

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: P242760

Luminaire Tested: S124RDRP-S1195D935-X4F0-XX-UDD-A-W

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2024
Report Number: P242760
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1802-639-31)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S124RDRP-S1195D935-X4F0-XX-UDD-A-W
Description: DEFINE 4 REGRESSED DIRECT RECESSED WITH ASYMMETRIC FLUSH DIFFUSER
STANDARD LIGHT ENGINE
Light Source: (92) 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

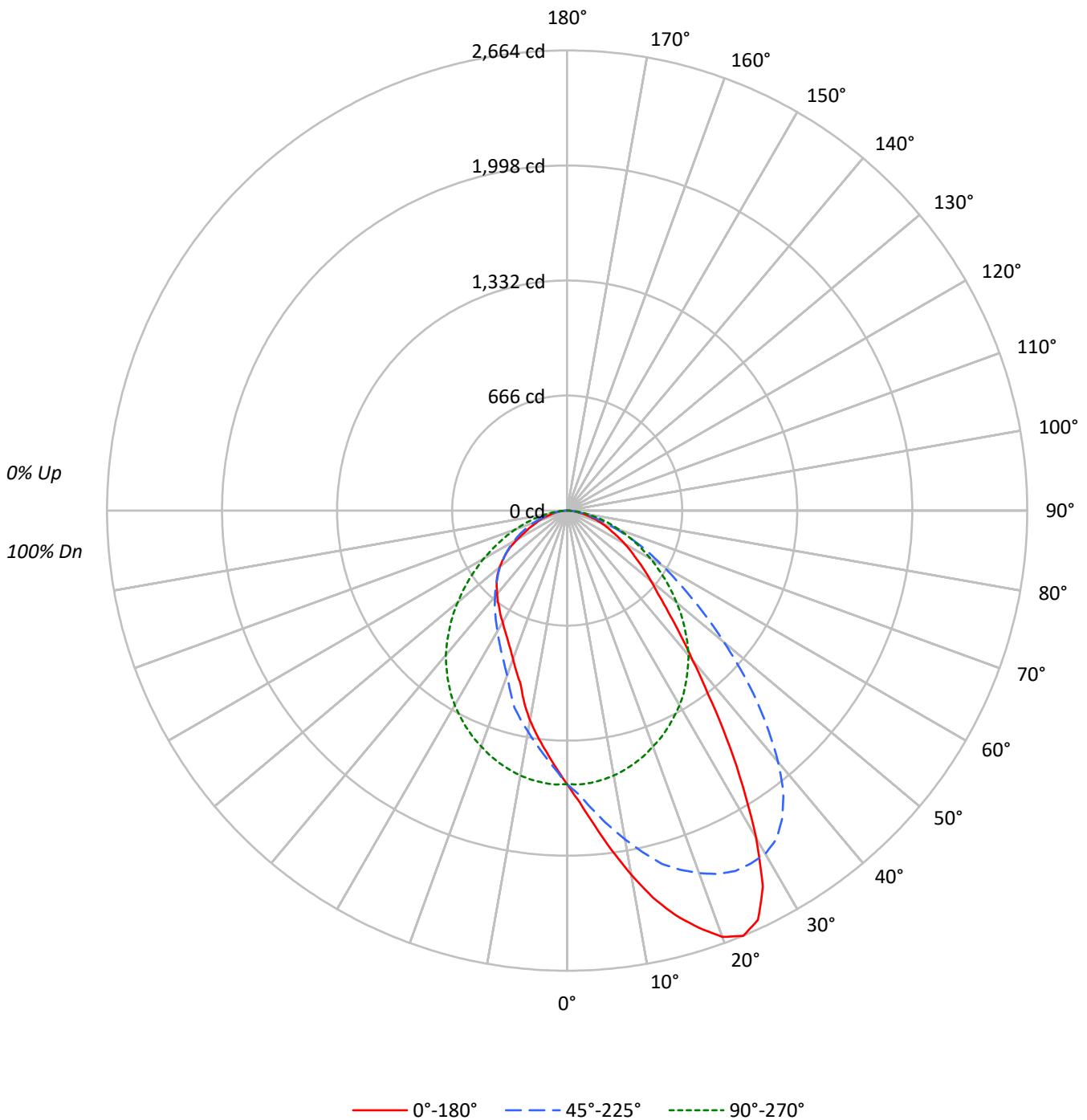
Lumens per Lamp: N/A
Luminaire Lumens: 4003.2 lumens
Efficiency: N/A
Efficacy: 97.4 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.22 / 1.39
Luminous Opening: Rectangular (W 3.88' x L: 0.31' x H: 0')
CIE Type: Direct

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	92	86	81	88	83	79	85	81	77	82	79	76					74				
3	93	83	76	70	90	81	75	69	79	73	68	76	71	67	73	69	65					63				
4	85	74	66	60	83	73	65	59	71	64	59	68	63	58	66	61	57					55				
5	79	67	58	52	77	66	58	52	64	57	51	62	56	51	60	55	50					48				
6	73	61	52	46	71	60	52	46	58	51	46	56	50	45	55	49	45					43				
7	68	55	47	41	66	54	47	41	53	46	41	52	45	40	50	44	40					38				
8	64	51	42	37	62	50	42	37	49	42	37	47	41	36	46	40	36					34				
9	59	47	39	33	58	46	38	33	45	38	33	44	38	33	43	37	33					31				
10	56	43	35	30	55	43	35	30	42	35	30	41	34	30	40	34	30					28				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	14076	14076	14076	14076	14076
5°	16328	15542	14119	12776	12480
10°	19316	17450	14057	11743	11138
15°	22311	19482	13927	10851	9571
20°	24842	21124	13748	9597	8654
25°	25645	22578	13573	8842	8035
30°	22449	23550	13360	8284	7662
35°	17475	23560	13044	7865	7436
40°	13104	22040	12683	7530	7315
45°	10347	19450	12103	7242	7251
50°	8736	16368	11435	6997	7042
55°	7614	13566	10699	6734	6664
60°	6852	11355	9936	6352	5899
65°	6039	9461	9111	5919	5073
70°	5440	7560	8257	5338	4577
75°	4557	5873	7319	4688	3901
80°	3855	4443	6240	3885	3660
85°	3253	3519	4885	3447	3253

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 55°
 Vertical Angle: 45°
 Luminance: 20773 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.3	3.8
10°-20°	463.1	11.6
20°-30°	725.4	18.1
30°-40°	805.5	20.1
40°-50°	713.8	17.8
50°-60°	556.3	13.9
60°-70°	363.9	9.1
70°-80°	178.5	4.5
80°-90°	43.5	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°	1341.7	33.5
0°-40°	2147.3	53.6
0°-60°	3417.3	85.4
0°-90°	4003.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4003.2	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1584	1584	1584	1584	1584	
5°	1830	1742	1582	1432	1399	184
15°	2424	2117	1513	1179	1040	690
25°	2615	2302	1384	902	819	1168
35°	1610	2171	1202	725	685	1008
45°	823	1547	963	576	577	649
55°	491	875	690	434	430	446
65°	287	450	433	281	241	288
75°	133	171	213	136	114	146
85°	32	34	48	34	32	37
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°	1583.6	1583.6	1583.6	1583.6	1583.6	1583.6	1583.6	1583.6	1583.6	1583.6	1583.6
2.5°	1692.1	1697.8	1692.1	1691.4	1685.1	1683.1	1680.6	1672.3	1657.0	1648.0	1650.0
5°	1829.9	1845.8	1836.9	1835.6	1821.6	1807.6	1798.6	1778.2	1756.5	1741.8	1729.7
7.5°	1983.0	1992.6	1986.2	1979.2	1954.9	1947.3	1926.2	1902.0	1865.6	1838.2	1813.3
10°	2140.0	2147.6	2145.1	2128.5	2111.9	2078.1	2058.9	2021.3	1972.2	1933.3	1896.9
12.5°	2294.4	2302.7	2275.2	2280.3	2245.3	2220.4	2187.2	2137.4	2078.7	2025.8	1977.9
15°	2424.5	2414.3	2414.3	2401.6	2366.5	2329.5	2298.2	2248.4	2177.0	2117.0	2053.8
17.5°	2531.7	2536.2	2531.1	2498.6	2473.0	2435.4	2379.2	2322.5	2260.6	2180.2	2117.6
20°	2626.2	2626.2	2620.4	2600.0	2564.3	2523.4	2461.5	2398.4	2314.2	2233.1	2160.4
22.5°	2664.4	2667.0	2660.0	2644.0	2612.8	2573.2	2522.8	2458.4	2370.9	2277.2	2182.7
25°	2614.7	2626.8	2628.1	2623.6	2614.0	2589.8	2544.5	2478.8	2400.9	2302.0	2205.1
27.5°	2453.9	2469.8	2476.2	2490.3	2516.4	2526.0	2520.2	2476.2	2400.9	2303.3	2207.0
30°	2187.2	2199.9	2241.4	2295.7	2337.8	2376.0	2409.2	2418.2	2379.9	2294.4	2191.7
32.5°	1891.1	1909.6	1951.1	2010.5	2087.7	2159.1	2244.0	2289.3	2297.6	2254.8	2161.7
35°	1610.4	1623.2	1661.4	1722.7	1806.9	1903.3	2021.3	2113.2	2175.7	2171.2	2113.2
37.5°	1341.2	1359.0	1397.9	1448.3	1531.3	1654.4	1766.1	1889.2	2001.5	2056.4	2027.0
40°	1129.3	1130.0	1167.6	1219.9	1296.5	1400.5	1524.9	1665.3	1794.2	1899.4	1919.9
42.5°	962.2	962.2	983.9	1041.3	1091.0	1187.4	1304.8	1443.9	1600.2	1725.9	1788.4
45°	823.1	828.8	849.2	883.0	926.4	1009.4	1104.4	1234.0	1403.0	1547.2	1637.2
47.5°	713.3	723.5	735.7	766.3	802.0	860.1	941.1	1062.3	1202.7	1362.8	1487.3
50°	631.7	632.9	649.5	664.8	694.8	738.8	807.8	904.7	1031.1	1183.6	1325.8
52.5°	561.5	560.8	569.1	589.5	612.5	644.4	696.7	782.9	891.3	1024.0	1172.1
55°	491.3	494.5	502.1	517.4	536.0	560.2	604.2	670.6	758.6	875.4	1008.7
57.5°	437.7	439.6	446.6	452.4	470.2	488.1	523.8	571.7	648.9	746.5	877.3
60°	385.4	386.0	387.9	397.5	410.9	427.5	449.8	488.7	551.3	638.7	736.9
62.5°	334.3	335.6	338.8	345.2	354.7	365.0	388.6	417.9	467.0	538.5	624.6
65°	287.1	287.8	292.2	294.8	303.1	313.3	330.5	351.6	387.3	449.8	516.8
67.5°	247.6	247.6	247.6	251.4	257.8	264.8	276.3	294.1	322.8	363.0	425.6
70°	209.3	209.3	210.6	212.5	215.7	221.4	227.1	239.9	259.7	290.9	336.2
72.5°	173.5	174.2	175.5	175.5	176.7	181.2	185.0	192.0	205.4	227.1	261.6
75°	132.7	134.6	137.8	140.4	143.6	142.9	147.4	152.5	157.0	171.0	192.0
77.5°	104.6	103.4	103.4	105.9	106.6	107.2	110.4	114.8	118.7	126.3	134.0
80°	75.3	75.3	77.2	77.8	77.2	77.8	81.0	82.9	84.2	86.8	93.8
82.5°	52.3	53.6	52.3	53.0	53.6	54.2	56.8	56.8	58.1	58.7	60.6
85°	31.9	32.5	33.2	31.9	31.9	31.9	33.2	33.8	35.1	34.5	35.7
87.5°	14.0	13.4	14.0	14.0	14.7	14.0	14.7	16.0	14.7	15.3	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



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1583.6	1583.6	1583.6	1583.6	1583.6	1583.6	1583.6	1583.6	1583.6	1583.6	1583.6
2.5°	1643.6	1634.6	1630.2	1620.0	1607.9	1601.5	1595.7	1587.4	1576.6	1565.1	1556.8
5°	1714.4	1699.1	1680.0	1657.0	1636.6	1616.8	1599.6	1582.3	1562.6	1542.1	1521.7
7.5°	1784.6	1757.2	1727.8	1692.7	1658.9	1627.6	1599.6	1572.1	1540.9	1512.8	1486.6
10°	1858.6	1817.8	1772.5	1724.6	1676.8	1635.3	1594.5	1557.4	1516.6	1480.2	1449.6
12.5°	1918.6	1868.8	1812.0	1749.5	1689.5	1637.2	1588.7	1537.7	1489.8	1449.6	1406.2
15°	1986.2	1920.5	1847.1	1775.7	1701.0	1632.7	1569.6	1513.4	1460.5	1405.0	1366.0
17.5°	2032.8	1956.9	1870.1	1787.1	1701.6	1622.5	1551.1	1486.0	1425.4	1369.9	1323.9
20°	2073.6	1987.5	1888.6	1791.0	1692.1	1605.9	1527.5	1453.4	1390.3	1329.0	1281.2
22.5°	2096.6	1999.0	1888.6	1785.2	1681.9	1586.8	1498.7	1420.9	1350.7	1289.5	1235.2
25°	2097.9	1995.8	1885.4	1768.0	1655.7	1556.8	1467.5	1383.9	1307.3	1246.1	1189.9
27.5°	2092.8	1974.7	1863.7	1744.4	1628.9	1523.6	1431.1	1342.4	1266.5	1201.4	1144.0
30°	2077.4	1948.6	1827.3	1702.3	1584.9	1484.7	1385.8	1301.6	1221.8	1153.6	1095.5
32.5°	2044.3	1916.7	1783.9	1655.1	1535.8	1431.8	1339.2	1254.4	1176.5	1106.4	1043.8
35°	1998.3	1868.8	1727.2	1595.7	1479.0	1371.8	1283.7	1202.1	1127.4	1052.8	987.7
37.5°	1945.4	1810.1	1670.4	1526.2	1410.1	1308.0	1225.7	1147.2	1074.5	1006.2	934.1
40°	1863.7	1743.1	1597.6	1454.7	1334.8	1237.2	1162.5	1093.0	1019.6	952.0	879.9
42.5°	1764.8	1666.6	1519.2	1375.6	1257.6	1164.4	1096.1	1028.5	963.4	898.4	822.4
45°	1652.5	1574.7	1436.9	1299.0	1179.7	1086.6	1022.8	962.8	904.1	841.6	770.7
47.5°	1527.5	1470.0	1350.1	1205.9	1094.2	1008.7	947.5	897.7	846.0	782.9	719.1
50°	1396.0	1362.2	1247.4	1118.5	1013.2	936.0	872.8	826.9	785.4	725.4	669.9
52.5°	1255.7	1241.6	1149.1	1027.2	926.4	851.1	799.5	759.3	717.2	669.9	618.9
55°	1112.7	1122.3	1040.0	933.4	837.7	773.9	724.8	690.4	654.6	612.5	572.3
57.5°	964.1	1000.4	939.2	842.8	750.3	690.4	652.7	622.1	592.1	556.4	520.0
60°	833.3	862.6	831.4	749.1	670.6	615.7	581.3	558.9	528.9	497.0	470.9
62.5°	705.7	737.6	722.3	659.7	588.3	543.0	513.6	493.2	472.8	446.0	418.6
65°	602.9	623.4	614.4	568.5	516.8	476.6	448.5	433.2	412.8	392.4	368.1
67.5°	482.4	522.6	516.2	490.7	440.9	409.0	389.2	375.2	356.0	340.7	323.5
70°	379.6	416.0	415.4	395.6	371.3	342.0	329.2	317.7	301.2	286.5	273.1
72.5°	293.5	326.0	332.4	318.4	303.7	283.3	271.2	264.1	248.2	239.3	229.1
75°	217.6	241.8	248.2	248.2	240.5	229.1	218.2	213.1	201.6	192.7	186.3
77.5°	153.1	169.7	179.3	181.2	181.8	177.4	167.2	163.3	154.4	151.2	144.2
80°	100.8	111.0	122.5	126.3	129.5	128.2	124.4	121.9	113.6	110.4	107.8
82.5°	61.9	66.4	75.3	84.9	82.9	87.4	84.2	82.3	76.6	75.9	73.4
85°	36.4	37.0	38.3	44.0	47.2	48.5	49.1	47.9	45.9	45.9	41.5
87.5°	15.3	14.7	16.0	16.0	16.6	19.1	21.1	21.7	19.8	17.9	16.0
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°	1583.6	1583.6	1583.6	1583.6	1583.6	1583.6	1583.6	1583.6	1583.6	1583.6	1583.6
2.5°	1547.9	1541.5	1533.2	1523.6	1512.1	1501.9	1497.5	1501.3	1503.2	1498.1	1497.5
5°	1507.7	1491.7	1479.0	1459.8	1444.5	1431.8	1422.8	1419.0	1420.3	1410.1	1407.5
7.5°	1463.0	1445.8	1424.7	1403.0	1382.6	1364.8	1355.2	1350.7	1339.9	1335.4	1328.4
10°	1420.3	1394.7	1374.3	1347.5	1323.3	1301.0	1290.1	1281.2	1270.3	1265.2	1254.4
12.5°	1376.2	1345.6	1322.6	1294.6	1269.7	1241.6	1231.4	1212.9	1194.4	1182.3	1167.6
15°	1335.4	1299.7	1272.2	1239.1	1209.7	1179.1	1151.7	1121.0	1109.5	1085.3	1071.3
17.5°	1286.9	1249.9	1219.3	1176.5	1132.5	1095.5	1064.9	1033.0	1015.8	999.2	992.1
20°	1239.1	1205.9	1158.7	1107.0	1056.6	1014.5	990.9	971.7	952.6	941.7	934.1
22.5°	1193.8	1149.1	1092.3	1035.5	985.1	954.5	935.4	915.6	900.9	890.7	879.9
25°	1142.1	1086.6	1028.5	964.7	930.3	901.5	879.9	863.9	854.3	840.9	835.8
27.5°	1091.7	1024.7	959.0	915.6	879.9	852.4	832.6	821.2	808.4	799.5	792.4
30°	1031.7	963.4	906.0	865.2	828.8	807.1	791.8	777.8	768.2	761.2	756.1
32.5°	972.4	904.1	858.2	813.5	786.7	765.6	749.1	739.5	732.5	722.9	720.3
35°	915.6	855.0	812.9	773.3	744.0	724.8	712.0	701.2	694.8	692.3	690.4
37.5°	860.1	809.7	763.1	731.2	703.8	689.1	672.5	667.4	662.9	657.2	659.7
40°	807.8	761.2	721.0	686.5	665.5	648.9	640.0	633.6	629.7	629.7	629.7
42.5°	762.5	717.2	678.2	648.2	627.2	613.8	603.6	598.5	597.8	597.2	601.0
45°	715.2	673.1	633.6	608.0	590.2	576.1	570.4	565.9	565.9	568.5	569.1
47.5°	668.0	628.5	596.6	567.2	550.6	541.7	536.6	534.0	534.0	537.2	539.8
50°	625.3	586.4	555.1	529.6	514.3	506.0	501.5	500.2	501.5	501.5	506.0
52.5°	578.7	544.9	514.3	493.8	476.0	468.3	466.4	464.5	465.1	467.7	469.0
55°	533.4	502.1	472.8	452.4	439.6	434.5	428.8	429.4	428.1	429.4	429.4
57.5°	487.5	460.0	431.3	414.7	403.9	396.2	389.8	391.8	389.8	389.8	389.2
60°	443.4	412.8	391.1	376.4	363.7	357.3	351.6	352.8	350.9	349.6	347.1
62.5°	395.6	371.3	350.9	336.9	327.3	319.7	313.9	312.0	306.9	301.8	295.4
65°	349.6	328.6	310.1	296.7	287.1	281.4	276.9	273.1	263.5	253.3	248.2
67.5°	304.3	289.0	271.2	259.7	252.0	244.4	236.1	229.1	219.5	213.1	209.9
70°	261.0	246.3	231.6	220.8	212.5	205.4	195.9	191.4	185.0	182.5	179.3
72.5°	219.5	206.1	192.7	183.1	174.2	169.1	162.1	157.6	155.7	155.0	151.9
75°	177.4	166.5	156.3	147.4	140.4	136.5	133.3	130.2	128.9	123.1	120.0
77.5°	136.5	128.9	122.5	115.5	111.0	108.5	101.4	97.0	94.4	91.2	90.6
80°	100.8	95.7	89.3	85.5	78.5	75.9	73.4	72.7	72.1	71.5	70.8
82.5°	69.5	64.4	58.1	56.1	55.5	54.2	53.0	52.3	51.7	52.3	52.3
85°	38.3	35.7	35.7	35.1	34.5	33.8	33.2	33.2	32.5	33.2	32.5
87.5°	16.0	15.3	15.3	14.0	14.7	14.7	14.0	14.0	14.7	13.4	13.4
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: P242760

CATALOG NUMBER: S124RDRP-S1195D935-X4F0-XX-UDD-A-W

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	1583.6	1583.6	1583.6	1583.6
2.5°	1493.6	1494.9	1490.5	1489.2
5°	1402.4	1401.1	1397.9	1398.6
7.5°	1323.3	1318.8	1322.0	1316.9
10°	1251.8	1244.8	1239.1	1234.0
12.5°	1154.2	1148.5	1140.2	1143.4
15°	1063.0	1053.4	1038.1	1040.0
17.5°	981.3	982.6	973.6	976.2
20°	920.7	916.2	916.9	914.9
22.5°	878.6	872.8	867.1	862.6
25°	830.1	826.3	820.5	819.2
27.5°	787.3	786.7	784.1	781.0
30°	751.0	749.7	748.4	746.5
32.5°	718.4	717.8	716.5	717.2
35°	687.8	687.2	685.9	685.3
37.5°	659.1	661.0	659.7	659.7
40°	629.1	629.7	631.0	630.4
42.5°	604.2	604.2	606.1	603.6
45°	573.6	577.4	576.8	576.8
47.5°	541.1	545.5	546.2	546.2
50°	509.2	507.9	509.8	509.2
52.5°	470.2	470.9	470.2	469.6
55°	430.0	430.7	429.4	430.0
57.5°	387.3	384.7	386.7	385.4
60°	340.7	335.6	334.3	331.8
62.5°	288.4	285.2	280.1	283.3
65°	243.1	240.5	238.6	241.2
67.5°	206.7	205.4	205.4	204.2
70°	179.3	177.4	177.4	176.1
72.5°	151.2	149.3	149.9	149.3
75°	116.1	112.9	112.9	113.6
77.5°	90.6	90.0	91.2	89.3
80°	70.8	70.2	69.5	71.5
82.5°	51.0	51.0	51.0	53.6
85°	33.2	31.9	33.2	31.9
87.5°	14.7	14.0	13.4	14.0
90°	0.0	0.0	0.0	0.0



TEST NUMBER: P242760
 CATALOG NUMBER: S124RDRP-S1195D935-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	18.29	19.81	18.65	20.13	20.44	20.11	21.63	20.47	21.94	22.26
	3H	19.52	20.88	19.89	21.21	21.57	21.56	22.93	21.94	23.26	23.62
	4H	19.95	21.23	20.35	21.58	21.96	22.08	23.36	22.48	23.71	24.09
	6H	20.22	21.41	20.64	21.77	22.16	22.43	23.61	22.84	23.98	24.37
	8H	20.30	21.43	20.73	21.82	22.22	22.53	23.66	22.96	24.05	24.45
	12H	20.35	21.43	20.78	21.81	22.24	22.59	23.67	23.02	24.05	24.48
4H	2H	19.55	20.83	19.95	21.18	21.56	20.62	21.90	21.02	22.24	22.62
	3H	20.79	21.85	21.20	22.25	22.65	22.36	23.42	22.77	23.82	24.22
	4H	21.25	22.20	21.68	22.62	23.06	22.98	23.94	23.42	24.35	24.79
	6H	21.57	22.40	22.03	22.85	23.31	23.44	24.27	23.90	24.71	25.17
	8H	21.67	22.44	22.13	22.89	23.35	23.58	24.35	24.04	24.80	25.26
	12H	21.74	22.43	22.22	22.91	23.38	23.67	24.36	24.15	24.84	25.31
8H	4H	21.65	22.43	22.12	22.87	23.34	23.10	23.87	23.56	24.32	24.78
	6H	22.04	22.68	22.53	23.17	23.65	23.64	24.28	24.13	24.77	25.25
	8H	22.17	22.75	22.69	23.26	23.75	23.83	24.40	24.34	24.91	25.40
	12H	22.29	22.79	22.79	23.29	23.85	23.98	24.48	24.48	24.98	25.54
12H	4H	21.69	22.38	22.17	22.86	23.33	23.08	23.78	23.57	24.25	24.73
	6H	22.09	22.66	22.60	23.17	23.66	23.63	24.20	24.14	24.71	25.20
	8H	22.27	22.77	22.78	23.27	23.83	23.86	24.36	24.37	24.86	25.42