

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: P243782

Luminaire Tested: S125RDRP-H1270D840-X4F0-XX-UDD-A-W

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-2024  
Report Number: P243782  
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-H1270D840-X4F0-XX-UDD-A-W  
Description: DEFINE 5 REGRESSED DIRECT RECESSED WITH ASYMMETRIC FLUSH DIFFUSER.  
HIGH PERFORMANCE LIGHT ENGINE  
Light Source: (184) 4000K CCT, 80 CRI LEDS  
Ballast/Driver: -

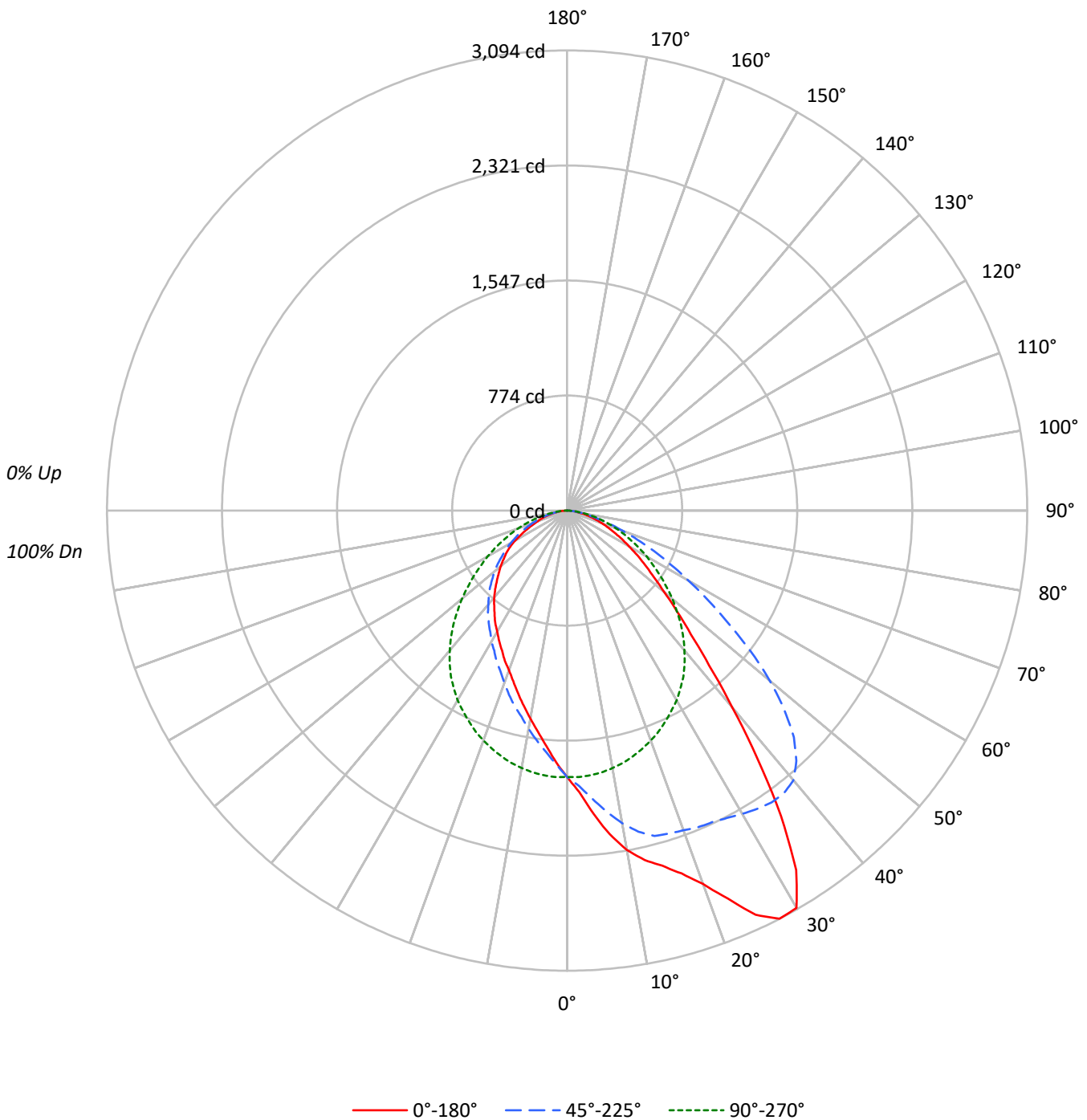
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4767.0 lumens  
Efficiency: N/A  
Efficacy: 126.4 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): 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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	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°	12731	12731	12731	12731	12731
5°	14614	13884	12749	11624	11340
10°	16720	15402	12686	10759	10251
15°	18186	16665	12584	10018	9375
20°	20208	17302	12441	9325	8637
25°	23515	18124	12264	8789	8131
30°	25320	19322	12083	8335	7717
35°	21753	20785	11813	7974	7382
40°	16026	21963	11387	7651	7077
45°	11835	21666	10857	7367	6710
50°	9376	19664	10209	7060	6440
55°	7921	16413	9461	6627	6196
60°	6824	13407	8763	6219	5734
65°	5925	10822	7978	5710	4993
70°	5195	8221	7306	5166	4368
75°	4407	5986	6398	4564	4136
80°	3430	4330	5349	4011	3430
85°	3009	3189	4289	3417	3131

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 21666 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	172.4	3.6
10°-20°	510.1	10.7
20°-30°	813.6	17.1
30°-40°	987.8	20.7
40°-50°	890.1	18.7
50°-60°	684.5	14.4
60°-70°	444.2	9.3
70°-80°	213.7	4.5
80°-90°	50.6	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°	1496.1	31.4
0°-40°	2483.9	52.1
0°-60°	4058.5	85.1
0°-90°	4767.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4767.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1791	1791	1791	1791	1791	
5°	2048	1946	1787	1629	1590	204
15°	2472	2265	1710	1362	1274	709
25°	2999	2311	1564	1121	1037	1371
35°	2507	2396	1362	919	851	1534
45°	1178	2156	1080	733	668	935
55°	639	1325	764	535	500	579
65°	352	644	474	340	297	353
75°	160	218	233	166	151	173
85°	37	39	53	42	38	42
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°	1791.2	1791.2	1791.2	1791.2	1791.2	1791.2	1791.2	1791.2	1791.2	1791.2	1791.2
2.5°	1894.9	1902.0	1896.3	1899.8	1894.2	1891.3	1884.2	1873.6	1862.9	1853.0	1852.3
5°	2048.3	2046.9	2041.2	2033.4	2027.7	2013.5	2006.4	1982.2	1965.9	1946.0	1936.1
7.5°	2194.6	2191.0	2182.5	2171.9	2166.9	2148.4	2128.5	2098.0	2072.4	2041.2	2017.7
10°	2316.7	2316.0	2309.6	2302.5	2283.4	2262.8	2243.6	2211.6	2173.3	2134.2	2101.5
12.5°	2406.2	2402.7	2394.9	2382.8	2367.2	2353.0	2327.4	2298.3	2251.4	2211.6	2166.9
15°	2471.6	2470.1	2458.8	2454.5	2424.0	2404.1	2370.0	2340.9	2304.7	2264.9	2216.6
17.5°	2558.2	2561.1	2551.1	2527.0	2499.3	2468.7	2420.4	2372.8	2322.4	2276.3	2237.2
20°	2671.8	2664.7	2647.7	2618.6	2568.9	2531.2	2482.9	2424.0	2355.8	2287.6	2231.5
22.5°	2823.8	2816.0	2789.0	2753.5	2691.0	2622.1	2548.3	2460.2	2382.1	2304.0	2230.1
25°	2998.6	2983.6	2943.9	2905.5	2816.7	2743.6	2633.5	2528.4	2414.7	2311.1	2228.0
27.5°	3093.7	3093.7	3075.3	3033.4	2963.0	2855.1	2742.9	2603.0	2471.6	2329.5	2211.6
30°	3085.2	3080.2	3087.3	3069.6	3024.1	2943.2	2831.6	2684.6	2517.0	2354.4	2213.0
32.5°	2865.0	2867.2	2909.8	2938.9	2961.6	2941.7	2869.3	2736.5	2569.6	2378.5	2207.4
35°	2507.1	2512.8	2588.0	2637.8	2739.3	2797.6	2814.6	2742.9	2593.0	2395.6	2197.4
37.5°	2098.0	2098.0	2185.3	2260.6	2374.3	2517.7	2625.0	2652.0	2578.8	2394.9	2188.9
40°	1727.3	1725.1	1794.0	1886.3	2007.8	2166.2	2326.0	2463.0	2480.8	2367.2	2159.1
42.5°	1413.3	1409.8	1485.1	1536.2	1664.0	1805.4	2017.7	2211.6	2322.4	2281.2	2115.0
45°	1177.5	1174.7	1223.7	1281.9	1372.1	1519.2	1697.4	1912.6	2098.7	2155.5	2032.7
47.5°	1000.0	1001.4	1027.7	1076.7	1153.4	1258.5	1418.3	1617.9	1848.0	1979.4	1929.0
50°	848.0	853.0	872.9	909.8	965.9	1050.4	1187.5	1367.9	1604.4	1778.4	1789.0
52.5°	734.4	741.5	762.8	782.7	829.5	889.2	995.7	1152.0	1347.3	1556.1	1630.7
55°	639.2	642.7	654.8	676.1	710.9	760.6	838.1	957.4	1138.5	1324.6	1456.0
57.5°	559.7	559.7	567.5	582.4	610.1	654.8	706.7	805.4	958.1	1126.4	1266.3
60°	480.1	482.9	488.6	505.0	523.4	557.5	607.9	670.4	802.5	943.2	1093.7
62.5°	413.3	418.3	424.0	431.8	448.9	473.0	508.5	566.0	654.8	784.8	919.0
65°	352.3	357.2	358.0	367.2	378.5	398.4	425.4	467.3	541.2	643.5	754.3
67.5°	298.3	300.4	302.6	309.7	320.3	333.1	350.8	382.1	440.3	509.2	617.2
70°	250.0	251.4	252.1	259.9	264.9	276.3	285.5	305.4	342.3	395.6	479.4
72.5°	204.5	202.4	201.7	208.1	210.2	219.5	230.8	245.0	264.9	302.6	365.1
75°	160.5	161.2	161.9	165.5	166.2	170.5	177.6	186.8	196.0	218.0	257.8
77.5°	123.6	120.7	120.7	125.0	126.4	127.1	132.1	137.1	142.0	154.8	170.5
80°	83.8	85.2	85.2	85.2	85.9	87.4	90.2	94.5	98.0	105.8	108.7
82.5°	59.7	59.7	58.9	60.4	61.1	61.8	61.8	61.8	63.9	66.1	68.9
85°	36.9	37.6	35.5	36.9	37.6	37.6	37.6	37.6	39.8	39.1	39.8
87.5°	15.6	16.3	16.3	17.0	17.0	17.8	17.0	17.8	17.0	17.0	17.8
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):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1791.2	1791.2	1791.2	1791.2	1791.2	1791.2	1791.2	1791.2	1791.2	1791.2	1791.2
2.5°	1850.1	1841.6	1837.3	1828.8	1817.5	1810.4	1803.2	1793.3	1785.5	1773.4	1762.8
5°	1918.3	1901.3	1885.6	1864.3	1843.7	1826.0	1807.5	1786.9	1768.4	1747.9	1725.8
7.5°	1994.3	1967.3	1934.6	1897.0	1865.0	1837.3	1806.1	1775.6	1747.9	1715.2	1685.4
10°	2067.5	2024.1	1980.8	1930.4	1883.5	1842.3	1800.4	1757.8	1721.6	1681.1	1644.2
12.5°	2124.3	2083.1	2018.4	1955.9	1894.9	1841.6	1789.0	1737.2	1689.6	1644.9	1600.8
15°	2174.0	2105.8	2051.1	1982.9	1908.4	1835.9	1770.6	1710.2	1652.7	1600.1	1555.4
17.5°	2188.2	2127.1	2067.5	1987.9	1907.7	1825.3	1750.0	1678.3	1614.3	1556.1	1505.7
20°	2186.8	2125.0	2060.3	1984.4	1899.1	1808.9	1725.1	1644.9	1572.4	1505.7	1451.7
22.5°	2165.5	2105.8	2040.5	1963.8	1877.1	1784.1	1696.0	1607.2	1528.4	1458.8	1403.4
25°	2142.7	2067.5	1999.3	1921.9	1839.5	1753.5	1659.8	1563.9	1481.5	1409.1	1346.6
27.5°	2122.8	2032.7	1948.8	1872.9	1788.3	1710.9	1617.9	1517.7	1433.2	1357.2	1292.6
30°	2090.9	1995.7	1894.2	1811.1	1729.4	1648.4	1563.2	1472.3	1380.0	1302.5	1237.9
32.5°	2063.2	1943.2	1833.1	1739.3	1657.7	1586.6	1505.0	1417.6	1327.4	1253.5	1183.9
35°	2032.7	1889.2	1774.1	1664.0	1582.4	1505.0	1440.3	1361.5	1272.0	1193.9	1131.4
37.5°	1996.4	1833.8	1701.7	1589.5	1505.0	1425.4	1367.2	1296.9	1215.9	1138.5	1076.7
40°	1955.9	1777.0	1625.0	1509.2	1418.3	1338.8	1289.8	1227.3	1158.4	1081.7	1024.1
42.5°	1904.8	1716.6	1555.4	1429.0	1328.1	1256.4	1207.4	1155.5	1092.3	1025.6	963.1
45°	1840.2	1641.3	1472.3	1338.8	1239.3	1169.7	1118.6	1080.2	1029.8	967.3	908.4
47.5°	1761.3	1562.5	1387.1	1248.6	1152.7	1085.9	1038.3	1000.0	961.6	907.7	851.6
50°	1656.9	1472.3	1304.0	1162.6	1061.1	996.4	953.8	923.3	888.5	844.5	793.3
52.5°	1541.9	1370.7	1206.0	1073.9	975.8	911.2	867.2	841.6	815.3	779.1	735.1
55°	1408.4	1269.2	1112.2	982.9	887.1	823.1	788.3	763.5	741.5	713.8	676.8
57.5°	1267.0	1144.9	1008.5	889.2	799.0	738.6	708.1	687.5	669.0	649.1	618.6
60°	1118.6	1032.0	902.7	793.3	714.5	664.8	635.6	616.5	599.4	583.1	560.4
62.5°	963.8	892.0	795.4	702.4	632.1	585.2	563.9	547.6	529.8	515.6	499.3
65°	806.8	765.6	698.9	611.5	546.9	508.5	487.9	474.4	465.9	449.6	436.8
67.5°	664.1	641.3	584.5	525.6	475.8	441.0	421.9	411.9	402.7	394.9	380.7
70°	528.4	512.1	479.4	437.5	398.4	368.6	354.4	351.6	338.8	331.0	323.9
72.5°	402.7	398.4	371.4	353.0	331.0	307.5	296.9	291.2	282.7	275.6	272.7
75°	286.2	292.6	284.1	274.9	264.2	245.0	235.8	233.0	225.1	223.0	219.5
77.5°	195.3	204.5	207.4	203.1	198.2	191.8	185.4	182.5	174.7	173.3	171.2
80°	122.9	136.4	141.3	140.6	138.5	139.2	131.4	130.7	127.1	125.0	127.1
82.5°	74.6	81.7	90.9	93.0	90.2	91.6	89.5	86.6	86.6	88.1	85.2
85°	40.5	41.2	45.5	48.3	51.8	54.7	51.8	52.6	51.8	51.8	49.7
87.5°	17.8	18.5	18.5	17.8	19.2	20.6	23.4	24.9	24.1	22.0	19.2
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):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1791.2	1791.2	1791.2	1791.2	1791.2	1791.2	1791.2	1791.2	1791.2	1791.2	1791.2
2.5°	1754.2	1749.3	1740.8	1733.6	1717.3	1705.9	1704.5	1705.2	1703.8	1702.4	1701.7
5°	1711.6	1695.3	1679.7	1666.2	1647.7	1629.2	1620.7	1617.2	1615.8	1607.9	1612.2
7.5°	1666.2	1641.3	1622.9	1597.3	1575.3	1559.6	1544.7	1537.6	1536.2	1525.6	1522.7
10°	1617.9	1588.1	1560.4	1534.8	1512.8	1490.8	1473.0	1466.6	1458.1	1449.6	1436.8
12.5°	1570.3	1533.4	1502.8	1474.4	1444.6	1419.7	1405.5	1396.3	1385.6	1377.8	1373.6
15°	1513.5	1482.2	1444.6	1414.0	1383.5	1361.5	1342.3	1325.3	1315.3	1308.9	1291.2
17.5°	1462.3	1421.2	1385.6	1356.5	1323.1	1298.3	1278.4	1264.2	1247.1	1234.4	1223.0
20°	1407.7	1365.0	1332.4	1297.6	1263.5	1232.9	1208.1	1196.7	1184.6	1172.6	1166.2
22.5°	1348.7	1311.8	1274.8	1238.6	1202.4	1169.7	1154.1	1137.8	1127.1	1115.0	1106.5
25°	1297.6	1257.1	1220.2	1179.7	1139.9	1120.7	1099.4	1083.1	1074.6	1062.5	1053.3
27.5°	1242.9	1203.8	1159.8	1117.9	1094.4	1061.8	1047.6	1034.8	1023.4	1011.4	1005.0
30°	1191.7	1146.3	1102.3	1069.6	1039.1	1015.6	1002.1	986.5	970.9	965.2	956.7
32.5°	1137.8	1088.8	1050.4	1017.7	992.2	963.8	951.0	938.2	923.3	916.2	908.4
35°	1081.7	1034.1	996.4	966.6	940.3	919.0	904.8	891.3	882.1	871.4	865.8
37.5°	1022.7	981.5	945.3	915.5	891.3	874.3	856.5	845.9	833.1	823.1	818.9
40°	966.6	929.7	894.9	867.2	845.2	824.6	808.9	795.4	787.6	779.1	772.0
42.5°	916.2	877.8	848.0	818.9	799.0	779.1	763.5	753.5	740.0	736.5	726.6
45°	862.2	826.7	796.9	769.9	749.3	732.9	714.5	702.4	693.9	685.4	681.8
47.5°	807.5	774.9	747.2	722.3	701.0	682.5	668.3	655.5	646.3	638.5	634.2
50°	754.3	725.8	698.1	674.0	652.0	638.5	621.4	607.2	600.1	591.6	586.6
52.5°	698.1	674.7	644.9	624.3	603.7	585.9	568.9	559.7	552.6	545.4	541.9
55°	645.6	620.7	595.2	573.1	553.3	534.8	521.3	514.2	505.0	500.7	500.0
57.5°	591.6	566.0	544.7	524.9	502.1	487.9	475.8	467.3	459.5	456.0	456.0
60°	532.7	512.1	492.2	470.2	453.8	437.5	424.7	419.0	411.2	409.8	404.8
62.5°	478.7	459.5	440.3	419.7	404.8	388.5	379.3	371.4	367.2	361.5	355.8
65°	422.6	405.5	387.1	369.3	357.2	339.5	331.0	321.7	316.8	310.4	303.3
67.5°	368.6	352.3	335.2	318.9	308.9	291.9	286.2	274.9	271.3	264.2	257.8
70°	311.8	300.4	286.9	270.6	262.1	248.6	242.9	232.2	226.6	222.3	218.7
72.5°	262.8	252.1	236.5	225.9	215.2	206.7	197.4	192.5	187.5	183.9	183.2
75°	214.5	201.0	191.8	181.8	174.7	166.2	161.9	158.4	156.2	154.1	152.0
77.5°	164.1	158.4	149.1	139.2	133.5	130.0	127.1	125.7	123.6	122.9	120.7
80°	122.2	114.3	108.7	105.1	100.9	98.0	95.9	90.9	88.1	86.6	85.2
82.5°	81.0	78.8	74.6	71.0	67.5	66.8	64.6	63.2	62.5	62.5	61.8
85°	49.0	43.3	43.3	42.6	42.6	41.9	40.5	40.5	39.1	41.2	41.2
87.5°	19.9	19.9	18.5	18.5	19.2	17.8	17.0	17.0	17.0	16.3	17.0
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: P243782

CATALOG NUMBER: S125RDRP-H1270D840-X4F0-XX-UDD-A-W

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°
0°	1791.2	1791.2	1791.2	1791.2
2.5°	1701.7	1698.1	1698.8	1694.6
5°	1604.4	1602.3	1595.2	1589.5
7.5°	1515.6	1506.4	1505.7	1500.0
10°	1432.5	1424.0	1419.7	1420.4
12.5°	1360.1	1350.8	1350.8	1345.2
15°	1282.7	1273.4	1274.8	1274.1
17.5°	1218.7	1212.3	1207.4	1203.1
20°	1156.2	1148.4	1145.6	1142.0
22.5°	1098.7	1093.0	1093.7	1093.7
25°	1044.0	1044.7	1038.3	1036.9
27.5°	995.7	994.3	992.9	990.0
30°	950.3	944.6	943.2	940.3
32.5°	903.4	902.7	897.0	899.1
35°	855.8	853.7	852.3	850.8
37.5°	811.8	807.5	806.8	805.4
40°	767.0	765.6	759.2	762.8
42.5°	718.7	715.9	715.9	715.9
45°	678.3	670.4	670.4	667.6
47.5°	632.8	630.0	628.5	623.6
50°	588.1	583.8	582.4	582.4
52.5°	541.9	541.2	542.6	539.8
55°	501.4	502.1	501.4	500.0
57.5°	457.4	453.8	453.8	454.5
60°	404.8	404.8	406.2	403.4
62.5°	354.4	353.0	348.0	346.6
65°	302.6	296.9	296.2	296.9
67.5°	256.4	254.3	250.7	251.4
70°	216.6	215.9	212.4	210.2
72.5°	181.1	181.1	179.0	179.0
75°	151.3	149.9	149.1	150.6
77.5°	116.5	112.9	114.3	112.2
80°	84.5	85.9	84.5	83.8
82.5°	62.5	61.1	61.8	61.1
85°	39.8	38.4	39.1	38.4
87.5°	16.3	17.0	17.0	15.6
90°	0.0	0.0	0.0	0.0



TEST NUMBER: P243782  
 CATALOG NUMBER: S125RDRP-H1270D840-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	18.76	20.30	19.13	20.61	20.93	19.46	21.00	19.82	21.31	21.63
	3H	19.84	21.23	20.22	21.55	21.91	20.93	22.32	21.31	22.64	23.01
	4H	20.20	21.50	20.60	21.85	22.22	21.46	22.75	21.86	23.10	23.48
	6H	20.42	21.62	20.83	21.98	22.37	21.82	23.01	22.23	23.38	23.77
	8H	20.48	21.62	20.90	22.00	22.41	21.91	23.05	22.34	23.44	23.84
	12H	20.51	21.60	20.94	21.98	22.41	21.97	23.06	22.40	23.45	23.88
4H	2H	20.28	21.58	20.68	21.93	22.30	20.33	21.63	20.73	21.97	22.35
	3H	21.33	22.40	21.74	22.80	23.20	21.99	23.07	22.40	23.47	23.87
	4H	21.69	22.65	22.12	23.07	23.51	22.59	23.56	23.02	23.97	24.41
	6H	21.93	22.77	22.39	23.21	23.67	23.02	23.86	23.48	24.31	24.77
	8H	21.99	22.78	22.46	23.22	23.69	23.15	23.93	23.61	24.38	24.84
	12H	22.04	22.74	22.52	23.22	23.69	23.23	23.93	23.71	24.41	24.88
8H	4H	22.05	22.83	22.51	23.28	23.74	22.74	23.53	23.21	23.97	24.44
	6H	22.34	22.99	22.84	23.48	23.96	23.27	23.91	23.76	24.40	24.88
	8H	22.44	23.02	22.95	23.53	24.02	23.44	24.02	23.96	24.53	25.02
	12H	22.52	23.04	23.03	23.53	24.09	23.58	24.10	24.09	24.59	25.15
12H	4H	22.07	22.77	22.55	23.25	23.72	22.73	23.43	23.22	23.91	24.38
	6H	22.37	22.96	22.89	23.47	23.95	23.26	23.84	23.77	24.35	24.84
	8H	22.51	23.02	23.02	23.51	24.08	23.48	23.99	23.99	24.48	25.05