

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: P243694

Luminaire Tested: S125DRP-H1270D940-X4F0-XX-UDD-A-W

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-2024  
Report Number: P243694  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1802-639-61)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: NEO-RAY  
Catalog Number: S125DRP-H1270D940-X4F0-XX-UDD-A-W  
Description: DEFINE 5 DIRECT RECESSED WITH ASYMMETRIC FLUSH DIFFUSER.  
HIGH PERFORMANCE LIGHT ENGINE  
Light Source: (184) 4000K CCT, 90 CRI LEDS  
Ballast/Driver: -

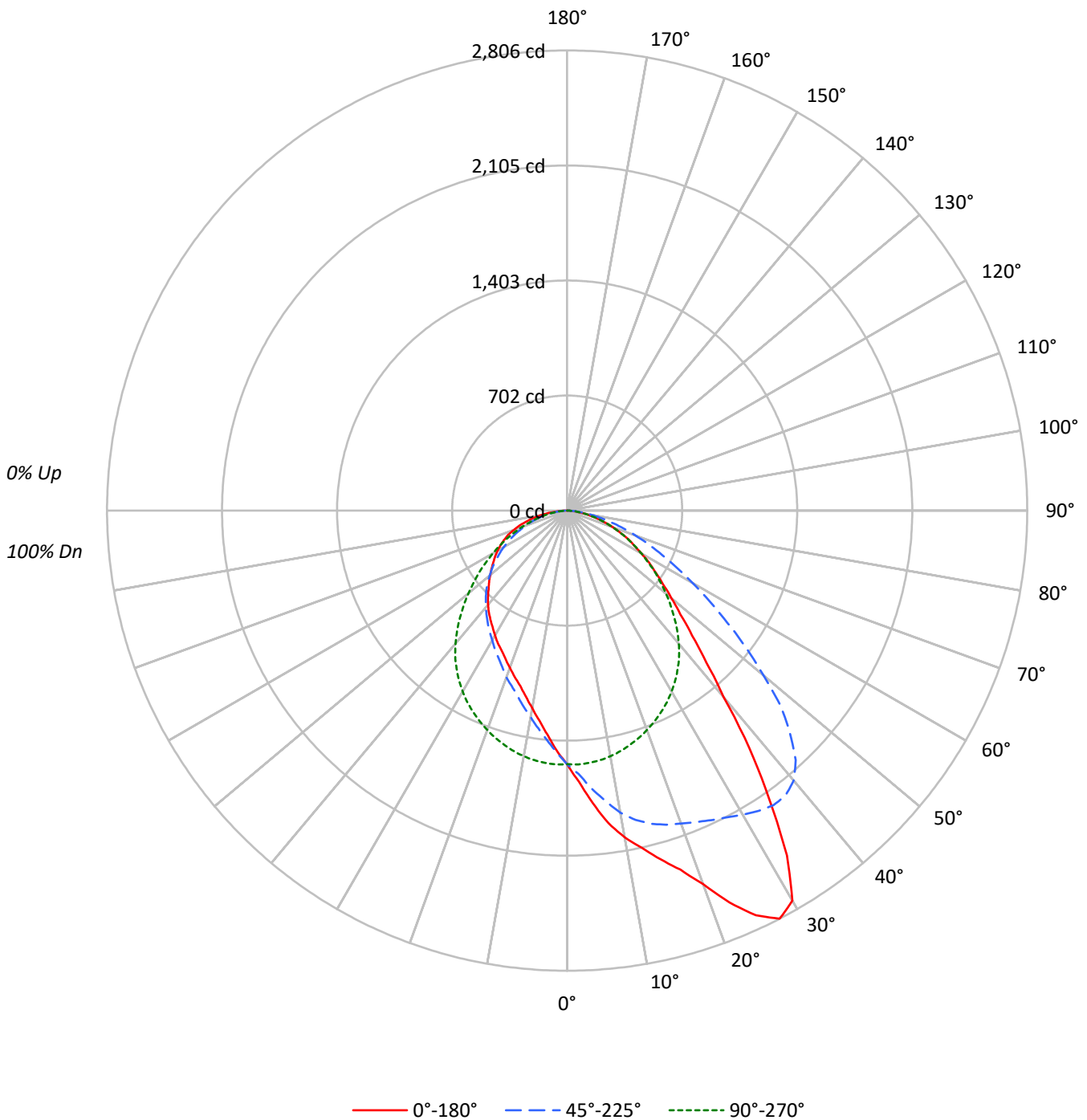
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4407.6 lumens  
Efficiency: N/A  
Efficacy: 116.9 lumens/watt  
Spacing Criteria (0/90/45): 1.43 / 1.22 / 1.53  
Luminous Opening: Rectangular (W 3.88' x L: 0.39' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 37.7  
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	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87					85				
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74					72				
3	92	82	74	68	89	80	73	67	77	71	66	74	69	65	72	67	63					61				
4	84	73	64	58	82	71	63	57	69	62	56	66	61	56	64	59	55					53				
5	78	65	56	50	75	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					40				
7	67	53	45	39	65	53	44	39	51	44	38	50	43	38	48	42	38					36				
8	62	49	40	35	60	48	40	35	47	40	34	46	39	34	44	38	34					32				
9	58	45	37	31	57	44	36	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°	10992	10992	10992	10992	10992
5°	12769	12125	11016	10023	9789
10°	14610	13501	10980	9228	8834
15°	16197	14545	10881	8606	8139
20°	18338	15364	10772	8187	7722
25°	21354	16333	10632	7765	7397
30°	22543	17566	10458	7504	7215
35°	18641	19027	10203	7313	7063
40°	13790	19946	9833	7157	6958
45°	10842	19327	9297	7016	6808
50°	9181	17259	8695	6823	6781
55°	8175	14788	8098	6606	6808
60°	7417	12533	7434	6338	6954
65°	6877	10716	6813	6012	7151
70°	6178	9162	6099	5617	7194
75°	5270	7749	5355	5132	7096
80°	4314	6262	4388	4465	6622
85°	2968	4395	3123	3531	5627

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 19327 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	149.4	3.4
10°-20°	446.4	10.1
20°-30°	725.8	16.5
30°-40°	883.0	20.0
40°-50°	808.0	18.3
50°-60°	646.6	14.7
60°-70°	450.3	10.2
70°-80°	239.3	5.4
80°-90°	58.8	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°	1321.6	30.0
0°-40°	2204.5	50.0
0°-60°	3659.1	83.0
0°-90°	4407.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4407.6	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1546	1546	1546	1546	1546	
5°	1790	1700	1544	1405	1372	178
15°	2201	1977	1479	1170	1106	631
25°	2723	2083	1356	990	943	1243
35°	2148	2193	1176	843	814	1332
45°	1079	1923	925	698	677	851
55°	660	1193	654	533	549	595
65°	409	637	405	358	425	402
75°	192	282	195	187	258	207
85°	36	54	38	43	69	47
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°	1546.5	1546.5	1546.5	1546.5	1546.5	1546.5	1546.5	1546.5	1546.5	1546.5	1546.5
2.5°	1655.6	1648.7	1646.8	1647.5	1643.7	1640.6	1633.0	1623.0	1616.1	1607.3	1604.8
5°	1789.8	1772.9	1776.0	1771.0	1762.8	1752.2	1742.8	1727.7	1713.3	1699.5	1681.3
7.5°	1921.5	1918.4	1909.6	1908.3	1895.2	1877.0	1858.2	1837.5	1806.7	1785.4	1761.0
10°	2024.4	2030.6	2018.1	2018.7	1995.5	1977.3	1961.0	1934.0	1899.6	1870.7	1835.0
12.5°	2107.1	2109.6	2107.8	2099.6	2084.6	2053.8	2038.1	2009.9	1972.3	1932.8	1905.2
15°	2201.2	2194.3	2183.6	2173.6	2151.7	2129.7	2097.1	2063.9	2016.2	1976.7	1936.6
17.5°	2295.3	2294.0	2280.8	2259.5	2231.9	2203.1	2154.2	2111.5	2060.7	2008.7	1958.5
20°	2424.5	2417.6	2398.1	2373.7	2322.9	2282.1	2221.3	2162.9	2096.5	2031.3	1972.9
22.5°	2586.3	2563.7	2544.2	2506.6	2448.3	2377.4	2309.1	2224.4	2131.6	2055.1	1982.3
25°	2723.0	2712.9	2692.2	2650.2	2583.7	2498.5	2396.9	2300.9	2184.3	2082.7	1988.0
27.5°	2805.7	2801.4	2788.8	2749.3	2694.1	2609.5	2501.0	2378.7	2246.4	2109.0	1995.5
30°	2746.8	2747.4	2754.3	2749.9	2725.5	2670.9	2574.3	2451.4	2298.4	2140.4	1997.4
32.5°	2493.4	2510.4	2564.3	2590.0	2624.5	2635.8	2592.5	2490.3	2342.3	2171.7	2003.7
35°	2148.5	2189.9	2226.3	2301.5	2391.2	2464.6	2507.2	2474.0	2360.5	2193.0	2006.8
37.5°	1823.7	1820.5	1877.0	1958.5	2053.8	2178.6	2299.7	2366.1	2329.1	2188.7	2001.1
40°	1486.3	1515.1	1550.2	1622.4	1734.0	1887.6	2031.9	2174.2	2225.7	2149.8	1979.2
42.5°	1255.5	1268.7	1303.8	1360.2	1440.5	1597.3	1739.6	1922.8	2054.5	2063.2	1930.9
45°	1078.7	1093.1	1103.1	1158.9	1233.6	1338.9	1485.0	1669.4	1846.2	1922.8	1852.5
47.5°	936.9	945.1	967.0	1000.9	1049.8	1143.2	1259.9	1427.3	1619.9	1768.5	1744.7
50°	830.3	836.6	854.1	873.0	913.1	982.1	1076.1	1213.5	1398.5	1560.9	1614.2
52.5°	736.2	744.4	753.2	771.4	808.4	854.8	931.3	1038.5	1210.3	1376.5	1461.2
55°	659.7	662.9	672.3	686.1	714.3	749.4	810.2	907.4	1027.9	1193.4	1310.1
57.5°	593.3	590.1	600.2	609.6	628.4	657.9	701.8	773.9	888.6	1029.7	1151.4
60°	521.8	524.9	532.4	540.0	553.1	578.8	613.3	671.0	755.1	881.7	1005.9
62.5°	460.3	462.8	464.7	475.4	487.3	505.5	533.7	580.7	650.3	755.1	866.1
65°	408.9	404.5	407.0	414.5	423.9	439.0	465.3	499.8	551.9	637.2	729.3
67.5°	348.7	349.9	350.6	355.0	363.1	377.5	396.3	424.6	467.2	534.3	615.2
70°	297.3	297.9	298.5	302.3	309.2	317.3	330.5	352.4	388.8	440.9	504.2
72.5°	244.6	247.1	247.1	250.2	255.2	259.6	272.2	290.4	318.0	359.3	412.6
75°	191.9	196.3	197.5	201.3	205.7	207.0	216.4	230.8	248.3	282.2	324.2
77.5°	149.3	149.3	151.8	156.2	156.2	159.9	170.0	176.2	190.0	213.2	245.2
80°	105.4	107.2	107.2	108.5	111.0	114.1	118.5	124.2	136.1	153.0	170.0
82.5°	69.0	69.6	70.2	73.4	72.1	75.3	77.1	84.0	89.7	97.8	108.5
85°	36.4	36.4	37.0	38.9	40.8	41.4	42.6	45.8	50.2	53.9	60.2
87.5°	15.1	14.4	14.4	15.7	15.7	16.3	16.9	18.2	20.7	20.7	23.2
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°	1546.5	1546.5	1546.5	1546.5	1546.5	1546.5	1546.5	1546.5	1546.5	1546.5	1546.5
2.5°	1602.9	1597.9	1589.1	1581.6	1572.2	1565.3	1558.4	1549.6	1540.8	1531.4	1521.4
5°	1666.9	1651.8	1634.9	1618.0	1597.9	1581.6	1564.0	1544.0	1527.0	1508.2	1488.2
7.5°	1740.3	1713.9	1684.5	1651.2	1619.9	1591.6	1562.8	1535.2	1510.1	1481.9	1454.3
10°	1811.1	1765.4	1728.3	1683.2	1638.7	1597.3	1557.8	1521.4	1485.0	1449.9	1416.0
12.5°	1859.4	1807.4	1761.0	1708.9	1656.9	1604.8	1552.8	1502.6	1459.3	1416.7	1380.9
15°	1892.7	1856.3	1794.8	1732.1	1663.8	1596.0	1537.1	1478.8	1427.3	1377.8	1335.1
17.5°	1913.4	1866.3	1806.1	1740.3	1665.0	1594.1	1523.3	1453.7	1394.7	1341.4	1293.1
20°	1919.0	1863.8	1801.1	1732.7	1657.5	1579.7	1500.1	1424.2	1360.2	1299.4	1250.5
22.5°	1913.4	1849.4	1782.3	1715.8	1636.8	1557.8	1474.4	1391.6	1318.2	1255.5	1204.1
25°	1903.9	1826.8	1756.6	1678.2	1604.8	1529.6	1443.6	1355.8	1279.3	1214.1	1156.4
27.5°	1892.0	1803.6	1717.1	1639.9	1560.3	1486.3	1407.3	1317.6	1237.9	1166.4	1112.5
30°	1878.2	1772.9	1676.9	1585.4	1510.1	1436.1	1359.0	1274.3	1194.0	1125.7	1067.4
32.5°	1862.6	1740.3	1627.4	1528.9	1448.7	1380.3	1308.2	1227.3	1148.3	1074.9	1024.1
35°	1840.6	1695.7	1574.1	1467.5	1384.1	1310.1	1246.7	1175.9	1097.5	1029.1	976.4
37.5°	1814.9	1656.2	1520.1	1404.8	1313.8	1237.9	1179.6	1121.9	1048.5	982.7	931.9
40°	1780.4	1608.6	1463.1	1338.3	1241.1	1166.4	1109.4	1059.8	999.0	932.5	886.8
42.5°	1735.2	1555.9	1398.5	1265.5	1171.5	1091.8	1038.5	993.4	941.3	883.6	838.5
45°	1683.8	1495.7	1326.4	1195.9	1093.7	1017.8	965.8	925.0	885.5	834.1	792.1
47.5°	1603.6	1424.8	1261.1	1116.9	1016.6	943.2	894.3	855.4	825.9	785.2	743.8
50°	1508.2	1344.6	1184.0	1039.1	937.5	866.7	820.3	786.4	761.3	730.0	698.6
52.5°	1403.5	1254.2	1099.3	963.9	862.3	795.2	746.3	716.2	699.9	674.8	650.3
55°	1281.2	1152.7	1008.4	884.9	785.2	716.8	674.8	653.5	635.3	622.7	600.8
57.5°	1158.3	1049.8	921.2	799.0	707.4	646.6	608.9	585.1	571.9	563.2	547.5
60°	1024.1	938.8	820.9	714.9	633.4	575.7	542.5	523.0	511.1	506.1	495.4
62.5°	896.2	830.9	723.7	635.3	562.5	511.7	478.5	462.8	455.3	449.6	443.4
65°	770.1	718.7	634.0	551.2	489.8	444.0	417.7	405.1	399.5	393.2	392.6
67.5°	656.6	609.6	541.8	474.1	422.7	383.8	360.6	348.1	341.8	342.4	339.3
70°	545.0	508.6	453.4	398.2	354.3	323.6	301.6	293.5	291.0	290.4	287.8
72.5°	440.9	420.2	371.9	325.5	291.0	267.2	249.6	242.7	239.6	238.3	238.3
75°	349.3	334.3	292.9	257.7	231.4	212.0	200.1	195.0	190.6	193.2	191.3
77.5°	262.1	249.6	221.4	196.3	176.2	159.9	154.3	149.9	147.4	146.7	149.3
80°	184.4	176.8	159.3	139.2	124.2	114.8	111.0	107.2	105.4	104.1	105.4
82.5°	118.5	114.1	101.6	89.7	80.9	75.9	72.1	70.2	67.1	67.7	69.0
85°	64.6	63.3	55.2	51.4	43.3	42.6	40.1	38.3	38.9	37.6	39.5
87.5°	26.3	25.1	23.2	21.3	18.8	16.9	15.7	16.9	15.1	16.9	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



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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1546.5	1546.5	1546.5	1546.5	1546.5	1546.5	1546.5	1546.5	1546.5	1546.5	1546.5
2.5°	1516.4	1509.5	1501.3	1493.8	1482.5	1475.0	1471.2	1472.5	1468.1	1466.8	1466.2
5°	1476.2	1460.6	1445.5	1433.0	1419.8	1404.8	1394.1	1391.0	1389.7	1386.6	1379.7
7.5°	1434.9	1414.8	1395.3	1377.2	1358.3	1340.8	1330.1	1321.3	1316.3	1307.6	1305.7
10°	1391.0	1366.5	1345.8	1319.5	1296.9	1278.7	1264.9	1257.4	1253.0	1244.8	1237.9
12.5°	1348.9	1323.2	1291.2	1267.4	1243.6	1224.8	1209.1	1196.5	1193.4	1182.8	1177.1
15°	1303.8	1272.4	1243.6	1216.0	1193.4	1169.6	1160.2	1148.9	1137.6	1128.2	1126.3
17.5°	1260.5	1222.9	1194.7	1167.7	1140.1	1122.5	1110.0	1102.5	1093.7	1088.7	1079.9
20°	1208.5	1177.7	1146.4	1121.3	1097.5	1082.4	1065.5	1058.6	1052.3	1040.4	1036.6
22.5°	1164.6	1127.6	1101.2	1076.1	1054.8	1033.5	1021.6	1014.7	1005.3	999.0	994.0
25°	1118.8	1088.1	1054.8	1029.7	1011.5	990.2	982.1	973.3	965.1	959.5	954.5
27.5°	1074.3	1040.4	1013.4	988.3	969.5	954.5	943.2	933.8	928.1	923.8	920.6
30°	1027.9	996.5	971.4	948.2	926.9	914.3	903.7	899.9	893.6	890.5	885.5
32.5°	985.8	953.9	930.0	910.0	891.1	878.6	872.3	866.7	860.4	854.8	854.1
35°	938.2	910.6	888.6	866.7	852.9	842.9	836.0	830.3	825.3	820.9	818.4
37.5°	896.2	869.8	845.4	829.7	814.6	805.9	798.3	796.4	791.4	792.1	788.3
40°	851.0	827.2	806.5	790.8	780.8	771.4	766.3	760.1	756.9	757.6	754.4
42.5°	807.1	785.2	766.3	751.9	741.3	734.4	730.0	725.0	721.2	718.7	718.1
45°	762.6	743.1	727.5	713.0	704.3	698.0	692.3	686.1	682.9	681.7	681.1
47.5°	718.7	701.1	684.2	674.2	666.0	660.4	654.7	649.7	647.2	645.3	642.2
50°	673.5	656.0	644.1	631.5	624.6	617.1	610.8	608.3	605.2	604.5	607.7
52.5°	626.5	612.7	602.0	592.0	583.9	575.7	569.4	566.3	568.2	568.2	571.9
55°	582.0	567.5	557.5	549.4	540.6	533.1	526.8	526.8	526.8	530.5	535.6
57.5°	532.4	519.9	512.4	503.0	494.8	489.8	485.4	484.8	487.3	493.5	499.2
60°	482.3	473.5	465.3	457.8	449.6	445.9	445.3	444.0	447.8	454.0	466.0
62.5°	432.7	427.1	417.0	413.3	406.4	402.0	402.0	403.2	408.9	418.9	429.6
65°	385.1	376.9	369.4	365.6	361.2	357.5	357.5	362.5	370.6	380.0	393.2
67.5°	336.1	329.2	324.2	320.5	315.4	313.6	315.4	321.1	331.1	340.5	354.3
70°	283.5	282.2	277.8	272.8	270.3	270.3	272.2	278.4	286.0	300.4	312.3
72.5°	235.2	235.2	232.7	229.5	227.6	229.5	230.8	237.1	246.5	259.0	272.2
75°	191.3	189.4	187.5	186.3	185.6	186.9	188.8	193.8	205.1	217.0	227.6
77.5°	148.0	146.7	144.9	146.1	146.1	146.7	152.4	158.0	164.3	173.7	185.0
80°	106.6	107.2	105.4	104.7	107.9	109.1	113.5	117.9	122.3	132.9	141.1
82.5°	70.2	71.5	70.9	72.1	73.4	73.4	78.4	82.8	86.5	94.1	100.3
85°	40.1	40.8	40.8	42.6	43.9	43.3	47.7	50.2	52.1	57.7	61.5
87.5°	17.6	18.2	18.8	18.8	18.8	21.3	21.9	23.2	23.8	25.1	27.0
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: P243694

CATALOG NUMBER: S125DRP-H1270D940-X4F0-XX-UDD-A-W

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°
0°	1546.5	1546.5	1546.5	1546.5
2.5°	1460.6	1459.9	1463.1	1465.0
5°	1375.3	1373.4	1370.9	1372.1
7.5°	1299.4	1294.4	1293.1	1293.1
10°	1232.3	1227.3	1226.0	1224.1
12.5°	1175.2	1167.7	1164.6	1161.4
15°	1121.3	1120.0	1113.1	1106.2
17.5°	1071.8	1073.6	1066.7	1063.6
20°	1030.4	1024.7	1022.2	1021.0
22.5°	988.3	984.0	984.0	979.6
25°	950.7	947.0	947.6	943.2
27.5°	915.6	915.0	914.3	913.1
30°	883.0	880.5	878.0	879.2
32.5°	851.6	847.9	846.0	845.4
35°	819.0	817.8	815.3	814.0
37.5°	787.0	787.7	784.5	783.9
40°	752.5	751.9	751.3	750.0
42.5°	716.2	714.3	715.5	714.9
45°	679.8	677.9	679.2	677.3
47.5°	644.1	645.3	645.3	645.9
50°	608.9	611.4	611.4	613.3
52.5°	576.3	581.3	581.3	580.7
55°	541.2	546.9	548.7	549.4
57.5°	508.0	513.6	519.3	520.5
60°	472.2	482.3	487.9	489.2
62.5°	440.2	449.6	457.2	457.8
65°	404.5	415.8	422.7	425.2
67.5°	368.1	376.9	386.3	390.1
70°	326.7	337.4	343.7	346.2
72.5°	283.5	295.4	303.5	304.8
75°	242.1	250.8	257.1	258.4
77.5°	195.0	203.8	209.5	210.7
80°	148.0	155.5	159.3	161.8
82.5°	104.7	109.7	111.6	114.1
85°	64.6	68.4	69.0	69.0
87.5°	28.2	28.8	28.8	30.1
90°	0.0	0.0	0.0	0.0



TEST NUMBER: P243694  
 CATALOG NUMBER: S125DRP-H1270D940-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	19.16	20.73	19.53	21.05	21.36	18.91	20.48	19.27	20.79	21.10
	3H	20.52	21.93	20.90	22.26	22.62	20.33	21.74	20.71	22.07	22.43
	4H	21.00	22.33	21.40	22.67	23.05	20.82	22.15	21.22	22.49	22.87
	6H	21.31	22.53	21.72	22.90	23.29	21.13	22.36	21.55	22.73	23.12
	8H	21.38	22.55	21.81	22.94	23.34	21.21	22.38	21.64	22.77	23.17
	12H	21.42	22.54	21.85	22.92	23.35	21.25	22.37	21.68	22.75	23.18
4H	2H	20.55	21.88	20.95	22.23	22.60	19.97	21.30	20.37	21.64	22.02
	3H	21.91	23.02	22.32	23.42	23.82	21.63	22.73	22.04	23.13	23.53
	4H	22.42	23.41	22.85	23.83	24.26	22.19	23.18	22.62	23.60	24.03
	6H	22.77	23.64	23.22	24.08	24.54	22.56	23.43	23.02	23.87	24.33
	8H	22.86	23.67	23.32	24.11	24.58	22.66	23.47	23.12	23.91	24.38
	12H	22.91	23.63	23.39	24.11	24.58	22.71	23.44	23.20	23.92	24.39
8H	4H	22.87	23.68	23.33	24.13	24.59	22.54	23.35	23.00	23.79	24.26
	6H	23.30	23.97	23.79	24.46	24.94	23.04	23.71	23.54	24.20	24.68
	8H	23.43	24.03	23.94	24.54	25.03	23.19	23.79	23.70	24.30	24.78
	12H	23.51	24.05	24.02	24.54	25.10	23.29	23.82	23.79	24.31	24.87
12H	4H	22.91	23.64	23.39	24.12	24.59	22.56	23.29	23.04	23.76	24.23
	6H	23.37	23.97	23.88	24.48	24.97	23.09	23.69	23.60	24.20	24.69
	8H	23.55	24.08	24.05	24.57	25.13	23.29	23.83	23.80	24.32	24.88