

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: P242937

Luminaire Tested: S125RDRP-S1270D940-X4F0-XX-UDD-A-W

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-2024  
Report Number: P242937  
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-S1270D940-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: -

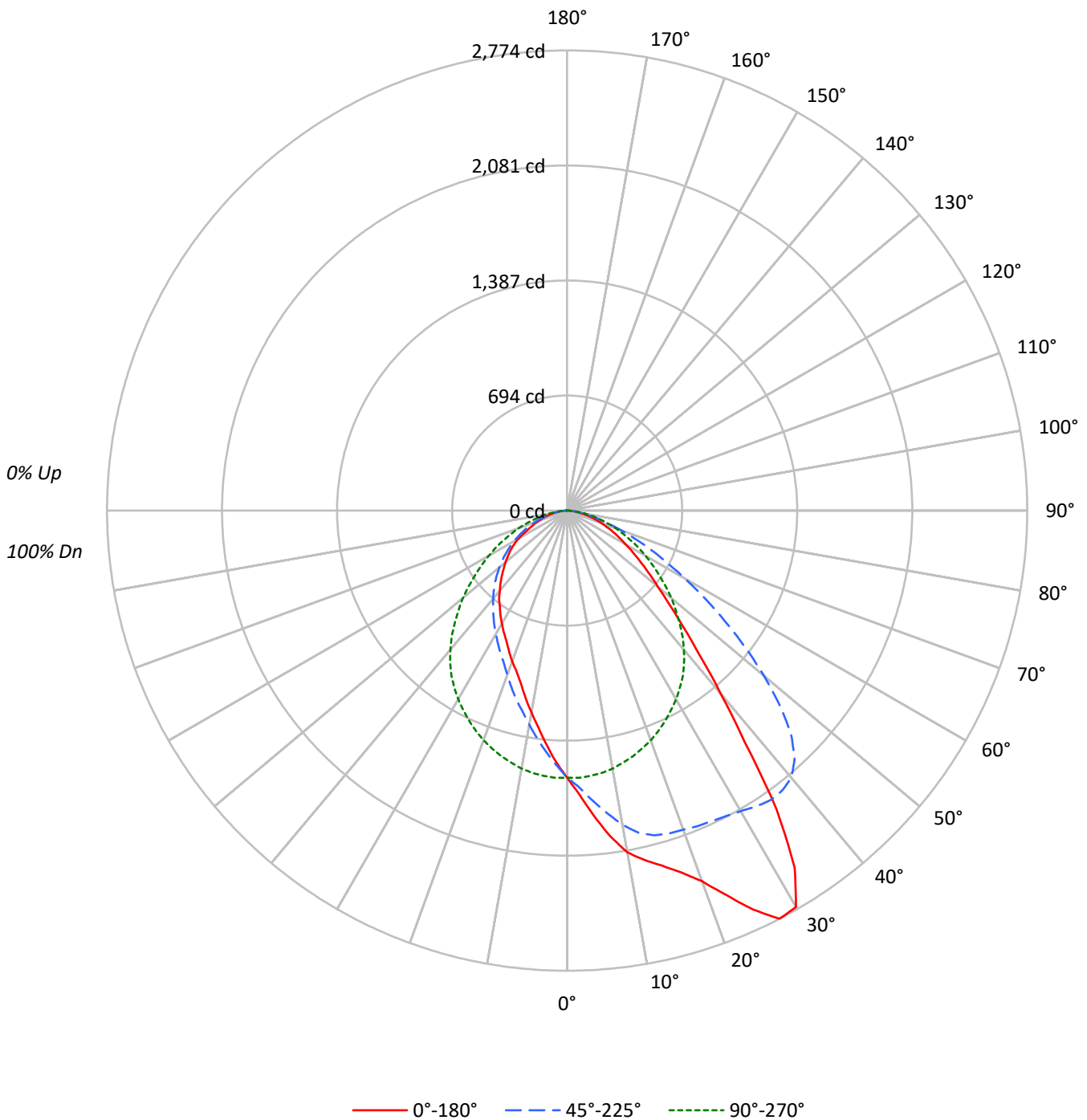
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4170.4 lumens  
Efficiency: N/A  
Efficacy: 101.5 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<sub>in</sub>): 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°	11440	11440	11440	11440	11440
5°	13162	12511	11455	10409	10117
10°	15097	13877	11397	9461	8927
15°	16307	14911	11279	8688	7934
20°	17981	15482	11145	7976	7327
25°	20810	16193	10965	7456	6798
30°	22645	17168	10775	7044	6453
35°	19102	18506	10554	6719	6134
40°	13340	19507	10158	6437	5861
45°	9896	19194	9623	6169	5593
50°	7890	17103	9067	5881	5363
55°	6697	14361	8377	5584	5158
60°	5785	11638	7758	5241	4827
65°	5156	9290	7090	4855	4156
70°	4530	7126	6494	4408	3790
75°	3919	5316	5624	3919	3556
80°	2976	3815	4731	3487	2976
85°	2479	2691	3719	2960	2805

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 19194 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	154.3	3.7
10°-20°	452.5	10.9
20°-30°	717.5	17.2
30°-40°	867.0	20.8
40°-50°	772.1	18.5
50°-60°	592.0	14.2
60°-70°	384.4	9.2
70°-80°	186.6	4.5
80°-90°	43.9	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°	1324.4	31.8
0°-40°	2191.4	52.5
0°-60°	3555.5	85.3
0°-90°	4170.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4170.4	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1610	1610	1610	1610	1610	
5°	1845	1754	1606	1459	1418	184
15°	2216	2026	1533	1181	1078	634
25°	2654	2065	1398	951	867	1221
35°	2202	2133	1216	774	707	1334
45°	984	1910	957	614	556	781
55°	540	1159	676	451	416	489
65°	307	552	422	289	247	305
75°	143	194	205	143	130	152
85°	30	33	46	36	34	36
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°	1609.6	1609.6	1609.6	1609.6	1609.6	1609.6	1609.6	1609.6	1609.6	1609.6	1609.6
2.5°	1714.0	1712.7	1715.3	1708.0	1708.7	1697.5	1697.5	1688.9	1677.7	1669.1	1665.1
5°	1844.8	1846.1	1843.5	1833.6	1827.0	1817.1	1805.8	1786.0	1769.5	1753.6	1741.1
7.5°	1978.3	1979.6	1971.0	1969.0	1951.9	1941.3	1916.2	1890.4	1867.9	1838.2	1817.1
10°	2091.9	2091.3	2082.0	2074.8	2060.2	2041.7	2017.3	1985.6	1955.8	1922.8	1891.1
12.5°	2158.0	2156.0	2154.7	2145.5	2132.2	2116.4	2096.6	2065.5	2027.2	1990.2	1951.9
15°	2216.2	2211.5	2202.9	2191.7	2172.6	2153.4	2130.3	2102.5	2067.5	2026.5	1992.2
17.5°	2286.2	2286.9	2273.7	2261.8	2236.6	2204.9	2170.6	2128.3	2083.4	2041.7	2007.4
20°	2377.4	2375.4	2362.2	2331.8	2302.1	2259.8	2218.8	2164.0	2105.8	2047.0	2001.4
22.5°	2508.2	2502.3	2488.4	2446.1	2395.9	2338.4	2270.3	2200.3	2127.0	2058.2	1994.8
25°	2653.6	2649.6	2622.5	2576.3	2511.5	2427.6	2345.7	2253.8	2152.7	2064.9	1992.2
27.5°	2773.8	2765.9	2741.5	2697.9	2634.4	2543.9	2430.9	2312.0	2191.7	2076.1	1976.3
30°	2759.3	2769.2	2766.6	2748.7	2703.8	2624.5	2522.1	2384.0	2234.0	2091.9	1967.1
32.5°	2551.8	2560.4	2590.2	2638.4	2652.9	2633.1	2563.1	2438.2	2281.6	2115.1	1959.8
35°	2201.6	2213.5	2258.5	2329.2	2421.7	2499.0	2514.8	2446.1	2306.7	2132.9	1952.5
37.5°	1756.3	1833.6	1864.0	1936.0	2081.4	2222.1	2344.4	2372.1	2296.8	2128.9	1943.9
40°	1437.8	1453.7	1521.1	1605.0	1722.6	1870.6	2065.5	2206.3	2210.9	2102.5	1916.2
42.5°	1178.8	1199.9	1240.9	1303.7	1400.1	1548.1	1751.0	1947.9	2054.3	2029.8	1879.8
45°	984.5	999.7	1033.4	1085.0	1162.3	1284.5	1457.6	1672.4	1842.8	1909.6	1809.1
47.5°	832.5	840.5	871.5	913.2	972.6	1065.1	1205.9	1400.1	1603.0	1738.4	1712.0
50°	713.6	722.9	745.3	775.1	823.3	898.6	1005.7	1160.9	1371.7	1546.8	1581.8
52.5°	621.1	628.4	640.3	668.0	705.7	759.2	840.5	977.3	1161.6	1350.6	1443.1
55°	540.5	545.8	557.0	572.9	604.6	646.2	720.9	818.0	971.3	1159.0	1277.9
57.5°	471.8	474.4	481.0	496.9	520.0	551.1	607.9	696.4	807.4	983.9	1114.7
60°	407.0	409.7	418.9	428.8	446.0	473.8	516.0	573.5	679.3	818.7	951.5
62.5°	355.5	356.8	359.4	369.4	383.9	403.7	434.8	479.0	557.7	676.0	799.5
65°	306.6	307.3	308.6	316.5	325.8	341.6	363.4	396.5	459.9	552.4	663.4
67.5°	257.7	259.0	263.6	266.3	277.5	285.4	299.3	325.8	374.6	440.7	530.6
70°	218.0	217.4	222.0	225.3	228.6	238.5	247.1	267.6	295.4	342.9	415.0
72.5°	181.0	179.1	180.4	181.0	185.7	191.6	200.2	210.8	230.6	259.7	310.6
75°	142.7	143.4	143.4	144.7	148.0	150.7	153.3	159.9	171.8	193.6	223.3
77.5°	107.0	105.7	109.0	109.0	111.7	115.0	117.0	119.6	124.2	134.1	152.0
80°	72.7	72.7	73.3	75.3	74.7	76.0	79.3	81.9	87.9	93.2	98.5
82.5°	51.5	50.9	51.5	51.5	51.5	52.9	53.5	53.5	54.8	56.8	60.1
85°	30.4	30.4	31.1	31.1	31.7	31.7	32.4	32.4	32.4	33.0	33.7
87.5°	14.5	13.9	13.2	13.2	13.9	15.2	14.5	13.9	13.9	13.9	14.5
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°	1609.6	1609.6	1609.6	1609.6	1609.6	1609.6	1609.6	1609.6	1609.6	1609.6	1609.6
2.5°	1665.1	1660.5	1651.9	1644.0	1634.0	1625.5	1619.5	1612.2	1603.0	1591.8	1582.5
5°	1727.2	1712.7	1693.5	1677.0	1655.8	1639.3	1622.1	1605.6	1589.1	1568.0	1549.5
7.5°	1795.9	1767.5	1741.1	1706.7	1675.7	1648.6	1622.1	1595.1	1569.3	1540.2	1513.1
10°	1858.0	1821.7	1781.4	1735.1	1692.8	1652.5	1615.5	1579.2	1540.9	1507.2	1470.8
12.5°	1916.2	1866.6	1819.1	1757.6	1704.7	1653.2	1603.6	1556.1	1514.4	1468.2	1428.5
15°	1946.6	1900.3	1848.8	1777.4	1706.7	1647.3	1591.8	1532.9	1482.1	1433.2	1389.6
17.5°	1964.4	1915.5	1856.1	1786.7	1710.7	1636.7	1566.6	1503.9	1445.7	1389.6	1341.3
20°	1956.5	1909.6	1848.1	1782.7	1700.1	1622.1	1544.8	1473.5	1406.7	1346.6	1294.4
22.5°	1937.3	1888.4	1829.6	1759.6	1682.3	1598.4	1514.4	1437.1	1366.4	1303.7	1245.5
25°	1918.2	1852.1	1791.3	1723.9	1649.2	1567.3	1482.1	1398.2	1323.5	1260.1	1197.9
27.5°	1899.7	1819.7	1744.4	1679.6	1599.7	1525.7	1442.4	1355.9	1277.9	1213.8	1150.4
30°	1872.6	1780.1	1694.8	1618.8	1544.2	1474.8	1396.8	1312.9	1232.3	1165.6	1100.8
32.5°	1838.9	1739.1	1643.3	1552.8	1481.4	1412.7	1344.0	1264.7	1186.7	1117.3	1051.3
35°	1811.8	1686.2	1584.5	1491.3	1411.4	1344.6	1281.2	1216.4	1137.8	1066.5	1002.4
37.5°	1774.1	1636.0	1521.1	1419.3	1336.0	1270.0	1219.1	1157.6	1084.3	1014.9	955.4
40°	1740.4	1580.5	1451.7	1351.2	1262.7	1192.0	1145.1	1094.9	1029.5	965.4	905.9
42.5°	1695.5	1529.6	1381.6	1275.9	1186.7	1119.3	1071.7	1029.5	977.3	917.8	853.0
45°	1634.0	1460.9	1309.6	1197.3	1107.4	1040.7	996.4	957.4	915.8	860.3	804.8
47.5°	1560.7	1395.5	1236.3	1112.7	1026.1	963.4	919.8	887.4	857.0	808.8	752.6
50°	1468.9	1310.9	1156.3	1037.4	943.6	884.7	844.4	820.0	792.9	750.0	705.0
52.5°	1360.5	1223.7	1073.1	950.8	863.6	809.4	771.1	746.7	725.5	692.5	650.2
55°	1245.5	1122.0	983.2	872.9	791.6	736.1	699.1	676.0	662.7	633.0	599.3
57.5°	1115.4	1020.2	894.7	787.0	713.6	658.1	630.4	609.9	594.7	572.9	547.8
60°	977.9	915.8	806.1	705.0	638.9	586.7	562.3	545.8	531.9	514.1	495.6
62.5°	838.5	797.5	705.7	622.4	563.0	521.3	498.9	484.3	467.8	457.2	439.4
65°	716.9	676.6	610.5	542.5	486.3	451.3	434.8	421.6	411.6	398.4	385.9
67.5°	582.1	563.6	514.7	463.8	422.9	389.2	374.6	364.1	352.8	344.9	335.7
70°	459.9	452.0	419.6	388.5	350.9	329.7	316.5	312.5	298.0	290.1	284.1
72.5°	351.5	348.9	333.7	314.5	290.7	272.9	261.0	256.4	248.4	242.5	239.2
75°	255.7	257.0	253.7	239.9	229.9	218.0	207.5	204.8	198.2	192.9	189.6
77.5°	174.4	181.0	179.7	179.1	174.4	165.8	161.2	159.2	152.0	150.0	149.3
80°	111.0	118.3	124.9	124.2	122.9	120.9	117.6	115.6	112.3	110.3	109.0
82.5°	64.8	71.4	76.6	81.3	81.3	79.3	77.3	76.6	76.6	75.3	75.3
85°	35.0	36.3	38.3	42.9	46.3	46.9	46.3	45.6	43.6	44.3	44.9
87.5°	15.2	15.2	15.9	15.9	15.2	18.5	20.5	21.1	19.8	18.5	17.2
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°	1609.6	1609.6	1609.6	1609.6	1609.6	1609.6	1609.6	1609.6	1609.6	1609.6	1609.6
2.5°	1575.9	1566.6	1560.0	1546.8	1537.6	1533.6	1526.3	1524.4	1531.6	1526.3	1525.7
5°	1535.6	1516.4	1501.2	1486.0	1469.5	1458.9	1443.1	1440.4	1436.5	1430.5	1429.2
7.5°	1488.7	1464.9	1447.0	1421.9	1401.5	1384.9	1365.1	1357.2	1353.2	1346.0	1334.1
10°	1441.1	1411.4	1384.9	1359.8	1332.7	1310.9	1291.1	1275.9	1266.0	1256.8	1252.8
12.5°	1394.2	1363.8	1328.1	1296.4	1265.3	1240.2	1217.8	1209.2	1197.9	1186.7	1176.1
15°	1345.3	1305.0	1268.0	1233.0	1207.2	1180.8	1159.6	1145.1	1128.6	1123.9	1106.1
17.5°	1293.1	1255.4	1211.8	1174.2	1145.1	1117.3	1094.2	1077.0	1064.5	1046.6	1038.0
20°	1244.9	1197.9	1155.7	1122.0	1088.9	1054.6	1030.8	1016.9	1005.0	991.1	984.5
22.5°	1193.3	1147.7	1104.1	1063.2	1029.5	995.8	980.6	966.0	952.1	939.6	930.3
25°	1143.1	1096.8	1051.3	1010.3	975.3	950.8	931.0	914.5	907.2	894.7	885.4
27.5°	1092.9	1044.0	997.7	954.8	927.7	903.2	887.4	874.2	860.3	849.1	840.5
30°	1044.7	994.4	942.9	910.5	881.4	858.3	840.5	827.9	818.0	808.1	802.2
32.5°	996.4	944.2	899.9	864.3	837.2	818.0	799.5	787.6	777.0	765.8	758.5
35°	944.2	891.4	854.4	820.0	792.9	774.4	761.8	744.7	736.1	728.1	720.9
37.5°	897.3	847.1	806.1	776.4	751.3	733.4	716.9	708.3	697.1	690.5	684.5
40°	844.4	799.5	763.2	731.5	714.3	693.8	678.6	666.7	658.8	649.5	642.9
42.5°	796.9	755.9	720.9	693.1	670.7	654.1	639.6	627.7	617.1	611.2	605.9
45°	752.6	711.0	676.6	650.2	630.4	613.8	598.6	592.7	579.5	571.6	568.9
47.5°	706.3	668.7	635.0	610.5	590.1	574.9	560.3	547.1	540.5	532.6	528.6
50°	659.4	623.8	592.7	568.9	549.1	531.9	518.7	510.8	500.9	493.6	488.3
52.5°	612.5	580.1	549.1	526.6	510.1	492.9	477.7	469.8	460.5	456.6	453.3
55°	568.2	533.2	506.8	484.3	466.5	450.6	436.8	428.8	422.9	418.3	416.9
57.5°	517.4	489.0	463.8	444.0	424.9	409.7	397.1	389.8	384.6	383.9	379.3
60°	467.8	442.7	420.2	398.4	382.6	368.7	358.1	349.5	344.3	343.6	342.3
62.5°	418.3	394.5	374.0	355.5	341.6	328.4	318.5	308.6	305.9	302.0	298.7
65°	369.4	347.6	330.4	315.2	300.0	288.7	278.8	272.9	265.6	261.7	254.4
67.5°	321.1	303.3	286.8	274.2	261.7	250.4	241.8	233.2	228.0	224.7	218.7
70°	273.6	260.3	243.8	229.9	220.7	212.1	205.5	195.6	192.3	189.6	187.0
72.5°	228.6	217.4	204.2	193.6	184.4	176.4	168.5	165.2	161.9	159.2	157.9
75°	187.0	175.8	163.9	155.9	149.3	142.7	138.8	135.5	134.1	133.5	130.8
77.5°	145.4	138.8	128.8	121.6	117.0	114.3	110.3	109.0	109.7	106.4	105.7
80°	105.1	101.8	93.8	91.2	87.9	85.2	83.3	80.0	76.6	75.3	73.3
82.5°	71.4	68.1	66.1	61.5	58.8	57.5	55.5	54.8	56.2	54.2	53.5
85°	41.6	38.3	37.0	36.3	35.0	36.3	35.7	35.0	34.4	33.7	34.4
87.5°	16.5	16.5	15.9	17.2	15.2	15.9	15.9	15.2	15.2	15.2	14.5
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: P242937

CATALOG NUMBER: S125RDRP-S1270D940-X4F0-XX-UDD-A-W

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°
0°	1609.6	1609.6	1609.6	1609.6
2.5°	1525.0	1517.7	1515.8	1518.4
5°	1422.6	1416.0	1419.3	1418.0
7.5°	1336.0	1327.5	1317.5	1320.2
10°	1244.2	1237.6	1233.6	1236.9
12.5°	1166.9	1163.6	1160.3	1157.6
15°	1098.2	1090.2	1086.9	1078.3
17.5°	1032.1	1029.5	1020.9	1014.9
20°	974.6	972.0	963.4	968.7
22.5°	927.0	920.4	919.1	915.8
25°	882.8	874.2	870.9	866.9
27.5°	837.8	833.2	828.6	827.3
30°	794.2	789.6	786.3	786.3
32.5°	755.2	751.9	748.6	748.0
35°	717.6	712.3	711.0	707.0
37.5°	677.9	673.3	673.3	674.0
40°	640.3	637.0	636.3	631.7
42.5°	600.0	598.6	596.0	594.7
45°	564.3	559.7	559.7	556.4
47.5°	526.6	522.7	523.3	519.4
50°	489.0	487.0	486.3	485.0
52.5°	451.3	450.6	453.9	450.6
55°	418.3	416.3	420.2	416.3
57.5°	379.3	378.0	381.9	379.3
60°	340.9	337.0	339.0	339.6
62.5°	295.4	293.4	294.7	290.7
65°	253.1	251.1	248.4	247.1
67.5°	220.0	214.1	214.1	215.4
70°	183.0	183.0	182.4	182.4
72.5°	157.3	156.6	155.3	154.6
75°	130.8	131.5	130.2	129.5
77.5°	102.4	99.1	100.4	99.1
80°	73.3	72.7	74.7	72.7
82.5°	54.2	53.5	54.2	52.9
85°	35.0	34.4	33.7	34.4
87.5°	15.2	14.5	14.5	14.5
90°	0.0	0.0	0.0	0.0



TEST NUMBER: P242937  
 CATALOG NUMBER: S125RDRP-S1270D940-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	18.09	19.63	18.46	19.94	20.25	19.07	20.61	19.44	20.92	21.23
	3H	19.22	20.60	19.60	20.92	21.28	20.55	21.92	20.93	22.25	22.61
	4H	19.60	20.90	20.00	21.24	21.62	21.06	22.35	21.46	22.70	23.08
	6H	19.84	21.03	20.25	21.39	21.79	21.41	22.60	21.82	22.97	23.36
	8H	19.89	21.03	20.32	21.42	21.82	21.51	22.64	21.93	23.03	23.43
	12H	19.92	21.01	20.35	21.39	21.82	21.56	22.65	21.99	23.03	23.46
4H	2H	19.68	20.97	20.08	21.32	21.70	19.92	21.21	20.32	21.56	21.94
	3H	20.75	21.82	21.16	22.22	22.62	21.58	22.65	21.99	23.05	23.45
	4H	21.13	22.09	21.56	22.51	22.95	22.17	23.13	22.60	23.54	23.98
	6H	21.39	22.22	21.84	22.67	23.13	22.59	23.43	23.05	23.87	24.33
	8H	21.45	22.23	21.91	22.67	23.14	22.72	23.50	23.18	23.94	24.41
	12H	21.49	22.19	21.98	22.67	23.14	22.80	23.50	23.28	23.97	24.45
8H	4H	21.50	22.29	21.97	22.73	23.20	22.31	23.10	22.78	23.54	24.01
	6H	21.81	22.46	22.31	22.95	23.42	22.83	23.48	23.33	23.97	24.44
	8H	21.90	22.48	22.42	22.99	23.48	23.01	23.58	23.52	24.09	24.58
	12H	21.98	22.49	22.49	22.99	23.55	23.14	23.65	23.65	24.15	24.71
12H	4H	21.53	22.23	22.01	22.71	23.18	22.30	23.00	22.79	23.48	23.95
	6H	21.84	22.42	22.36	22.93	23.42	22.82	23.40	23.34	23.91	24.40
	8H	21.98	22.49	22.48	22.98	23.54	23.04	23.55	23.55	24.04	24.61