

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: P243771

Luminaire Tested: S125RDRP-H1090D830-X4F0-XX-UDD-A-W

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-2024  
Report Number: P243771  
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-H1090D830-X4F0-XX-UDD-A-W  
Description: DEFINE 5 REGRESSED DIRECT RECESSED WITH ASYMMETRIC FLUSH DIFFUSER.  
HIGH PERFORMANCE LIGHT ENGINE  
Light Source: (184) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

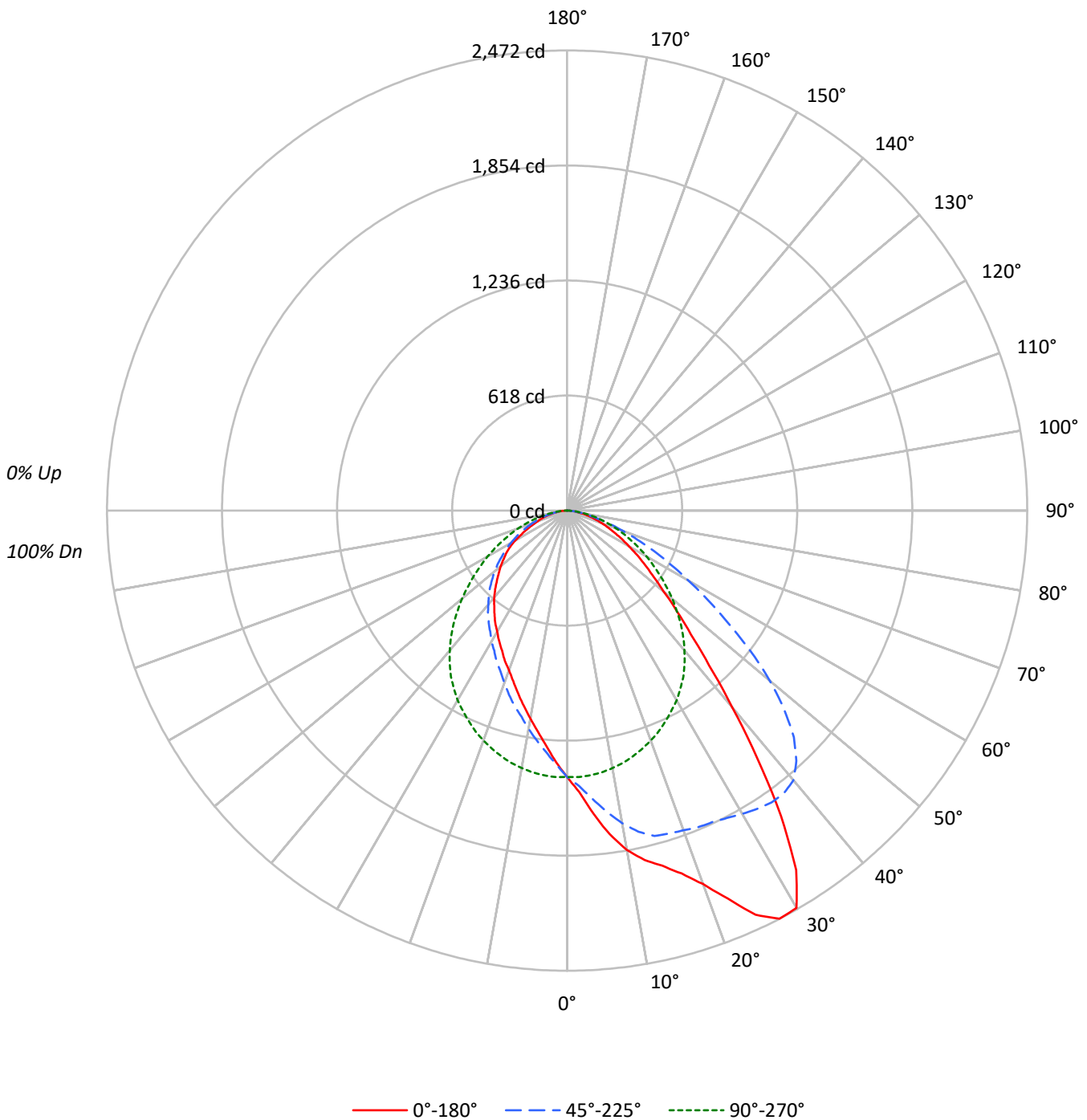
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3808.6 lumens  
Efficiency: N/A  
Efficacy: 120.9 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): 31.5  
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: P243771

CATALOG NUMBER: S125RDRP-H1090D830-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	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					86			
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	75	73					73			
3	92	83	75	69	90	81	74	68	78	72	67	75	70	66	73	69	65	63					63			
4	85	74	65	59	83	72	65	59	70	63	58	68	62	57	66	61	56	54					54			
5	78	66	58	51	76	65	57	51	63	56	51	61	55	50	59	54	50	48					48			
6	73	60	51	45	71	59	51	45	57	50	45	56	49	44	54	48	44	42					42			
7	67	54	46	40	66	54	46	40	52	45	40	51	44	39	49	44	39	37					37			
8	63	50	42	36	61	49	41	36	48	41	36	47	40	35	45	40	35	33					33			
9	59	46	38	32	57	45	38	32	44	37	32	43	37	32	42	36	32	30					30			
10	55	42	35	29	54	42	34	29	41	34	29	40	34	29	39	33	29	27					27			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°	135°	180°
0°	10171	10171	10171	10171	10171
5°	11676	11093	10186	9287	9060
10°	13359	12306	10136	8595	8191
15°	14530	13315	10054	8004	7491
20°	16146	13824	9940	7451	6901
25°	18787	14480	9799	7022	6497
30°	20229	15438	9654	6659	6166
35°	17380	16607	9438	6371	5898
40°	12804	17547	9097	6112	5654
45°	9456	17310	8675	5886	5361
50°	7491	15711	8157	5640	5145
55°	6328	13114	7559	5295	4950
60°	5453	10712	7001	4968	4581
65°	4732	8646	6374	4561	3989
70°	4150	6569	5837	4127	3491
75°	3520	4784	5110	3647	3304
80°	2742	3459	4273	3205	2742
85°	2406	2544	3425	2732	2495

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 17310 cd/sqm



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CATALOG NUMBER: S125RDRP-H1090D830-X4F0-XX-UDD-A-W

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	137.7	3.6
10°-20°	407.5	10.7
20°-30°	650.0	17.1
30°-40°	789.2	20.7
40°-50°	711.2	18.7
50°-60°	546.9	14.4
60°-70°	354.9	9.3
70°-80°	170.8	4.5
80°-90°	40.4	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°	1195.3	31.4
0°-40°	1984.5	52.1
0°-60°	3242.6	85.1
0°-90°	3808.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3808.6	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1431	1431	1431	1431	1431	
5°	1636	1555	1428	1302	1270	163
15°	1975	1810	1366	1088	1018	566
25°	2396	1846	1250	895	828	1095
35°	2003	1914	1088	734	680	1225
45°	941	1722	863	586	533	747
55°	511	1058	610	427	400	463
65°	281	514	379	271	237	282
75°	128	174	186	133	120	138
85°	30	31	42	34	31	34
90°	0	0	0	0	0	



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CATALOG NUMBER: S125RDRP-H1090D830-X4F0-XX-UDD-A-W

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1431.1	1431.1	1431.1	1431.1	1431.1	1431.1	1431.1	1431.1	1431.1	1431.1	1431.1
2.5°	1513.9	1519.6	1515.1	1517.9	1513.4	1511.1	1505.4	1496.9	1488.4	1480.4	1479.9
5°	1636.5	1635.4	1630.8	1624.6	1620.0	1608.7	1603.0	1583.7	1570.7	1554.8	1546.8
7.5°	1753.4	1750.5	1743.7	1735.2	1731.2	1716.5	1700.6	1676.2	1655.8	1630.8	1612.1
10°	1851.0	1850.4	1845.3	1839.6	1824.3	1807.9	1792.5	1767.0	1736.4	1705.1	1679.0
12.5°	1922.5	1919.6	1913.4	1903.7	1891.3	1879.9	1859.5	1836.2	1798.8	1767.0	1731.2
15°	1974.7	1973.5	1964.5	1961.1	1936.7	1920.8	1893.5	1870.3	1841.3	1809.6	1771.0
17.5°	2043.9	2046.2	2038.2	2018.9	1996.8	1972.4	1933.8	1895.8	1855.5	1818.6	1787.4
20°	2134.7	2129.0	2115.4	2092.1	2052.4	2022.3	1983.8	1936.7	1882.2	1827.7	1782.9
22.5°	2256.1	2249.9	2228.3	2200.0	2150.0	2095.0	2036.0	1965.6	1903.2	1840.8	1781.8
25°	2395.7	2383.8	2352.0	2321.4	2250.5	2192.0	2104.1	2020.1	1929.3	1846.4	1780.0
27.5°	2471.8	2471.8	2457.0	2423.5	2367.3	2281.1	2191.4	2079.7	1974.7	1861.2	1767.0
30°	2464.9	2461.0	2466.6	2452.5	2416.1	2351.5	2262.4	2144.9	2011.0	1881.1	1768.1
32.5°	2289.0	2290.7	2324.8	2348.1	2366.2	2350.3	2292.4	2186.3	2053.0	1900.3	1763.6
35°	2003.1	2007.6	2067.7	2107.5	2188.6	2235.1	2248.8	2191.4	2071.7	1914.0	1755.6
37.5°	1676.2	1676.2	1746.0	1806.1	1896.9	2011.6	2097.2	2118.8	2060.4	1913.4	1748.8
40°	1380.0	1378.3	1433.3	1507.1	1604.1	1730.7	1858.4	1967.9	1982.1	1891.3	1725.0
42.5°	1129.2	1126.4	1186.5	1227.4	1329.5	1442.4	1612.1	1767.0	1855.5	1822.6	1689.8
45°	940.8	938.5	977.7	1024.2	1096.3	1213.7	1356.2	1528.1	1676.8	1722.2	1624.0
47.5°	799.0	800.1	821.1	860.2	921.5	1005.5	1133.2	1292.6	1476.5	1581.4	1541.2
50°	677.5	681.5	697.4	726.9	771.7	839.2	948.8	1092.9	1281.8	1420.9	1429.4
52.5°	586.7	592.4	609.4	625.3	662.8	710.4	795.5	920.4	1076.4	1243.3	1302.8
55°	510.7	513.5	523.2	540.2	568.0	607.7	669.6	764.9	909.6	1058.3	1163.2
57.5°	447.1	447.1	453.4	465.3	487.4	523.2	564.6	643.5	765.5	900.0	1011.7
60°	383.6	385.9	390.4	403.4	418.2	445.4	485.7	535.7	641.2	753.6	873.9
62.5°	330.2	334.2	338.8	345.0	358.6	377.9	406.3	452.2	523.2	627.0	734.3
65°	281.4	285.4	286.0	293.4	302.4	318.3	339.9	373.4	432.4	514.1	602.6
67.5°	238.3	240.0	241.7	247.4	255.9	266.1	280.3	305.3	351.8	406.9	493.1
70°	199.7	200.9	201.4	207.7	211.7	220.7	228.1	244.0	273.5	316.1	383.0
72.5°	163.4	161.7	161.2	166.3	168.0	175.3	184.4	195.8	211.7	241.7	291.7
75°	128.2	128.8	129.4	132.2	132.8	136.2	141.9	149.2	156.6	174.2	206.0
77.5°	98.7	96.5	96.5	99.9	101.0	101.6	105.5	109.5	113.5	123.7	136.2
80°	67.0	68.1	68.1	68.1	68.7	69.8	72.1	75.5	78.3	84.5	86.8
82.5°	47.7	47.7	47.1	48.2	48.8	49.4	49.4	49.4	51.1	52.8	55.0
85°	29.5	30.1	28.4	29.5	30.1	30.1	30.1	30.1	31.8	31.2	31.8
87.5°	12.5	13.1	13.1	13.6	13.6	14.2	13.6	14.2	13.6	13.6	14.2
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: P243771

CATALOG NUMBER: S125RDRP-H1090D830-X4F0-XX-UDD-A-W

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1431.1	1431.1	1431.1	1431.1	1431.1	1431.1	1431.1	1431.1	1431.1	1431.1	1431.1
2.5°	1478.2	1471.4	1468.0	1461.1	1452.1	1446.4	1440.7	1432.8	1426.5	1416.9	1408.4
5°	1532.6	1519.0	1506.5	1489.5	1473.1	1458.9	1444.1	1427.7	1412.9	1396.5	1378.9
7.5°	1593.4	1571.8	1545.7	1515.6	1490.1	1468.0	1443.0	1418.6	1396.5	1370.4	1346.5
10°	1651.8	1617.2	1582.6	1542.3	1504.8	1471.9	1438.5	1404.4	1375.5	1343.1	1313.6
12.5°	1697.2	1664.3	1612.7	1562.7	1513.9	1471.4	1429.4	1387.9	1349.9	1314.2	1279.0
15°	1736.9	1682.4	1638.8	1584.3	1524.7	1466.8	1414.6	1366.4	1320.4	1278.4	1242.7
17.5°	1748.3	1699.5	1651.8	1588.3	1524.1	1458.3	1398.2	1340.9	1289.8	1243.3	1203.0
20°	1747.1	1697.8	1646.1	1585.4	1517.3	1445.3	1378.3	1314.2	1256.3	1203.0	1159.8
22.5°	1730.1	1682.4	1630.2	1569.0	1499.7	1425.4	1355.0	1284.1	1221.1	1165.5	1121.3
25°	1712.0	1651.8	1597.3	1535.5	1469.7	1401.0	1326.1	1249.5	1183.7	1125.8	1075.9
27.5°	1696.1	1624.0	1557.0	1496.3	1428.8	1367.0	1292.6	1212.6	1145.1	1084.4	1032.7
30°	1670.5	1594.5	1513.4	1447.0	1381.7	1317.0	1248.9	1176.3	1102.5	1040.7	989.0
32.5°	1648.4	1552.5	1464.6	1389.7	1324.4	1267.7	1202.4	1132.6	1060.5	1001.5	945.9
35°	1624.0	1509.4	1417.5	1329.5	1264.2	1202.4	1150.8	1087.8	1016.3	953.9	903.9
37.5°	1595.1	1465.1	1359.6	1269.9	1202.4	1138.8	1092.3	1036.1	971.5	909.6	860.2
40°	1562.7	1419.7	1298.3	1205.8	1133.2	1069.6	1030.5	980.5	925.5	864.2	818.2
42.5°	1521.9	1371.5	1242.7	1141.7	1061.1	1003.8	964.6	923.2	872.7	819.4	769.4
45°	1470.2	1311.3	1176.3	1069.6	990.2	934.6	893.7	863.1	822.8	772.8	725.8
47.5°	1407.2	1248.4	1108.2	997.6	920.9	867.6	829.6	799.0	768.3	725.2	680.4
50°	1323.8	1176.3	1041.8	928.9	847.7	796.1	762.1	737.7	709.9	674.7	633.8
52.5°	1231.9	1095.2	963.5	858.0	779.7	728.0	692.8	672.4	651.4	622.5	587.3
55°	1125.2	1014.0	888.6	785.3	708.7	657.7	629.9	610.0	592.4	570.3	540.8
57.5°	1012.3	914.7	805.8	710.4	638.4	590.1	565.7	549.3	534.5	518.6	494.2
60°	893.7	824.5	721.2	633.8	570.8	531.1	507.9	492.5	478.9	465.9	447.7
62.5°	770.0	712.7	635.5	561.2	505.0	467.6	450.5	437.5	423.3	412.0	398.9
65°	644.6	611.7	558.4	488.6	436.9	406.3	389.8	379.0	372.2	359.2	349.0
67.5°	530.6	512.4	467.0	419.9	380.2	352.4	337.1	329.1	321.7	315.5	304.1
70°	422.2	409.1	383.0	349.5	318.3	294.5	283.2	280.9	270.7	264.4	258.8
72.5°	321.7	318.3	296.8	282.0	264.4	245.7	237.2	232.6	225.8	220.2	217.9
75°	228.7	233.8	227.0	219.6	211.1	195.8	188.4	186.1	179.9	178.2	175.3
77.5°	156.0	163.4	165.7	162.3	158.3	153.2	148.1	145.8	139.6	138.5	136.8
80°	98.2	108.9	112.9	112.4	110.7	111.2	105.0	104.4	101.6	99.9	101.6
82.5°	59.6	65.3	72.6	74.3	72.1	73.2	71.5	69.2	69.2	70.4	68.1
85°	32.3	32.9	36.3	38.6	41.4	43.7	41.4	42.0	41.4	41.4	39.7
87.5°	14.2	14.8	14.8	14.2	15.3	16.5	18.7	19.9	19.3	17.6	15.3
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: P243771

CATALOG NUMBER: S125RDRP-H1090D830-X4F0-XX-UDD-A-W

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1431.1	1431.1	1431.1	1431.1	1431.1	1431.1	1431.1	1431.1	1431.1	1431.1	1431.1
2.5°	1401.6	1397.6	1390.8	1385.1	1372.1	1363.0	1361.8	1362.4	1361.3	1360.1	1359.6
5°	1367.5	1354.5	1342.0	1331.2	1316.5	1301.7	1294.9	1292.1	1290.9	1284.7	1288.1
7.5°	1331.2	1311.3	1296.6	1276.2	1258.6	1246.1	1234.2	1228.5	1227.4	1218.9	1216.6
10°	1292.6	1268.8	1246.7	1226.2	1208.6	1191.0	1176.9	1171.8	1164.9	1158.1	1147.9
12.5°	1254.6	1225.1	1200.7	1178.0	1154.2	1134.3	1123.0	1115.6	1107.1	1100.8	1097.4
15°	1209.2	1184.2	1154.2	1129.8	1105.4	1087.8	1072.5	1058.8	1050.9	1045.8	1031.6
17.5°	1168.4	1135.4	1107.1	1083.8	1057.1	1037.3	1021.4	1010.0	996.4	986.2	977.1
20°	1124.7	1090.6	1064.5	1036.7	1009.5	985.1	965.2	956.1	946.5	936.8	931.7
22.5°	1077.6	1048.1	1018.5	989.6	960.7	934.6	922.1	909.0	900.5	890.9	884.1
25°	1036.7	1004.4	974.9	942.5	910.7	895.4	878.4	865.3	858.5	848.9	841.5
27.5°	993.0	961.8	926.6	893.1	874.4	848.3	837.0	826.8	817.7	808.0	802.9
30°	952.2	915.8	880.7	854.6	830.2	811.4	800.7	788.2	775.7	771.1	764.3
32.5°	909.0	869.9	839.2	813.1	792.7	770.0	759.8	749.6	737.7	732.0	725.8
35°	864.2	826.2	796.1	772.3	751.3	734.3	722.9	712.1	704.8	696.2	691.7
37.5°	817.1	784.2	755.3	731.4	712.1	698.5	684.3	675.8	665.6	657.7	654.3
40°	772.3	742.8	715.0	692.8	675.2	658.8	646.3	635.5	629.3	622.5	616.8
42.5°	732.0	701.4	677.5	654.3	638.4	622.5	610.0	602.0	591.3	588.4	580.5
45°	688.9	660.5	636.7	615.1	598.6	585.6	570.8	561.2	554.4	547.6	544.7
47.5°	645.2	619.1	596.9	577.1	560.1	545.3	534.0	523.7	516.4	510.1	506.7
50°	602.6	579.9	557.8	538.5	520.9	510.1	496.5	485.2	479.5	472.7	468.7
52.5°	557.8	539.1	515.2	498.8	482.3	468.1	454.5	447.1	441.5	435.8	433.0
55°	515.8	495.9	475.5	457.9	442.0	427.3	416.5	410.8	403.4	400.0	399.5
57.5°	472.7	452.2	435.2	419.3	401.2	389.8	380.2	373.4	367.1	364.3	364.3
60°	425.6	409.1	393.2	375.6	362.6	349.5	339.3	334.8	328.5	327.4	323.4
62.5°	382.5	367.1	351.8	335.4	323.4	310.4	303.0	296.8	293.4	288.8	284.3
65°	337.6	324.0	309.3	295.1	285.4	271.2	264.4	257.0	253.1	248.0	242.3
67.5°	294.5	281.4	267.8	254.8	246.8	233.2	228.7	219.6	216.8	211.1	206.0
70°	249.1	240.0	229.2	216.2	209.4	198.6	194.1	185.6	181.0	177.6	174.8
72.5°	210.0	201.4	189.0	180.4	171.9	165.1	157.7	153.8	149.8	147.0	146.4
75°	171.4	160.6	153.2	145.3	139.6	132.8	129.4	126.5	124.8	123.1	121.4
77.5°	131.1	126.5	119.2	111.2	106.7	103.8	101.6	100.4	98.7	98.2	96.5
80°	97.6	91.4	86.8	84.0	80.6	78.3	76.6	72.6	70.4	69.2	68.1
82.5°	64.7	63.0	59.6	56.7	53.9	53.3	51.6	50.5	49.9	49.9	49.4
85°	39.2	34.6	34.6	34.0	34.0	33.5	32.3	32.3	31.2	32.9	32.9
87.5°	15.9	15.9	14.8	14.8	15.3	14.2	13.6	13.6	13.6	13.1	13.6
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: P243771

CATALOG NUMBER: S125RDRP-H1090D830-X4F0-XX-UDD-A-W

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°
0°	1431.1	1431.1	1431.1	1431.1
2.5°	1359.6	1356.7	1357.3	1353.9
5°	1281.8	1280.1	1274.5	1269.9
7.5°	1210.9	1203.5	1203.0	1198.4
10°	1144.5	1137.7	1134.3	1134.9
12.5°	1086.6	1079.3	1079.3	1074.7
15°	1024.8	1017.4	1018.5	1018.0
17.5°	973.7	968.6	964.6	961.2
20°	923.8	917.5	915.3	912.4
22.5°	877.8	873.3	873.9	873.9
25°	834.1	834.7	829.6	828.5
27.5°	795.5	794.4	793.3	791.0
30°	759.2	754.7	753.6	751.3
32.5°	721.8	721.2	716.7	718.4
35°	683.8	682.1	680.9	679.8
37.5°	648.6	645.2	644.6	643.5
40°	612.8	611.7	606.6	609.4
42.5°	574.2	572.0	572.0	572.0
45°	541.9	535.7	535.7	533.4
47.5°	505.6	503.3	502.2	498.2
50°	469.8	466.4	465.3	465.3
52.5°	433.0	432.4	433.5	431.3
55°	400.6	401.2	400.6	399.5
57.5°	365.4	362.6	362.6	363.2
60°	323.4	323.4	324.6	322.3
62.5°	283.2	282.0	278.0	276.9
65°	241.7	237.2	236.6	237.2
67.5°	204.8	203.1	200.3	200.9
70°	173.1	172.5	169.7	168.0
72.5°	144.7	144.7	143.0	143.0
75°	120.9	119.7	119.2	120.3
77.5°	93.1	90.2	91.4	89.7
80°	67.5	68.7	67.5	67.0
82.5°	49.9	48.8	49.4	48.8
85°	31.8	30.6	31.2	30.6
87.5°	13.1	13.6	13.6	12.5
90°	0.0	0.0	0.0	0.0



TEST NUMBER: P243771  
 CATALOG NUMBER: S125RDRP-H1090D830-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	17.98	19.52	18.35	19.83	20.15	18.68	20.22	19.04	20.53	20.85
	3H	19.06	20.45	19.44	20.77	21.13	20.16	21.54	20.53	21.86	22.23
	4H	19.42	20.72	19.82	21.07	21.44	20.68	21.97	21.08	22.32	22.70
	6H	19.64	20.84	20.05	21.20	21.59	21.04	22.23	21.45	22.60	22.99
	8H	19.70	20.84	20.12	21.23	21.63	21.14	22.27	21.56	22.66	23.07
	12H	19.73	20.82	20.16	21.20	21.63	21.19	22.29	21.62	22.67	23.10
4H	2H	19.50	20.80	19.90	21.15	21.52	19.55	20.85	19.95	21.19	21.57
	3H	20.55	21.62	20.96	22.02	22.42	21.21	22.29	21.62	22.69	23.09
	4H	20.91	21.87	21.34	22.29	22.73	21.81	22.78	22.24	23.19	23.63
	6H	21.15	21.99	21.61	22.43	22.89	22.24	23.08	22.70	23.53	23.99
	8H	21.22	22.00	21.68	22.44	22.91	22.37	23.15	22.83	23.60	24.06
	12H	21.26	21.96	21.74	22.44	22.91	22.45	23.15	22.93	23.63	24.10
8H	4H	21.27	22.05	21.73	22.50	22.96	21.96	22.75	22.43	23.19	23.66
	6H	21.56	22.21	22.06	22.70	23.18	22.49	23.13	22.98	23.62	24.10
	8H	21.66	22.24	22.17	22.75	23.24	22.66	23.24	23.18	23.75	24.24
	12H	21.74	22.26	22.25	22.75	23.31	22.80	23.32	23.31	23.81	24.37
12H	4H	21.29	21.99	21.77	22.47	22.94	21.95	22.65	22.44	23.13	23.60
	6H	21.59	22.18	22.11	22.69	23.17	22.48	23.06	22.99	23.57	24.06
	8H	21.73	22.24	22.24	22.73	23.30	22.70	23.21	23.21	23.70	24.27