

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: P242819

Luminaire Tested: S125DRP-S1270D840-X4F0-XX-UDD-A-W

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2024
Report Number: P242819
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1802-639-22)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S125DRP-S1270D840-X4F0-XX-UDD-A-W
Description: DEFINE 5 DIRECT RECESSED WITH ASYMMETRIC FLUSH DIFFUSER
STANDARD LIGHT ENGINE
Light Source: (92) 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

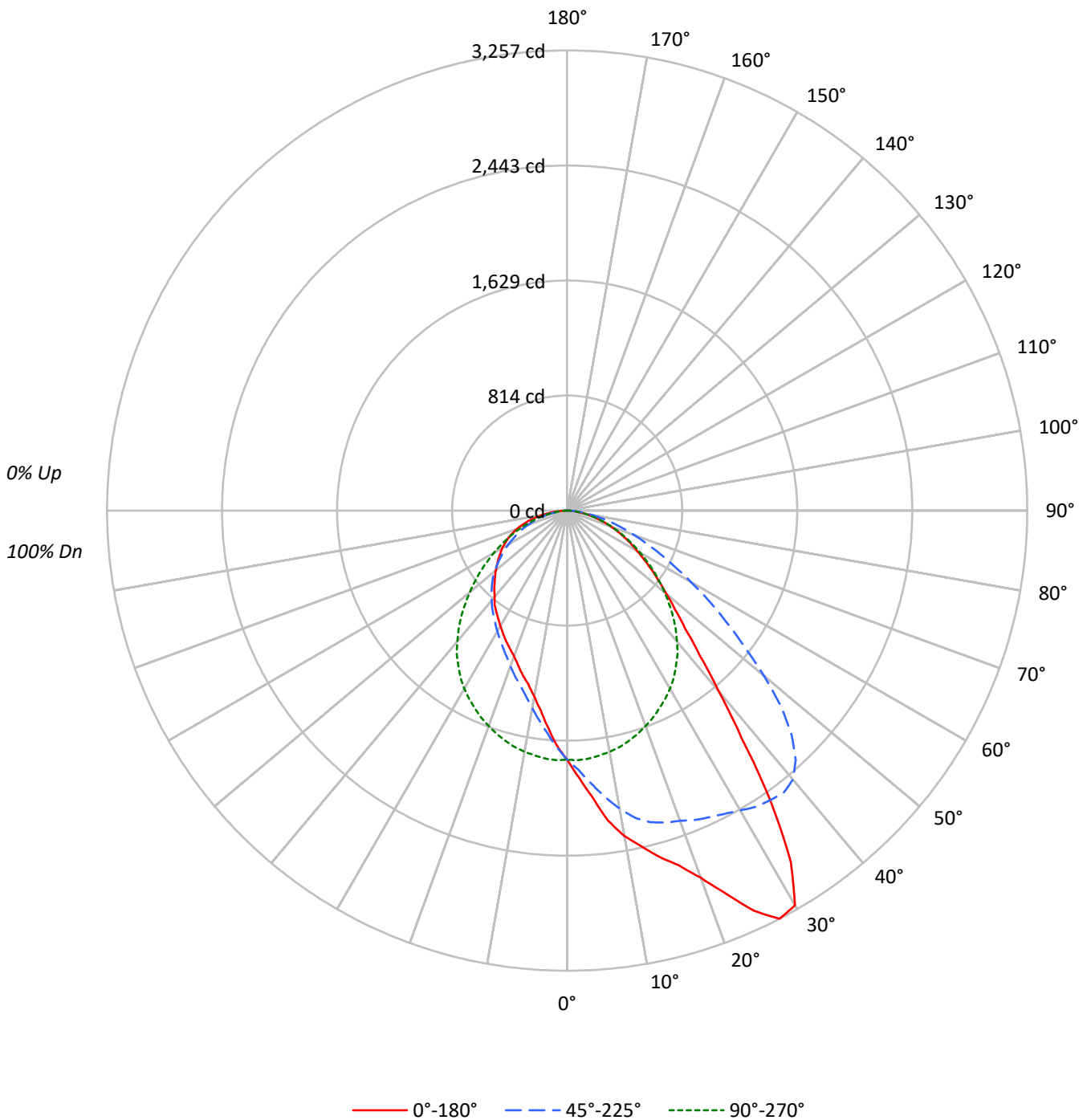
Lumens per Lamp: N/A
Luminaire Lumens: 4975.3 lumens
Efficiency: N/A
Efficacy: 121.1 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.23 / 1.53
Luminous Opening: Rectangular (W 3.88' x L: 0.39' x H: 0')
CIE Type: Direct

Input Watts (W): 41.1
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: P242819

CATALOG NUMBER: S125DRP-S1270D840-X4F0-XX-UDD-A-W

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	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				85
2	100	92	86	80	98	90	84	79	87	82	78	84	80	76	81	77	74	72				72
3	92	82	74	68	89	80	73	67	77	71	66	74	69	65	72	67	64	61				61
4	84	73	64	58	82	71	63	57	69	62	57	67	61	56	64	59	55	53				53
5	78	65	56	50	76	64	56	50	62	55	49	60	54	49	58	53	48	46				46
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	43	41				41
7	67	53	45	39	65	53	45	39	51	44	39	50	43	38	48	42	38	36				36
8	62	49	41	35	61	48	40	35	47	40	34	46	39	34	44	39	34	32				32
9	58	45	37	31	57	44	37	31	43	36	31	42	36	31	41	35	31	29				29
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	26				26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	12530	12530	12530	12530	12530
5°	14511	13822	12573	11307	11009
10°	16882	15457	12508	10245	9646
15°	18688	16799	12416	9415	8898
20°	20919	17670	12270	8869	8297
25°	24507	18773	12107	8409	8004
30°	26469	20107	11945	8100	7751
35°	21763	21718	11641	7889	7583
40°	15468	23064	11220	7714	7401
45°	11884	22572	10650	7560	7296
50°	10144	20082	9946	7372	7281
55°	9032	17052	9254	7103	7344
60°	8148	14402	8499	6850	7531
65°	7526	12270	7739	6507	7728
70°	6843	10434	6951	6064	7838
75°	6041	8919	6124	5588	7769
80°	5083	7318	4993	4748	7105
85°	4028	5309	3604	3906	5733

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 22572 cd/sqm



TEST NUMBER: P242819

CATALOG NUMBER: S125DRP-S1270D840-X4F0-XX-UDD-A-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.7	3.4
10°-20°	505.4	10.2
20°-30°	821.0	16.5
30°-40°	1003.3	20.2
40°-50°	910.2	18.3
50°-60°	725.0	14.6
60°-70°	505.0	10.1
70°-80°	269.0	5.4
80°-90°	66.7	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°	1496.1	30.1
0°-40°	2499.4	50.2
0°-60°	4134.6	83.1
0°-90°	4975.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4975.3	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1763	1763	1763	1763	1763	
5°	2034	1937	1762	1585	1543	204
15°	2540	2283	1687	1280	1209	726
25°	3125	2394	1544	1072	1021	1432
35°	2508	2503	1342	909	874	1539
45°	1182	2246	1060	752	726	941
55°	729	1376	747	573	593	655
65°	448	730	460	387	460	444
75°	220	325	223	204	283	237
85°	49	65	44	48	70	58
90°	0	0	0	0	0	



TEST NUMBER: P242819

CATALOG NUMBER: S125DRP-S1270D840-X4F0-XX-UDD-A-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1763.0	1763.0	1763.0	1763.0	1763.0	1763.0	1763.0	1763.0	1763.0	1763.0	1763.0
2.5°	1890.2	1887.2	1884.3	1878.3	1882.8	1870.0	1864.1	1853.6	1840.9	1836.4	1831.1
5°	2033.9	2037.7	2041.4	2025.7	2027.2	2016.7	1992.8	1973.3	1957.6	1937.4	1923.2
7.5°	2212.0	2200.8	2201.5	2191.8	2174.6	2160.4	2137.2	2105.0	2075.8	2042.9	2014.5
10°	2339.2	2340.0	2333.2	2321.3	2302.6	2289.1	2256.2	2224.7	2186.6	2141.7	2109.5
12.5°	2435.0	2438.8	2429.8	2412.6	2405.8	2371.4	2347.5	2308.5	2261.4	2227.7	2174.6
15°	2539.8	2531.5	2525.6	2505.4	2489.6	2458.2	2417.1	2378.1	2328.8	2283.1	2237.5
17.5°	2632.6	2639.3	2629.6	2614.6	2568.2	2531.5	2480.7	2431.3	2372.2	2315.3	2262.2
20°	2765.8	2771.8	2754.5	2722.4	2664.0	2627.3	2554.7	2485.9	2414.8	2336.2	2276.4
22.5°	2931.9	2924.4	2899.7	2846.6	2797.9	2722.4	2642.3	2554.7	2461.2	2369.9	2285.4
25°	3125.0	3093.5	3079.3	3018.7	2952.1	2852.6	2744.8	2622.1	2511.3	2393.9	2292.1
27.5°	3256.7	3243.9	3223.7	3174.3	3098.0	2985.0	2857.8	2711.1	2562.2	2418.6	2290.6
30°	3225.2	3226.7	3228.2	3214.8	3169.9	3089.8	2963.3	2802.4	2616.9	2450.0	2295.8
32.5°	2946.9	2980.5	3012.7	3054.6	3081.6	3082.3	3015.0	2873.5	2681.2	2485.9	2292.8
35°	2508.3	2516.6	2601.1	2685.0	2798.7	2887.0	2946.1	2881.8	2720.9	2503.1	2290.6
37.5°	2027.9	2069.1	2132.7	2227.0	2397.6	2536.8	2719.4	2782.2	2706.7	2517.3	2289.8
40°	1667.2	1704.7	1742.8	1839.4	1977.8	2155.9	2370.7	2554.0	2596.6	2485.9	2267.4
42.5°	1388.9	1416.6	1460.0	1526.6	1636.6	1789.2	1992.0	2245.7	2419.3	2394.6	2220.2
45°	1182.3	1201.0	1234.0	1291.6	1375.4	1498.9	1680.0	1941.9	2170.1	2245.7	2140.2
47.5°	1035.7	1036.4	1063.4	1104.5	1168.1	1281.9	1417.3	1632.8	1879.0	2053.4	2028.7
50°	917.4	913.7	933.9	968.3	1016.2	1085.8	1213.8	1377.6	1611.9	1816.2	1873.0
52.5°	815.7	817.2	827.6	850.8	889.0	945.9	1033.4	1177.1	1368.7	1579.7	1699.4
55°	728.9	725.9	740.1	757.3	786.5	825.4	894.2	1007.2	1169.6	1376.1	1515.3
57.5°	645.0	653.3	659.3	671.2	696.7	723.6	785.0	871.8	1005.7	1189.1	1336.5
60°	573.2	581.4	585.9	597.9	617.4	639.8	684.7	752.1	860.6	1013.2	1159.1
62.5°	508.9	514.8	515.6	526.1	541.0	562.7	595.7	649.5	729.6	858.3	1000.5
65°	447.5	447.5	450.5	461.7	469.2	488.6	515.6	556.7	625.6	729.6	851.6
67.5°	387.6	391.4	390.6	395.9	402.6	419.1	439.3	473.7	528.3	606.9	707.9
70°	329.3	332.3	331.5	335.2	342.7	352.5	368.2	400.3	437.0	502.1	585.9
72.5°	276.9	277.6	275.4	280.6	284.4	292.6	310.6	324.0	357.7	410.1	475.2
75°	220.0	221.5	223.0	226.0	230.5	235.0	244.0	261.2	283.6	324.8	368.9
77.5°	175.1	171.4	175.9	175.1	177.4	181.1	189.3	199.1	218.5	246.2	282.9
80°	124.2	125.0	125.0	125.7	129.5	131.7	138.4	145.2	159.4	178.8	202.8
82.5°	82.3	84.6	83.1	84.6	87.6	89.0	92.0	97.3	104.0	118.2	133.9
85°	49.4	45.6	47.1	48.6	48.6	49.4	52.4	54.6	59.1	65.1	71.8
87.5°	18.0	19.5	20.2	20.2	21.0	21.0	23.9	23.9	26.2	28.4	31.4
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: P242819

CATALOG NUMBER: S125DRP-S1270D840-X4F0-XX-UDD-A-W

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1763.0	1763.0	1763.0	1763.0	1763.0	1763.0	1763.0	1763.0	1763.0	1763.0	1763.0
2.5°	1826.6	1821.4	1815.4	1804.9	1792.2	1785.5	1775.0	1768.3	1754.8	1743.6	1731.6
5°	1906.0	1886.5	1868.5	1845.3	1819.9	1803.4	1784.0	1762.3	1739.8	1716.6	1691.2
7.5°	1985.3	1953.1	1917.9	1881.3	1845.3	1811.7	1780.2	1748.1	1718.9	1682.2	1651.5
10°	2065.3	2021.9	1975.5	1920.9	1867.8	1821.4	1774.3	1733.1	1691.2	1646.3	1606.6
12.5°	2145.4	2084.1	2013.7	1952.4	1885.8	1827.4	1769.8	1714.4	1659.0	1608.1	1560.2
15°	2174.6	2123.7	2063.1	1977.8	1906.0	1828.9	1755.5	1687.4	1623.8	1568.5	1510.1
17.5°	2203.0	2137.9	2073.6	1991.3	1897.7	1814.7	1731.6	1657.5	1587.2	1517.6	1464.5
20°	2209.8	2142.4	2074.3	1994.3	1897.7	1798.9	1715.9	1622.3	1545.3	1472.7	1403.8
22.5°	2207.5	2129.0	2053.4	1970.3	1876.8	1787.7	1683.0	1587.2	1501.9	1430.8	1358.2
25°	2191.1	2109.5	2016.7	1933.6	1840.9	1744.3	1642.5	1543.8	1458.5	1376.9	1305.8
27.5°	2181.3	2078.1	1976.3	1880.5	1791.5	1702.4	1603.6	1501.9	1408.3	1325.3	1259.4
30°	2159.6	2043.6	1925.4	1824.4	1732.3	1646.3	1554.2	1455.5	1356.7	1275.9	1204.0
32.5°	2140.2	2000.2	1873.8	1761.5	1662.8	1579.7	1496.6	1403.8	1307.3	1225.0	1153.2
35°	2114.0	1957.6	1814.7	1690.4	1586.4	1500.4	1429.3	1341.7	1252.7	1173.4	1104.5
37.5°	2083.3	1902.2	1751.1	1621.6	1508.6	1418.8	1351.5	1283.4	1194.3	1116.5	1055.1
40°	2045.9	1842.3	1680.0	1546.8	1428.5	1334.2	1272.9	1209.3	1138.2	1067.1	1001.2
42.5°	1998.7	1788.5	1608.1	1462.2	1345.5	1254.2	1189.1	1137.4	1076.8	1011.7	951.9
45°	1938.9	1721.1	1529.6	1375.4	1257.2	1166.6	1100.0	1059.6	1012.5	949.6	898.0
47.5°	1859.6	1644.8	1447.2	1287.8	1165.9	1082.1	1018.5	978.8	944.4	895.0	846.3
50°	1746.6	1557.2	1356.7	1198.8	1076.8	992.3	934.6	899.5	871.0	835.1	795.5
52.5°	1620.1	1447.2	1267.6	1112.0	991.5	908.5	852.3	822.4	799.9	776.7	737.8
55°	1484.7	1335.0	1164.4	1016.2	904.7	823.1	773.8	746.8	727.4	707.9	684.0
57.5°	1338.7	1217.5	1061.1	922.7	819.4	743.1	696.7	669.0	653.3	642.8	627.8
60°	1183.1	1082.8	952.6	829.1	728.9	663.0	618.1	597.9	585.2	577.0	566.5
62.5°	1038.7	960.8	842.6	732.6	648.0	586.7	547.8	528.3	516.3	513.3	505.1
65°	897.2	833.6	734.1	640.6	565.7	512.6	478.9	460.2	452.7	448.2	449.0
67.5°	755.0	713.9	630.8	548.5	487.2	440.0	412.3	398.1	394.4	387.6	387.6
70°	627.1	597.9	530.6	461.0	407.8	373.4	349.5	334.5	330.8	327.8	327.0
72.5°	514.1	489.4	433.3	380.9	334.5	305.3	286.6	279.1	272.4	270.9	270.9
75°	403.3	389.1	342.7	298.6	265.7	244.7	231.2	223.0	218.5	217.8	218.5
77.5°	304.6	291.1	258.9	226.0	204.3	187.8	175.1	172.9	166.9	167.6	166.1
80°	215.5	207.3	188.6	163.9	146.7	133.2	127.2	122.0	120.5	118.2	120.5
82.5°	141.4	132.5	121.2	107.8	94.3	87.6	81.6	80.8	80.1	79.3	79.3
85°	77.1	77.8	70.3	58.4	52.4	47.9	44.2	44.2	43.4	42.7	43.4
87.5°	32.9	31.4	28.4	26.2	22.4	20.2	19.5	20.2	18.0	17.2	18.0
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°	1763.0	1763.0	1763.0	1763.0	1763.0	1763.0	1763.0	1763.0	1763.0	1763.0	1763.0
2.5°	1724.9	1716.6	1709.9	1694.9	1686.7	1675.5	1666.5	1676.2	1665.7	1670.2	1663.5
5°	1678.5	1657.5	1642.5	1620.8	1602.1	1584.9	1572.2	1570.0	1564.0	1561.0	1552.0
7.5°	1623.1	1599.1	1574.5	1547.5	1525.1	1501.1	1486.9	1473.4	1465.2	1454.7	1446.5
10°	1575.2	1540.0	1510.1	1475.7	1445.7	1419.6	1398.6	1388.1	1378.4	1364.2	1358.9
12.5°	1516.1	1479.4	1441.3	1403.8	1375.4	1345.5	1328.3	1311.0	1305.1	1288.6	1287.8
15°	1471.2	1416.6	1380.6	1343.2	1303.6	1279.6	1264.7	1247.4	1240.0	1228.7	1220.5
17.5°	1415.8	1366.4	1321.5	1283.4	1247.4	1228.0	1208.5	1196.6	1183.8	1175.6	1162.1
20°	1354.4	1308.1	1263.2	1222.0	1195.8	1172.6	1157.6	1146.4	1132.9	1129.2	1115.7
22.5°	1302.8	1250.4	1207.8	1174.9	1145.7	1118.7	1102.3	1095.5	1087.3	1073.8	1073.8
25°	1245.9	1192.8	1156.1	1121.7	1096.3	1072.3	1061.1	1051.4	1042.4	1034.2	1031.2
27.5°	1198.1	1150.9	1106.0	1074.6	1052.9	1030.4	1020.7	1008.0	1001.2	994.5	985.5
30°	1147.2	1098.5	1060.4	1030.4	1006.5	987.0	976.5	968.3	962.3	956.3	951.9
32.5°	1094.8	1050.6	1014.0	984.8	960.8	947.4	938.4	933.1	926.4	918.9	912.9
35°	1049.9	1000.5	964.6	939.1	920.4	909.2	898.7	893.5	886.0	886.0	880.0
37.5°	996.8	953.4	921.2	898.0	881.5	871.0	859.1	856.1	850.8	847.8	845.6
40°	950.4	910.7	880.8	857.6	839.6	831.4	822.4	816.4	813.4	809.7	808.2
42.5°	902.5	865.1	836.6	815.7	800.7	794.0	785.7	782.0	775.3	770.0	769.3
45°	853.8	817.2	791.0	773.8	760.3	752.1	746.8	737.8	734.8	728.9	728.1
47.5°	808.9	773.0	746.8	732.6	720.6	714.6	706.4	696.7	692.9	689.2	688.4
50°	757.3	725.1	701.2	687.7	676.5	666.7	658.5	652.5	650.3	650.3	651.8
52.5°	704.9	678.7	659.3	642.1	631.6	621.1	613.6	610.6	606.9	611.4	614.4
55°	654.0	626.3	611.4	595.7	585.2	573.2	569.5	568.0	565.7	571.7	574.7
57.5°	599.4	580.7	562.7	546.3	537.3	529.8	523.8	523.1	527.6	529.1	538.0
60°	547.8	525.3	509.6	497.6	486.4	481.9	480.4	478.9	481.9	490.1	502.9
62.5°	490.9	473.7	456.5	448.2	440.8	432.5	432.5	434.0	440.8	450.5	463.2
65°	435.5	419.8	408.6	398.1	391.4	386.9	388.4	391.4	398.1	410.8	425.0
67.5°	378.6	368.2	357.7	348.0	341.2	342.0	342.7	346.5	354.7	369.7	383.1
70°	324.0	312.0	303.8	300.1	294.8	291.8	296.3	303.8	310.6	324.0	335.2
72.5°	269.4	259.7	253.7	251.4	249.9	247.7	248.4	256.7	266.4	279.9	293.3
75°	215.5	211.8	207.3	204.3	202.0	203.5	205.0	212.5	220.0	234.2	249.2
77.5°	166.9	162.4	159.4	158.6	157.1	157.9	161.6	167.6	175.1	185.6	197.6
80°	119.0	117.5	116.0	115.2	115.2	116.0	122.0	125.7	132.5	142.2	151.2
82.5°	78.6	77.8	77.8	77.8	78.6	78.6	81.6	86.8	92.0	98.8	106.3
85°	45.6	44.2	46.4	47.1	45.6	47.9	49.4	52.4	54.6	58.4	62.1
87.5°	18.7	20.2	19.5	20.2	20.2	21.7	21.0	23.9	25.4	26.9	26.2
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: P242819

CATALOG NUMBER: S125DRP-S1270D840-X4F0-XX-UDD-A-W

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	1763.0	1763.0	1763.0	1763.0
2.5°	1659.0	1664.3	1659.8	1665.7
5°	1548.3	1541.5	1546.0	1543.0
7.5°	1445.7	1439.8	1430.8	1427.8
10°	1350.7	1342.5	1341.7	1336.5
12.5°	1281.1	1273.6	1263.2	1261.7
15°	1216.0	1210.0	1204.8	1209.3
17.5°	1160.6	1155.4	1153.9	1149.4
20°	1109.0	1105.3	1106.8	1097.0
22.5°	1067.8	1059.6	1058.1	1058.1
25°	1024.4	1020.7	1017.0	1020.7
27.5°	986.3	982.5	981.0	981.8
30°	951.9	944.4	945.1	944.4
32.5°	914.4	909.9	908.5	907.0
35°	877.8	877.8	874.0	874.0
37.5°	844.1	843.3	841.1	842.6
40°	805.2	804.4	802.2	797.7
42.5°	767.8	764.8	764.0	763.3
45°	728.1	728.1	726.6	725.9
47.5°	689.2	690.7	693.7	692.9
50°	654.8	655.5	657.8	658.5
52.5°	616.6	621.8	624.8	624.1
55°	581.4	586.7	591.9	592.7
57.5°	546.3	553.0	558.2	559.7
60°	510.4	520.1	526.8	529.8
62.5°	475.9	487.2	493.9	493.9
65°	437.8	449.0	455.0	459.5
67.5°	398.1	409.3	415.3	419.1
70°	354.0	365.2	374.2	377.2
72.5°	310.6	320.3	327.0	330.8
75°	258.9	272.4	279.1	282.9
77.5°	209.5	223.0	226.7	229.0
80°	160.1	167.6	172.9	173.6
82.5°	113.7	119.7	120.5	122.7
85°	67.3	70.3	71.1	70.3
87.5°	27.7	26.9	26.9	28.4
90°	0.0	0.0	0.0	0.0



TEST NUMBER: P242819
 CATALOG NUMBER: S125DRP-S1270D840-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	19.44	21.01	19.80	21.32	21.64	19.41	20.98	19.78	21.30	21.61
	3H	20.81	22.22	21.19	22.55	22.91	20.84	22.25	21.22	22.58	22.94
	4H	21.30	22.63	21.70	22.98	23.35	21.33	22.65	21.73	23.00	23.38
	6H	21.64	22.87	22.05	23.23	23.62	21.64	22.87	22.06	23.23	23.63
	8H	21.73	22.90	22.16	23.29	23.69	21.72	22.89	22.15	23.28	23.68
	12H	21.78	22.90	22.21	23.28	23.71	21.76	22.88	22.19	23.26	23.69
4H	2H	20.95	22.27	21.35	22.62	23.00	20.49	21.82	20.89	22.16	22.54
	3H	22.29	23.40	22.70	23.79	24.19	22.15	23.26	22.56	23.66	24.06
	4H	22.80	23.79	23.23	24.21	24.65	22.71	23.70	23.14	24.12	24.55
	6H	23.17	24.04	23.63	24.48	24.94	23.08	23.95	23.54	24.39	24.85
	8H	23.27	24.08	23.74	24.53	24.99	23.18	23.99	23.64	24.43	24.90
	12H	23.34	24.06	23.82	24.54	25.01	23.23	23.96	23.71	24.44	24.91
8H	4H	23.28	24.09	23.75	24.54	25.00	23.05	23.86	23.51	24.30	24.77
	6H	23.73	24.41	24.23	24.90	25.37	23.55	24.22	24.05	24.71	25.19
	8H	23.88	24.48	24.39	24.99	25.48	23.70	24.30	24.21	24.81	25.30
	12H	23.98	24.51	24.49	25.00	25.57	23.80	24.33	24.31	24.82	25.38
12H	4H	23.33	24.06	23.81	24.53	25.00	23.07	23.79	23.55	24.27	24.74
	6H	23.82	24.42	24.33	24.93	25.41	23.60	24.20	24.11	24.71	25.20
	8H	24.01	24.54	24.52	25.03	25.60	23.80	24.34	24.31	24.83	25.39