.6
57.5°	405.9	408.2	413.9	427.5	447.4	474.2	523.1	599.2	694.8	846.6	959.1
60°	350.2	352.5	360.5	369.0	383.8	407.6	444.0	493.5	584.5	704.4	818.7
62.5°	305.9	307.0	309.3	317.8	330.3	347.4	374.1	412.2	479.8	581.6	687.9
65°	263.8	264.4	265.5	272.3	280.3	293.9	312.7	341.1	395.7	475.3	570.8
67.5°	221.7	222.9	226.8	229.1	238.8	245.6	257.5	280.3	322.4	379.2	456.5
70°	187.6	187.1	191.0	193.9	196.7	205.2	212.6	230.3	254.1	295.1	357.0
72.5°	155.8	154.1	155.2	155.8	159.8	164.9	172.3	181.4	198.4	223.4	267.2
75°	122.8	123.4	123.4	124.5	127.4	129.6	131.9	137.6	147.8	166.6	192.2
77.5°	92.1	91.0	93.8	93.8	96.1	98.9	100.6	102.9	106.9	115.4	130.8
80°	62.5	62.5	63.1	64.8	64.2	65.4	68.2	70.5	75.6	80.2	84.7
82.5°	44.3	43.8	44.3	44.3	44.3	45.5	46.1	46.1	47.2	48.9	51.7
85°	26.2	26.2	26.7	26.7	27.3	27.3	27.9	27.9	27.9	28.4	29.0
87.5°	12.5	11.9	11.4	11.4	11.9	13.1	12.5	11.9	11.9	11.9	12.5
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°	1385.0	1385.0	1385.0	1385.0	1385.0	1385.0	1385.0	1385.0	1385.0	1385.0	1385.0
2.5°	1432.7	1428.7	1421.4	1414.5	1406.0	1398.6	1393.5	1387.2	1379.3	1369.6	1361.7
5°	1486.2	1473.7	1457.2	1443.0	1424.8	1410.6	1395.8	1381.6	1367.3	1349.1	1333.2
7.5°	1545.3	1520.8	1498.1	1468.5	1441.8	1418.5	1395.8	1372.5	1350.3	1325.3	1302.0
10°	1598.7	1567.5	1532.8	1493.0	1456.6	1421.9	1390.1	1358.8	1325.8	1296.8	1265.6
12.5°	1648.8	1606.1	1565.2	1512.3	1466.8	1422.5	1379.8	1338.9	1303.1	1263.3	1229.2
15°	1674.9	1635.1	1590.8	1529.4	1468.5	1417.4	1369.6	1319.0	1275.2	1233.2	1195.6
17.5°	1690.3	1648.2	1597.0	1537.3	1472.0	1408.3	1348.0	1294.0	1244.0	1195.6	1154.1
20°	1683.5	1643.1	1590.2	1533.9	1462.9	1395.8	1329.2	1267.8	1210.4	1158.7	1113.8
22.5°	1667.0	1624.9	1574.3	1514.0	1447.5	1375.3	1303.1	1236.6	1175.7	1121.7	1071.7
25°	1650.5	1593.6	1541.3	1483.3	1419.1	1348.6	1275.2	1203.0	1138.8	1084.2	1030.8
27.5°	1634.6	1565.8	1500.9	1445.2	1376.4	1312.8	1241.1	1166.6	1099.6	1044.4	989.8
30°	1611.2	1531.7	1458.3	1392.9	1328.7	1269.0	1201.9	1129.7	1060.3	1002.9	947.2
32.5°	1582.3	1496.4	1414.0	1336.1	1274.7	1215.5	1156.4	1088.2	1021.1	961.4	904.5
35°	1558.9	1450.9	1363.4	1283.2	1214.4	1157.0	1102.4	1046.7	979.0	917.6	862.5
37.5°	1526.5	1407.7	1308.8	1221.2	1149.6	1092.7	1049.0	996.1	933.0	873.3	822.1
40°	1497.5	1360.0	1249.1	1162.7	1086.5	1025.6	985.3	942.1	885.8	830.6	779.5
42.5°	1458.9	1316.2	1188.8	1097.9	1021.1	963.1	922.2	885.8	840.9	789.7	734.0
45°	1406.0	1257.0	1126.8	1030.2	952.9	895.5	857.4	823.8	788.0	740.2	692.5
47.5°	1342.9	1200.8	1063.7	957.4	882.9	828.9	791.4	763.6	737.4	695.9	647.6
50°	1263.9	1128.0	994.9	892.6	811.9	761.3	726.6	705.6	682.2	645.3	606.6
52.5°	1170.6	1052.9	923.3	818.1	743.1	696.5	663.5	642.5	624.3	595.8	559.4
55°	1071.7	965.4	846.0	751.0	681.1	633.4	601.5	581.6	570.2	544.7	515.7
57.5°	959.7	877.8	769.8	677.1	614.0	566.3	542.4	524.8	511.7	492.9	471.3
60°	841.4	788.0	693.6	606.6	549.8	504.9	483.8	469.6	457.7	442.3	426.4
62.5°	721.5	686.2	607.2	535.6	484.4	448.6	429.2	416.7	402.5	393.4	378.1
65°	616.9	582.2	525.3	466.8	418.4	388.3	374.1	362.7	354.2	342.8	332.0
67.5°	500.9	485.0	442.9	399.1	363.9	334.9	322.4	313.3	303.6	296.8	288.8
70°	395.7	388.9	361.0	334.3	301.9	283.7	272.3	268.9	256.4	249.6	244.5
72.5°	302.5	300.2	287.1	270.6	250.2	234.8	224.6	220.6	213.8	208.7	205.8
75°	220.0	221.2	218.3	206.4	197.9	187.6	178.5	176.2	170.6	166.0	163.2
77.5°	150.1	155.8	154.6	154.1	150.1	142.7	138.7	137.0	130.8	129.1	128.5
80°	95.5	101.8	107.5	106.9	105.7	104.0	101.2	99.5	96.7	94.9	93.8
82.5°	55.7	61.4	66.0	69.9	69.9	68.2	66.5	66.0	66.0	64.8	64.8
85°	30.1	31.3	33.0	37.0	39.8	40.4	39.8	39.2	37.5	38.1	38.7
87.5°	13.1	13.1	13.6	13.6	13.1	15.9	17.6	18.2	17.1	15.9	14.8
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°	1385.0	1385.0	1385.0	1385.0	1385.0	1385.0	1385.0	1385.0	1385.0	1385.0	1385.0
2.5°	1356.0	1348.0	1342.3	1331.0	1323.0	1319.6	1313.3	1311.6	1317.9	1313.3	1312.8
5°	1321.3	1304.8	1291.7	1278.6	1264.4	1255.3	1241.7	1239.4	1236.0	1230.9	1229.8
7.5°	1280.9	1260.5	1245.1	1223.5	1205.9	1191.7	1174.6	1167.8	1164.4	1158.1	1147.9
10°	1240.0	1214.4	1191.7	1170.1	1146.7	1128.0	1110.9	1097.9	1089.3	1081.4	1078.0
12.5°	1199.6	1173.5	1142.8	1115.5	1088.8	1067.2	1047.8	1040.4	1030.8	1021.1	1012.0
15°	1157.6	1122.9	1091.0	1060.9	1038.7	1016.0	997.8	985.3	971.1	967.1	951.7
17.5°	1112.6	1080.2	1042.7	1010.3	985.3	961.4	941.5	926.7	915.9	900.6	893.2
20°	1071.1	1030.8	994.4	965.4	937.0	907.4	886.9	875.0	864.8	852.8	847.1
22.5°	1026.8	987.6	950.0	914.8	885.8	856.8	843.7	831.2	819.3	808.5	800.5
25°	983.6	943.8	904.5	869.3	839.2	818.1	801.1	786.9	780.6	769.8	761.8
27.5°	940.4	898.3	858.5	821.5	798.2	777.2	763.6	752.2	740.2	730.6	723.2
30°	898.9	855.7	811.3	783.5	758.4	738.5	723.2	712.4	703.9	695.3	690.2
32.5°	857.4	812.4	774.4	743.7	720.3	703.9	687.9	677.7	668.6	658.9	652.7
35°	812.4	767.0	735.1	705.6	682.2	666.3	655.5	640.7	633.4	626.5	620.3
37.5°	772.1	728.9	693.6	668.0	646.4	631.1	616.9	609.5	599.8	594.1	589.0
40°	726.6	687.9	656.7	629.4	614.6	597.0	583.9	573.7	566.8	558.9	553.2
42.5°	685.7	650.4	620.3	596.4	577.1	562.9	550.3	540.1	531.0	525.9	521.4
45°	647.6	611.8	582.2	559.4	542.4	528.2	515.1	510.0	498.6	491.8	489.5
47.5°	607.8	575.4	546.4	525.3	507.7	494.6	482.1	470.8	465.1	458.2	454.8
50°	567.4	536.7	510.0	489.5	472.5	457.7	446.3	439.5	431.0	424.7	420.2
52.5°	527.0	499.2	472.5	453.1	438.9	424.1	411.1	404.2	396.3	392.9	390.0
55°	488.9	458.8	436.1	416.7	401.4	387.7	375.8	369.0	363.9	359.9	358.7
57.5°	445.2	420.7	399.1	382.1	365.6	352.5	341.7	335.4	330.9	330.3	326.3
60°	402.5	380.9	361.6	342.8	329.2	317.2	308.1	300.8	296.2	295.6	294.5
62.5°	359.9	339.4	321.8	305.9	293.9	282.6	274.0	265.5	263.2	259.8	257.0
65°	317.8	299.1	284.3	271.2	258.1	248.5	239.9	234.8	228.6	225.1	218.9
67.5°	276.3	261.0	246.7	235.9	225.1	215.5	208.1	200.7	196.1	193.3	188.2
70°	235.4	224.0	209.8	197.9	189.9	182.5	176.8	168.3	165.4	163.2	160.9
72.5°	196.7	187.1	175.7	166.6	158.6	151.8	145.0	142.1	139.3	137.0	135.9
75°	160.9	151.2	141.0	134.2	128.5	122.8	119.4	116.6	115.4	114.8	112.6
77.5°	125.1	119.4	110.9	104.6	100.6	98.4	94.9	93.8	94.4	91.5	91.0
80°	90.4	87.6	80.7	78.5	75.6	73.3	71.6	68.8	66.0	64.8	63.1
82.5°	61.4	58.6	56.9	52.9	50.6	49.5	47.8	47.2	48.3	46.6	46.1
85°	35.8	33.0	31.8	31.3	30.1	31.3	30.7	30.1	29.6	29.0	29.6
87.5°	14.2	14.2	13.6	14.8	13.1	13.6	13.6	13.1	13.1	13.1	12.5
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: P242936

CATALOG NUMBER: S125RDRP-S1090D940-X4F0-XX-UDD-A-W

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°
0°	1385.0	1385.0	1385.0	1385.0
2.5°	1312.2	1305.9	1304.2	1306.5
5°	1224.1	1218.4	1221.2	1220.1
7.5°	1149.6	1142.2	1133.7	1135.9
10°	1070.6	1064.9	1061.5	1064.3
12.5°	1004.0	1001.2	998.4	996.1
15°	944.9	938.1	935.3	927.9
17.5°	888.1	885.8	878.4	873.3
20°	838.6	836.3	828.9	833.5
22.5°	797.7	792.0	790.8	788.0
25°	759.6	752.2	749.3	745.9
27.5°	720.9	716.9	713.0	711.8
30°	683.4	679.4	676.6	676.6
32.5°	649.8	647.0	644.2	643.6
35°	617.4	612.9	611.8	608.3
37.5°	583.3	579.3	579.3	579.9
40°	550.9	548.1	547.5	543.5
42.5°	516.2	515.1	512.8	511.7
45°	485.5	481.6	481.6	478.7
47.5°	453.1	449.7	450.3	446.9
50°	420.7	419.0	418.4	417.3
52.5°	388.3	387.7	390.6	387.7
55°	359.9	358.2	361.6	358.2
57.5°	326.3	325.2	328.6	326.3
60°	293.4	290.0	291.7	292.2
62.5°	254.1	252.4	253.6	250.2
65°	217.8	216.0	213.8	212.6
67.5°	189.3	184.2	184.2	185.3
70°	157.5	157.5	156.9	156.9
72.5°	135.3	134.7	133.6	133.0
75°	112.6	113.1	112.0	111.4
77.5°	88.1	85.3	86.4	85.3
80°	63.1	62.5	64.2	62.5
82.5°	46.6	46.1	46.6	45.5
85°	30.1	29.6	29.0	29.6
87.5°	13.1	12.5	12.5	12.5
90°	0.0	0.0	0.0	0.0



TEST NUMBER: P242936  
 CATALOG NUMBER: S125RDRP-S1090D940-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	17.57	19.10	17.93	19.42	19.73	18.55	20.08	18.91	20.40	20.71
	3H	18.70	20.07	19.07	20.40	20.76	20.03	21.40	20.40	21.73	22.09
	4H	19.08	20.37	19.48	20.72	21.10	20.54	21.83	20.94	22.18	22.56
	6H	19.31	20.50	19.72	20.87	21.26	20.89	22.08	21.30	22.45	22.84
	8H	19.37	20.50	19.80	20.89	21.30	20.99	22.12	21.41	22.51	22.91
	12H	19.40	20.49	19.83	20.87	21.30	21.04	22.13	21.47	22.51	22.94
4H	2H	19.16	20.45	19.56	20.80	21.18	19.40	20.69	19.80	21.04	21.41
	3H	20.23	21.30	20.64	21.70	22.10	21.06	22.13	21.47	22.53	22.93
	4H	20.61	21.57	21.04	21.99	22.43	21.64	22.61	22.08	23.02	23.46
	6H	20.86	21.70	21.32	22.14	22.60	22.07	22.91	22.53	23.35	23.81
	8H	20.93	21.71	21.39	22.15	22.62	22.19	22.98	22.66	23.42	23.89
	12H	20.97	21.67	21.45	22.15	22.62	22.28	22.97	22.76	23.45	23.92
8H	4H	20.98	21.76	21.45	22.21	22.68	21.79	22.57	22.26	23.02	23.48
	6H	21.29	21.93	21.78	22.42	22.90	22.31	22.95	22.80	23.44	23.92
	8H	21.38	21.96	21.89	22.47	22.96	22.48	23.06	23.00	23.57	24.06
	12H	21.46	21.97	21.97	22.46	23.03	22.62	23.13	23.13	23.62	24.19
12H	4H	21.01	21.71	21.49	22.18	22.66	21.78	22.48	22.26	22.96	23.43
	6H	21.32	21.90	21.83	22.41	22.90	22.30	22.88	22.81	23.39	23.88
	8H	21.45	21.97	21.96	22.46	23.02	22.52	23.03	23.02	23.52	24.08