

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: P242922

Luminaire Tested: S125RDRP-S1270D840-X4F0-XX-UDD-A-W

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2024
Report Number: P242922
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-S1270D840-X4F0-XX-UDD-A-W
Description: DEFINE 5 REGRESSED DIRECT RECESSED WITH ASYMMETRIC FLUSH DIFFUSER
STANDARD LIGHT ENGINE
Light Source: (92) 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

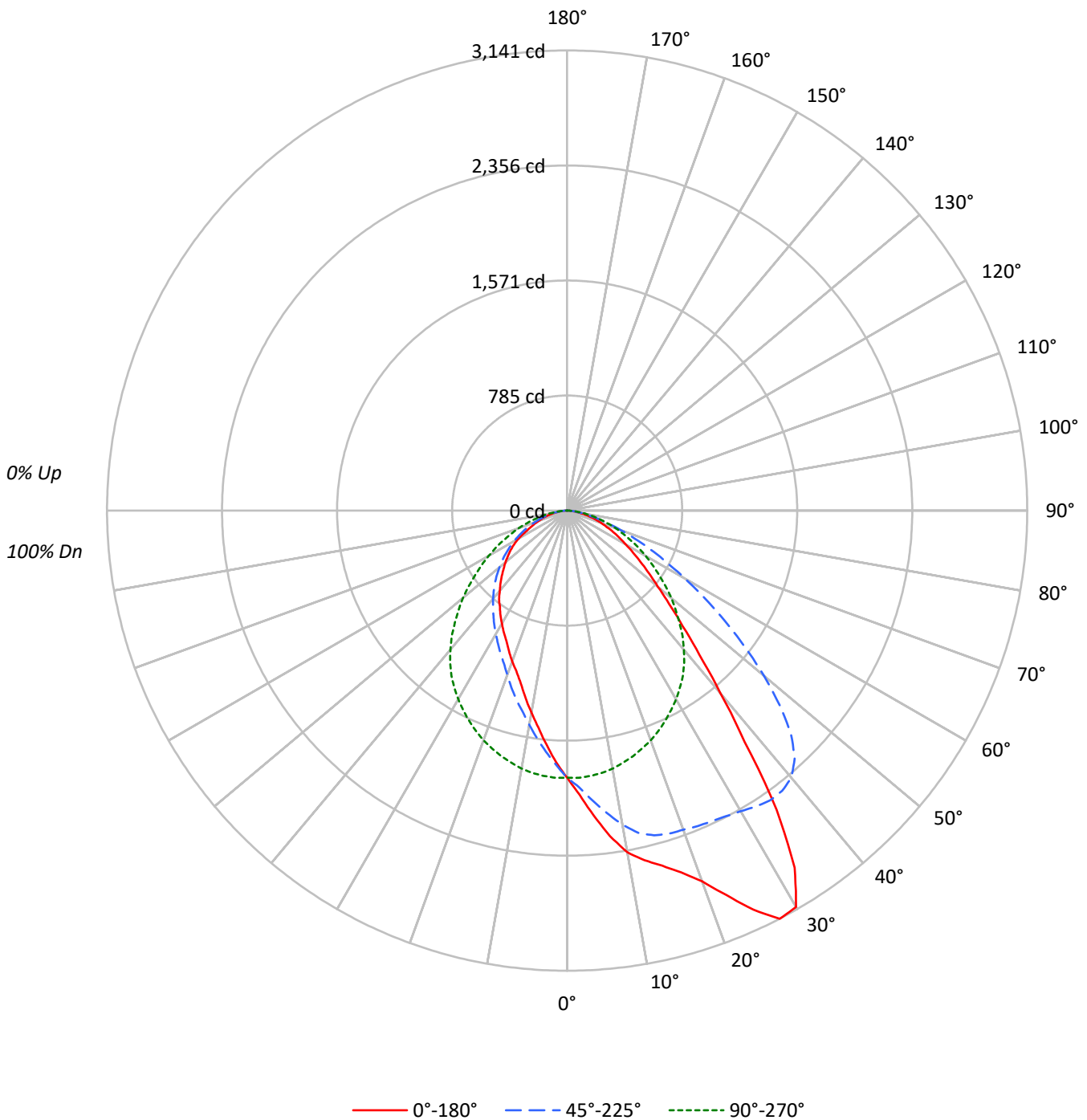
Lumens per Lamp: N/A
Luminaire Lumens: 4723.0 lumens
Efficiency: N/A
Efficacy: 114.9 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1.21 / 1.48
Luminous Opening: Rectangular (W 3.88' x L: 0.39' x H: 0')
CIE Type: Direct

Input Watts (W): 41.1
Input Voltage (V): 120
Input Current (A_{in}): 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°	12956	12956	12956	12956	12956
5°	14906	14169	12973	11788	11457
10°	17098	15716	12907	10714	10110
15°	18467	16887	12774	9839	8986
20°	20364	17534	12621	9033	8297
25°	23567	18339	12417	8444	7699
30°	25646	19443	12203	7977	7308
35°	21633	20958	11953	7609	6947
40°	15107	22092	11504	7290	6637
45°	11207	21737	10899	6988	6333
50°	8936	19370	10268	6661	6074
55°	7585	16264	9486	6323	5841
60°	6553	13178	8786	5936	5467
65°	5839	10521	8029	5499	4707
70°	5131	8071	7354	4991	4291
75°	4438	6022	6371	4438	4028
80°	3369	4318	5362	3950	3369
85°	2805	3050	4208	3360	3172

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 21737 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.8	3.7
10°-20°	512.5	10.9
20°-30°	812.6	17.2
30°-40°	981.9	20.8
40°-50°	874.4	18.5
50°-60°	670.4	14.2
60°-70°	435.4	9.2
70°-80°	211.3	4.5
80°-90°	49.7	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°	1499.9	31.8
0°-40°	2481.8	52.5
0°-60°	4026.6	85.3
0°-90°	4723.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4723.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1823	1823	1823	1823	1823	
5°	2089	1986	1818	1652	1606	208
15°	2510	2295	1736	1337	1221	718
25°	3005	2338	1583	1077	982	1383
35°	2493	2416	1378	877	801	1511
45°	1115	2163	1084	695	630	884
55°	612	1312	766	510	471	554
65°	347	626	477	327	280	345
75°	162	219	232	162	147	172
85°	34	37	52	41	39	41
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°	1822.9	1822.9	1822.9	1822.9	1822.9	1822.9	1822.9	1822.9	1822.9	1822.9	1822.9
2.5°	1941.1	1939.6	1942.6	1934.4	1935.1	1922.4	1922.4	1912.7	1899.9	1890.2	1885.7
5°	2089.3	2090.8	2087.8	2076.5	2069.1	2057.8	2045.1	2022.7	2004.0	1986.0	1971.8
7.5°	2240.4	2241.9	2232.2	2229.9	2210.5	2198.5	2170.1	2140.9	2115.5	2081.8	2057.8
10°	2369.1	2368.4	2357.9	2349.7	2333.2	2312.3	2284.6	2248.7	2215.0	2177.6	2141.6
12.5°	2444.0	2441.7	2440.2	2429.7	2414.8	2396.8	2374.4	2339.2	2295.8	2253.9	2210.5
15°	2509.8	2504.6	2494.8	2482.1	2460.4	2438.7	2412.5	2381.1	2341.4	2295.0	2256.1
17.5°	2589.1	2589.9	2574.9	2561.4	2533.0	2497.1	2458.2	2410.3	2359.4	2312.3	2273.3
20°	2692.4	2690.2	2675.2	2640.8	2607.1	2559.2	2512.8	2450.7	2384.8	2318.2	2266.6
22.5°	2840.6	2833.8	2818.1	2770.2	2713.4	2648.2	2571.2	2491.9	2408.8	2331.0	2259.1
25°	3005.2	3000.7	2970.0	2917.6	2844.3	2749.3	2656.5	2552.5	2438.0	2338.5	2256.1
27.5°	3141.4	3132.4	3104.7	3055.3	2983.5	2881.0	2753.0	2618.3	2482.1	2351.2	2238.2
30°	3124.9	3136.1	3133.2	3112.9	3062.1	2972.3	2856.3	2699.9	2530.0	2369.1	2227.7
32.5°	2890.0	2899.7	2933.4	2988.0	3004.4	2982.0	2902.7	2761.2	2583.9	2395.3	2219.5
35°	2493.3	2506.8	2557.7	2637.8	2742.5	2830.1	2848.0	2770.2	2612.3	2415.5	2211.2
37.5°	1989.0	2076.5	2111.0	2192.5	2357.2	2516.5	2655.0	2686.4	2601.1	2411.0	2201.5
40°	1628.3	1646.3	1722.6	1817.6	1950.8	2118.4	2339.2	2498.6	2503.8	2381.1	2170.1
42.5°	1335.0	1358.9	1405.3	1476.4	1585.7	1753.3	1983.0	2206.0	2326.5	2298.8	2128.9
45°	1115.0	1132.2	1170.3	1228.7	1316.3	1454.7	1650.8	1894.0	2087.0	2162.6	2048.9
47.5°	942.9	951.8	987.0	1034.2	1101.5	1206.3	1365.7	1585.7	1815.4	1968.8	1938.9
50°	808.2	818.6	844.1	877.8	932.4	1017.7	1138.9	1314.8	1553.5	1751.8	1791.4
52.5°	703.4	711.6	725.1	756.5	799.2	859.8	951.8	1106.7	1315.5	1529.5	1634.3
55°	612.1	618.1	630.8	648.8	684.7	731.8	816.4	926.4	1100.0	1312.5	1447.2
57.5°	534.3	537.3	544.8	562.7	588.9	624.1	688.4	788.7	914.4	1114.2	1262.4
60°	461.0	463.9	474.4	485.6	505.1	536.5	584.4	649.5	769.3	927.1	1077.6
62.5°	402.6	404.1	407.1	418.3	434.8	457.2	492.4	542.5	631.6	765.5	905.4
65°	347.2	348.0	349.5	358.4	368.9	386.9	411.6	449.0	520.8	625.6	751.3
67.5°	291.8	293.3	298.6	301.6	314.3	323.3	339.0	368.9	424.3	499.1	600.9
70°	246.9	246.2	251.4	255.2	258.9	270.1	279.9	303.1	334.5	388.4	469.9
72.5°	205.0	202.8	204.3	205.0	210.3	217.0	226.7	238.7	261.2	294.1	351.7
75°	161.6	162.4	162.4	163.9	167.6	170.6	173.6	181.1	194.6	219.3	252.9
77.5°	121.2	119.7	123.5	123.5	126.5	130.2	132.4	135.4	140.7	151.9	172.1
80°	82.3	82.3	83.1	85.3	84.6	86.1	89.8	92.8	99.5	105.5	111.5
82.5°	58.4	57.6	58.4	58.4	58.4	59.9	60.6	60.6	62.1	64.4	68.1
85°	34.4	34.4	35.2	35.2	35.9	35.9	36.7	36.7	36.7	37.4	38.2
87.5°	16.5	15.7	15.0	15.0	15.7	17.2	16.5	15.7	15.7	15.7	16.5
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°	1822.9	1822.9	1822.9	1822.9	1822.9	1822.9	1822.9	1822.9	1822.9	1822.9	1822.9
2.5°	1885.7	1880.5	1870.8	1861.8	1850.6	1840.8	1834.1	1825.9	1815.4	1802.7	1792.2
5°	1956.1	1939.6	1917.9	1899.2	1875.3	1856.5	1837.1	1818.4	1799.7	1775.7	1754.8
7.5°	2033.9	2001.7	1971.8	1932.9	1897.7	1867.0	1837.1	1806.4	1777.2	1744.3	1713.6
10°	2104.2	2063.1	2017.4	1965.0	1917.2	1871.5	1829.6	1788.4	1745.0	1706.9	1665.7
12.5°	2170.1	2114.0	2060.1	1990.5	1930.6	1872.3	1816.1	1762.3	1715.1	1662.7	1617.8
15°	2204.5	2152.1	2093.8	2012.9	1932.9	1865.5	1802.7	1736.1	1678.4	1623.1	1573.7
17.5°	2224.7	2169.3	2102.0	2023.4	1937.4	1853.5	1774.2	1703.1	1637.3	1573.7	1519.1
20°	2215.7	2162.6	2093.0	2018.9	1925.4	1837.1	1749.5	1668.7	1593.1	1525.0	1465.9
22.5°	2194.0	2138.7	2072.1	1992.7	1905.2	1810.1	1715.1	1627.6	1547.5	1476.4	1410.6
25°	2172.3	2097.5	2028.7	1952.3	1867.8	1775.0	1678.4	1583.4	1498.9	1427.0	1356.7
27.5°	2151.4	2060.8	1975.5	1902.2	1811.6	1727.8	1633.5	1535.5	1447.2	1374.6	1302.8
30°	2120.7	2015.9	1919.4	1833.3	1748.8	1670.2	1581.9	1486.9	1395.6	1320.0	1246.7
32.5°	2082.5	1969.5	1861.0	1758.5	1677.7	1599.9	1522.1	1432.3	1344.0	1265.4	1190.6
35°	2051.9	1909.7	1794.4	1688.9	1598.4	1522.8	1451.0	1377.6	1288.6	1207.8	1135.2
37.5°	2009.2	1852.8	1722.6	1607.4	1513.1	1438.2	1380.6	1311.0	1228.0	1149.4	1082.0
40°	1971.0	1789.9	1644.0	1530.3	1430.0	1349.9	1296.8	1239.9	1165.9	1093.3	1025.9
42.5°	1920.1	1732.3	1564.7	1445.0	1344.0	1267.6	1213.7	1165.9	1106.7	1039.4	966.1
45°	1850.6	1654.5	1483.1	1355.9	1254.2	1178.6	1128.4	1084.3	1037.1	974.3	911.4
47.5°	1767.5	1580.4	1400.1	1260.1	1162.1	1091.0	1041.6	1005.0	970.6	915.9	852.3
50°	1663.5	1484.6	1309.5	1174.8	1068.6	1002.0	956.3	928.6	898.0	849.3	798.4
52.5°	1540.8	1385.9	1215.2	1076.8	978.0	916.7	873.3	845.6	821.6	784.2	736.3
55°	1410.6	1270.6	1113.5	988.5	896.5	833.6	791.7	765.5	750.5	716.9	678.7
57.5°	1263.1	1155.4	1013.2	891.2	808.2	745.3	713.9	690.7	673.5	648.8	620.3
60°	1107.5	1037.1	912.9	798.4	723.6	664.5	636.8	618.1	602.4	582.2	561.2
62.5°	949.6	903.2	799.2	704.9	637.6	590.4	565.0	548.5	529.8	517.8	497.6
65°	811.9	766.3	691.4	614.4	550.8	511.1	492.4	477.4	466.2	451.2	437.0
67.5°	659.3	638.3	582.9	525.3	478.9	440.8	424.3	412.3	399.6	390.6	380.1
70°	520.8	511.8	475.2	440.0	397.3	373.4	358.4	353.9	337.5	328.5	321.8
72.5°	398.1	395.1	377.9	356.2	329.3	309.0	295.6	290.3	281.4	274.6	270.9
75°	289.6	291.1	287.3	271.6	260.4	246.9	235.0	232.0	224.5	218.5	214.8
77.5°	197.6	205.0	203.5	202.8	197.6	187.8	182.6	180.3	172.1	169.9	169.1
80°	125.7	133.9	141.4	140.7	139.2	136.9	133.2	131.0	127.2	125.0	123.5
82.5°	73.3	80.8	86.8	92.0	92.0	89.8	87.6	86.8	86.8	85.3	85.3
85°	39.7	41.2	43.4	48.6	52.4	53.1	52.4	51.6	49.4	50.1	50.9
87.5°	17.2	17.2	18.0	18.0	17.2	21.0	23.2	23.9	22.4	21.0	19.5
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1822.9	1822.9	1822.9	1822.9	1822.9	1822.9	1822.9	1822.9	1822.9	1822.9	1822.9
2.5°	1784.7	1774.2	1766.7	1751.8	1741.3	1736.8	1728.6	1726.3	1734.6	1728.6	1727.8
5°	1739.1	1717.4	1700.1	1682.9	1664.2	1652.3	1634.3	1631.3	1626.8	1620.1	1618.6
7.5°	1685.9	1659.0	1638.8	1610.4	1587.2	1568.4	1546.0	1537.0	1532.5	1524.3	1510.8
10°	1632.1	1598.4	1568.4	1540.0	1509.3	1484.6	1462.2	1445.0	1433.8	1423.3	1418.8
12.5°	1578.9	1544.5	1504.1	1468.2	1433.0	1404.6	1379.1	1369.4	1356.7	1344.0	1332.0
15°	1523.5	1477.9	1436.0	1396.3	1367.2	1337.2	1313.3	1296.8	1278.1	1272.9	1252.7
17.5°	1464.4	1421.8	1372.4	1329.7	1296.8	1265.4	1239.2	1219.7	1205.5	1185.3	1175.6
20°	1409.8	1356.7	1308.8	1270.6	1233.2	1194.3	1167.4	1151.6	1138.2	1122.5	1115.0
22.5°	1351.4	1299.8	1250.4	1204.0	1165.9	1127.7	1110.5	1094.0	1078.3	1064.1	1053.6
25°	1294.6	1242.2	1190.6	1144.2	1104.5	1076.8	1054.4	1035.7	1027.4	1013.2	1002.7
27.5°	1237.7	1182.3	1129.9	1081.3	1050.6	1022.9	1005.0	990.0	974.3	961.6	951.8
30°	1183.1	1126.2	1067.8	1031.2	998.2	972.0	951.8	937.6	926.4	915.2	908.4
32.5°	1128.4	1069.3	1019.2	978.8	948.1	926.4	905.4	892.0	880.0	867.3	859.1
35°	1069.3	1009.5	967.6	928.6	898.0	877.0	862.8	843.3	833.6	824.6	816.4
37.5°	1016.2	959.3	912.9	879.3	850.8	830.6	811.9	802.2	789.5	782.0	775.2
40°	956.3	905.4	864.3	828.4	808.9	785.7	768.5	755.0	746.1	735.6	728.1
42.5°	902.5	856.1	816.4	785.0	759.5	740.8	724.4	710.9	698.9	692.2	686.2
45°	852.3	805.2	766.3	736.3	713.9	695.2	678.0	671.2	656.3	647.3	644.3
47.5°	799.9	757.3	719.1	691.4	668.2	651.0	634.6	619.6	612.1	603.1	598.6
50°	746.8	706.4	671.2	644.3	621.8	602.4	587.4	578.4	567.2	559.0	553.0
52.5°	693.7	657.0	621.8	596.4	577.7	558.2	541.0	532.0	521.6	517.1	513.3
55°	643.5	603.9	573.9	548.5	528.3	510.3	494.6	485.6	478.9	473.7	472.2
57.5°	585.9	553.7	525.3	502.9	481.2	463.9	449.7	441.5	435.5	434.8	429.5
60°	529.8	501.4	475.9	451.2	433.3	417.6	405.6	395.9	389.9	389.1	387.6
62.5°	473.7	446.7	423.5	402.6	386.9	371.9	360.7	349.5	346.5	342.0	338.2
65°	418.3	393.6	374.2	356.9	339.7	327.0	315.8	309.0	300.8	296.3	288.1
67.5°	363.7	343.5	324.8	310.5	296.3	283.6	273.9	264.2	258.2	254.4	247.7
70°	309.8	294.8	276.1	260.4	249.9	240.2	232.7	221.5	217.8	214.8	211.8
72.5°	258.9	246.2	231.2	219.3	208.8	199.8	190.8	187.1	183.3	180.3	178.8
75°	211.8	199.0	185.6	176.6	169.1	161.6	157.1	153.4	151.9	151.2	148.2
77.5°	164.6	157.1	145.9	137.7	132.4	129.5	125.0	123.5	124.2	120.5	119.7
80°	119.0	115.2	106.3	103.3	99.5	96.5	94.3	90.5	86.8	85.3	83.1
82.5°	80.8	77.1	74.8	69.6	66.6	65.1	62.9	62.1	63.6	61.4	60.6
85°	47.1	43.4	41.9	41.2	39.7	41.2	40.4	39.7	38.9	38.2	38.9
87.5°	18.7	18.7	18.0	19.5	17.2	18.0	18.0	17.2	17.2	17.2	16.5
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: P242922

CATALOG NUMBER: S125RDRP-S1270D840-X4F0-XX-UDD-A-W

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	1822.9	1822.9	1822.9	1822.9
2.5°	1727.1	1718.9	1716.6	1719.6
5°	1611.1	1603.6	1607.4	1605.9
7.5°	1513.1	1503.3	1492.1	1495.1
10°	1409.1	1401.6	1397.1	1400.8
12.5°	1321.5	1317.8	1314.0	1311.0
15°	1243.7	1234.7	1231.0	1221.2
17.5°	1168.9	1165.9	1156.1	1149.4
20°	1103.7	1100.8	1091.0	1097.0
22.5°	1049.9	1042.4	1040.9	1037.1
25°	999.7	990.0	986.3	981.8
27.5°	948.8	943.6	938.4	936.9
30°	899.5	894.2	890.5	890.5
32.5°	855.3	851.6	847.8	847.1
35°	812.7	806.7	805.2	800.7
37.5°	767.8	762.5	762.5	763.3
40°	725.1	721.4	720.6	715.4
42.5°	679.5	678.0	675.0	673.5
45°	639.1	633.8	633.8	630.1
47.5°	596.4	591.9	592.7	588.2
50°	553.7	551.5	550.8	549.3
52.5°	511.1	510.3	514.1	510.3
55°	473.7	471.4	475.9	471.4
57.5°	429.5	428.0	432.5	429.5
60°	386.1	381.6	383.9	384.6
62.5°	334.5	332.2	333.7	329.3
65°	286.6	284.4	281.4	279.9
67.5°	249.2	242.5	242.5	243.9
70°	207.3	207.3	206.5	206.5
72.5°	178.1	177.3	175.9	175.1
75°	148.2	148.9	147.4	146.7
77.5°	116.0	112.2	113.7	112.2
80°	83.1	82.3	84.6	82.3
82.5°	61.4	60.6	61.4	59.9
85°	39.7	38.9	38.2	38.9
87.5°	17.2	16.5	16.5	16.5
90°	0.0	0.0	0.0	0.0



TEST NUMBER: P242922
 CATALOG NUMBER: S125RDRP-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	18.52	20.06	18.89	20.37	20.69	19.50	21.04	19.87	21.35	21.67
	3H	19.65	21.03	20.03	21.36	21.72	20.98	22.36	21.36	22.68	23.05
	4H	20.04	21.33	20.44	21.68	22.05	21.49	22.78	21.89	23.13	23.51
	6H	20.27	21.46	20.68	21.83	22.22	21.84	23.03	22.25	23.40	23.79
	8H	20.32	21.46	20.75	21.85	22.25	21.94	23.08	22.37	23.46	23.87
	12H	20.36	21.44	20.79	21.83	22.25	22.00	23.08	22.43	23.46	23.89
4H	2H	20.11	21.40	20.51	21.75	22.13	20.35	21.64	20.75	21.99	22.37
	3H	21.18	22.25	21.59	22.65	23.05	22.01	23.08	22.42	23.48	23.88
	4H	21.56	22.53	22.00	22.94	23.38	22.60	23.56	23.03	23.98	24.42
	6H	21.82	22.66	22.28	23.10	23.56	23.03	23.86	23.48	24.31	24.77
	8H	21.88	22.66	22.34	23.11	23.57	23.15	23.93	23.61	24.37	24.84
	12H	21.93	22.62	22.41	23.10	23.57	23.23	23.93	23.71	24.41	24.88
8H	4H	21.94	22.72	22.40	23.16	23.63	22.75	23.53	23.21	23.97	24.44
	6H	22.24	22.89	22.74	23.38	23.86	23.26	23.91	23.76	24.40	24.88
	8H	22.34	22.91	22.85	23.42	23.91	23.44	24.02	23.95	24.53	25.01
	12H	22.42	22.93	22.92	23.42	23.98	23.57	24.09	24.08	24.58	25.14
12H	4H	21.96	22.66	22.44	23.14	23.61	22.74	23.43	23.22	23.91	24.38
	6H	22.28	22.86	22.79	23.37	23.85	23.25	23.83	23.77	24.34	24.83
	8H	22.41	22.92	22.92	23.41	23.98	23.47	23.98	23.98	24.47	25.04