

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: P243610

Luminaire Tested: S124RDRP-H1195D840-X4F0-XX-UDD-A-W

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2024
Report Number: P243610
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1802-639-70)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S124RDRP-H1195D840-X4F0-XX-UDD-A-W
Description: DEFINE 4 REGRESSED DIRECT RECESSED WITH ASYMMETRIC FLUSH DIFFUSER.
HIGH PERFORMANCE LIGHT ENGINE
Light Source: (184) 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

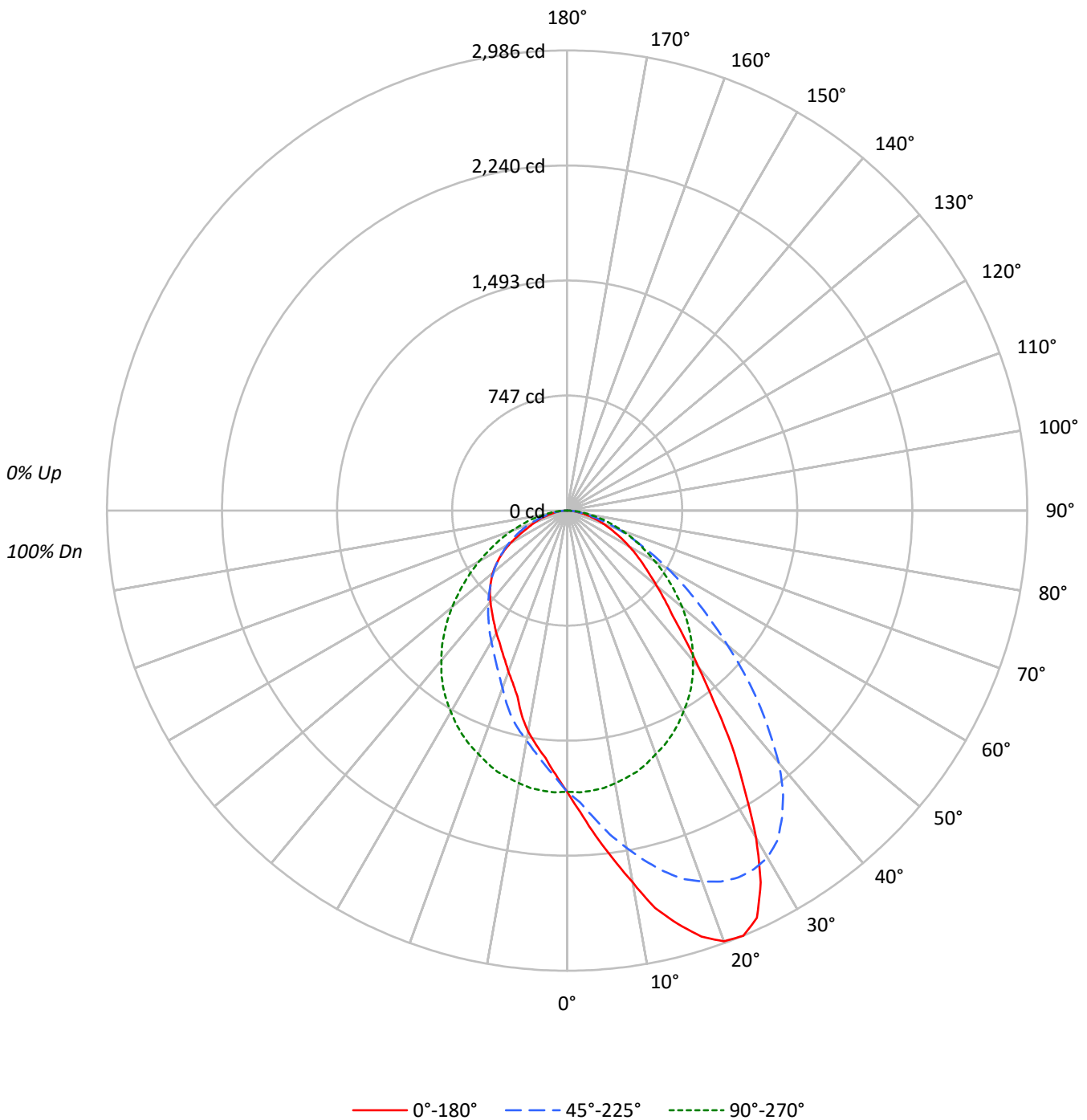
Lumens per Lamp: N/A
Luminaire Lumens: 4707.4 lumens
Efficiency: N/A
Efficacy: 124.9 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.23 / 1.39
Luminous Opening: Rectangular (W 3.88' x L: 0.31' x H: 0')
CIE Type: Direct

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	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	105	102	98	107	103	100	97	99	96	93	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	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	46	71	59	51	45	58	50	45	56	50	45	54	49	44					42				
7	68	55	46	41	66	54	46	40	53	45	40	51	45	40	50	44	40					38				
8	63	50	42	36	62	50	42	36	48	41	36	47	41	36	46	40	36					34				
9	59	46	38	33	58	46	38	33	45	38	33	43	37	33	42	37	32					31				
10	56	43	35	30	54	42	35	30	41	35	30	40	34	30	39	34	30					28				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	16212	16212	16212	16212	16212
5°	18885	17865	16281	14779	14373
10°	22117	20059	16213	13674	13142
15°	25556	22301	16131	12778	11477
20°	28137	24220	15903	11603	10521
25°	28589	25767	15757	10706	9836
30°	25165	26681	15477	10075	9434
35°	20192	26382	15214	9626	9125
40°	15362	24782	14727	9239	8984
45°	12196	22018	14187	8919	8875
50°	10470	18770	13486	8633	8722
55°	9246	15937	12613	8333	8299
60°	8283	13472	11705	7956	7602
65°	7290	11084	10815	7410	6394
70°	6497	9138	9821	6794	5759
75°	5660	7171	8929	5976	5124
80°	4802	5487	7673	5052	4725
85°	4202	4488	6588	4926	4783

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 55°
 Vertical Angle: 45°
 Luminance: 23696 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	177.0	3.8
10°-20°	536.7	11.4
20°-30°	837.6	17.8
30°-40°	934.0	19.8
40°-50°	839.6	17.8
50°-60°	663.4	14.1
60°-70°	440.6	9.4
70°-80°	220.9	4.7
80°-90°	57.5	1.2
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°	1551.3	33.0
0°-40°	2485.3	52.8
0°-60°	3988.3	84.7
0°-90°	4707.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4707.4	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1824	1824	1824	1824	1824	
5°	2116	2002	1825	1656	1611	212
15°	2777	2423	1753	1388	1247	789
25°	2915	2627	1607	1092	1003	1304
35°	1861	2431	1402	887	841	1156
45°	970	1752	1129	710	706	769
55°	597	1028	814	538	536	538
65°	347	527	514	352	304	347
75°	165	209	260	174	149	176
85°	41	44	65	48	47	46
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°	1823.9	1823.9	1823.9	1823.9	1823.9	1823.9	1823.9	1823.9	1823.9	1823.9	1823.9
2.5°	1958.9	1951.8	1951.0	1941.8	1941.1	1931.9	1929.0	1921.2	1905.6	1893.5	1894.2
5°	2116.5	2110.9	2110.1	2100.9	2098.1	2086.7	2068.9	2047.6	2022.8	2002.2	1988.7
7.5°	2278.5	2288.4	2277.8	2277.8	2257.2	2243.7	2208.9	2191.1	2148.5	2118.7	2087.4
10°	2450.4	2459.6	2455.3	2446.8	2419.8	2392.1	2355.9	2321.1	2269.2	2222.4	2191.1
12.5°	2642.1	2614.4	2632.2	2605.9	2583.9	2539.8	2505.0	2435.4	2394.2	2326.1	2265.0
15°	2777.1	2766.4	2765.7	2747.9	2723.8	2675.5	2637.9	2565.4	2495.1	2423.4	2354.5
17.5°	2897.8	2899.2	2889.3	2860.9	2829.6	2782.7	2731.6	2667.0	2586.7	2507.2	2425.5
20°	2974.5	2975.2	2968.1	2953.2	2919.1	2876.5	2823.9	2739.4	2648.5	2560.4	2478.8
22.5°	2985.9	2988.0	2985.9	2976.6	2953.2	2918.4	2870.1	2798.4	2706.7	2605.9	2508.6
25°	2914.9	2922.0	2922.7	2935.4	2923.4	2909.9	2874.4	2814.0	2729.5	2627.2	2521.4
27.5°	2720.2	2740.1	2758.6	2781.3	2801.9	2820.4	2823.2	2791.3	2718.8	2623.7	2522.8
30°	2451.8	2475.2	2512.1	2536.3	2600.2	2640.7	2695.4	2707.5	2672.7	2599.5	2502.2
32.5°	2139.3	2164.1	2178.3	2257.9	2349.5	2415.5	2506.5	2560.4	2573.9	2539.1	2459.6
35°	1860.8	1865.1	1875.8	1966.0	2056.9	2157.0	2269.9	2363.7	2427.6	2431.2	2392.1
37.5°	1562.5	1567.5	1609.4	1678.3	1757.1	1867.2	1997.2	2130.7	2247.9	2301.9	2290.5
40°	1323.9	1322.5	1367.2	1426.9	1503.6	1617.9	1752.2	1897.8	2022.8	2135.7	2162.7
42.5°	1130.7	1135.7	1174.0	1208.8	1282.7	1363.0	1506.4	1657.7	1818.2	1941.8	2024.2
45°	970.2	983.0	1009.3	1041.9	1097.3	1171.2	1288.4	1439.0	1603.0	1751.5	1850.2
47.5°	859.4	862.9	876.4	916.9	953.9	1013.5	1113.7	1241.5	1387.1	1553.3	1683.3
50°	757.1	765.6	770.6	794.8	831.0	887.8	965.2	1060.4	1204.6	1357.3	1519.9
52.5°	669.1	674.0	683.3	705.3	733.7	773.5	834.5	918.3	1038.4	1179.7	1333.1
55°	596.6	597.3	606.6	622.2	644.2	674.7	733.0	793.3	899.9	1028.4	1167.6
57.5°	531.3	527.0	535.5	544.8	566.1	592.3	630.0	691.8	774.9	884.3	1010.0
60°	465.9	469.5	468.8	479.4	490.8	517.1	549.0	589.5	657.7	757.8	864.4
62.5°	404.8	404.1	411.2	417.6	425.4	446.7	473.0	506.4	559.7	633.5	736.5
65°	346.6	348.0	353.7	358.7	367.2	380.7	400.6	427.6	470.2	527.0	613.7
67.5°	294.0	299.0	301.9	303.3	311.1	321.0	338.1	360.1	389.2	434.7	507.1
70°	250.0	251.4	252.8	257.8	261.4	267.1	279.8	291.9	318.2	351.6	404.1
72.5°	208.8	207.4	211.7	213.1	214.5	220.2	228.0	234.4	251.4	279.8	312.5
75°	164.8	165.5	166.2	168.3	174.0	174.7	178.3	185.4	197.4	208.8	230.8
77.5°	123.6	125.7	125.0	127.1	129.3	131.4	132.8	139.2	147.7	157.0	167.6
80°	93.8	93.8	93.8	95.2	93.8	98.7	98.7	100.9	103.0	107.2	115.1
82.5°	63.9	65.3	66.1	66.8	67.5	67.5	68.2	69.6	72.4	73.9	76.0
85°	41.2	39.8	40.5	40.5	40.5	40.5	41.9	43.3	43.3	44.0	46.2
87.5°	18.5	18.5	18.5	18.5	17.8	18.5	19.2	19.2	19.9	19.9	21.3
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°	1823.9	1823.9	1823.9	1823.9	1823.9	1823.9	1823.9	1823.9	1823.9	1823.9	1823.9
2.5°	1890.0	1887.8	1877.2	1865.8	1855.2	1844.5	1841.0	1830.3	1817.5	1806.2	1793.4
5°	1974.5	1957.4	1934.0	1909.9	1885.0	1862.3	1844.5	1824.6	1801.9	1774.9	1753.6
7.5°	2059.7	2028.5	1990.1	1954.6	1912.0	1877.9	1843.8	1815.4	1782.7	1744.4	1715.2
10°	2142.8	2091.0	2044.1	1988.0	1934.0	1887.1	1843.8	1796.2	1752.9	1711.7	1671.2
12.5°	2208.9	2157.0	2089.5	2020.7	1951.0	1890.0	1831.7	1775.6	1721.6	1671.9	1627.2
15°	2284.2	2209.6	2126.5	2050.5	1955.3	1880.0	1813.3	1752.9	1691.1	1630.7	1581.7
17.5°	2339.6	2251.5	2148.5	2061.1	1969.5	1875.8	1795.5	1719.5	1648.5	1585.3	1534.8
20°	2382.2	2277.8	2174.8	2064.0	1954.6	1858.7	1768.5	1681.2	1609.4	1540.5	1487.3
22.5°	2400.6	2290.5	2176.2	2056.2	1939.7	1831.0	1737.3	1647.1	1566.1	1495.1	1433.3
25°	2408.4	2287.7	2169.1	2032.7	1914.8	1804.0	1699.6	1606.6	1523.5	1443.2	1382.1
27.5°	2402.1	2272.8	2136.4	2007.9	1874.3	1765.7	1654.9	1560.4	1473.8	1396.3	1328.2
30°	2385.0	2238.7	2103.0	1958.9	1830.3	1716.0	1608.0	1507.9	1420.5	1341.7	1274.2
32.5°	2341.0	2200.3	2046.2	1905.6	1767.1	1654.2	1556.1	1457.4	1368.6	1286.3	1220.9
35°	2286.3	2148.5	1987.3	1840.2	1703.2	1588.8	1490.1	1402.0	1314.7	1227.3	1160.5
37.5°	2217.4	2077.5	1921.9	1763.5	1629.3	1518.5	1428.3	1339.5	1252.9	1172.6	1098.0
40°	2124.3	1996.5	1840.2	1681.2	1546.2	1439.7	1350.9	1269.2	1192.5	1113.7	1033.4
42.5°	2008.6	1911.3	1750.0	1593.1	1461.0	1355.2	1276.3	1203.2	1129.3	1048.3	975.9
45°	1885.0	1801.9	1655.6	1497.2	1371.5	1268.5	1193.2	1128.6	1059.0	987.2	911.2
47.5°	1745.8	1684.0	1557.6	1400.6	1268.5	1180.4	1110.8	1051.9	988.7	924.7	850.9
50°	1588.8	1551.2	1443.2	1300.5	1174.7	1085.3	1027.7	975.2	921.2	857.3	794.1
52.5°	1431.9	1424.8	1323.9	1198.2	1079.6	996.5	940.4	892.1	848.0	787.7	734.4
55°	1267.1	1288.4	1204.6	1088.8	983.0	902.7	853.0	813.9	775.6	724.5	673.3
57.5°	1120.8	1144.9	1087.4	980.9	882.1	813.9	771.3	735.8	702.4	655.6	621.5
60°	958.8	1002.9	972.3	875.0	787.7	726.6	686.8	658.4	630.7	590.2	560.4
62.5°	831.0	861.5	843.8	771.3	693.9	644.2	608.7	582.4	560.4	529.1	500.0
65°	693.9	732.3	723.0	675.4	607.3	561.8	534.8	514.2	491.5	466.6	442.5
67.5°	570.3	610.1	608.0	575.3	524.9	487.2	461.7	446.7	428.3	404.1	389.2
70°	458.8	495.8	497.2	480.8	445.3	409.8	391.3	377.9	363.6	345.9	335.2
72.5°	356.5	389.9	395.6	387.8	365.1	341.6	325.3	316.1	304.0	289.1	279.8
75°	266.3	290.5	304.0	300.4	291.2	275.6	266.3	260.0	247.9	237.2	229.4
77.5°	189.6	208.8	222.3	228.0	223.7	217.3	208.8	203.8	191.1	186.1	181.8
80°	127.1	144.2	156.3	159.8	161.9	160.5	152.7	149.9	143.5	141.3	137.1
82.5°	78.1	87.4	95.9	105.1	109.4	109.4	105.1	105.8	100.1	97.3	95.9
85°	47.6	49.7	51.1	58.2	63.9	66.1	63.9	64.6	62.5	60.4	58.2
87.5°	22.0	22.0	22.7	24.1	25.6	29.8	31.3	33.4	30.5	30.5	25.6
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°	1823.9	1823.9	1823.9	1823.9	1823.9	1823.9	1823.9	1823.9	1823.9	1823.9	1823.9
2.5°	1785.6	1776.3	1769.2	1757.9	1748.6	1733.7	1728.7	1728.7	1731.6	1728.0	1731.6
5°	1738.7	1721.6	1703.2	1686.8	1669.1	1656.3	1643.5	1640.7	1639.2	1630.7	1631.4
7.5°	1691.8	1669.1	1645.6	1624.3	1602.3	1582.4	1568.9	1563.3	1558.3	1552.6	1546.2
10°	1641.4	1615.1	1587.4	1563.3	1541.9	1515.0	1501.5	1497.2	1483.0	1480.2	1470.2
12.5°	1588.1	1561.1	1533.4	1502.2	1481.6	1455.3	1435.4	1426.2	1412.7	1402.7	1387.8
15°	1546.2	1512.1	1475.2	1444.6	1417.7	1388.5	1361.5	1343.8	1326.0	1298.3	1284.8
17.5°	1494.4	1455.3	1423.3	1390.7	1351.6	1309.0	1277.0	1250.7	1231.6	1208.8	1195.3
20°	1438.2	1402.0	1362.3	1316.1	1274.9	1226.6	1197.5	1175.5	1160.5	1147.0	1139.9
22.5°	1388.5	1346.6	1291.9	1247.9	1190.4	1152.0	1128.6	1114.4	1100.2	1086.0	1078.9
25°	1334.6	1285.5	1218.8	1164.8	1121.5	1091.6	1068.9	1055.4	1040.5	1032.0	1021.3
27.5°	1281.3	1218.1	1151.3	1102.3	1068.2	1033.4	1014.2	1003.6	992.2	980.1	971.6
30°	1216.7	1144.9	1089.5	1044.8	1010.7	981.6	967.4	951.7	941.8	934.7	929.7
32.5°	1149.2	1080.3	1029.9	991.5	958.1	936.1	918.3	908.4	899.9	892.1	886.4
35°	1086.0	1019.2	976.6	939.7	912.0	887.1	873.6	864.4	857.3	850.9	848.0
37.5°	1023.5	966.6	920.5	891.4	862.2	842.4	829.6	821.0	816.8	810.4	811.1
40°	961.7	910.5	873.6	840.2	813.2	796.2	786.2	782.7	776.3	774.2	776.3
42.5°	906.3	859.4	823.9	792.6	769.2	752.9	745.0	740.1	737.9	737.2	737.9
45°	852.3	808.3	774.2	748.6	724.5	709.5	703.1	699.6	697.5	701.0	701.7
47.5°	798.3	758.5	728.0	698.2	678.3	667.6	661.2	658.4	660.5	661.9	666.9
50°	745.0	708.1	676.2	649.9	634.3	624.3	622.2	617.2	620.8	622.9	626.4
52.5°	691.1	657.7	629.3	604.4	588.1	581.7	576.7	574.6	579.6	579.6	583.1
55°	636.4	607.3	581.0	558.3	545.5	537.7	534.1	531.3	534.1	534.8	534.1
57.5°	585.2	557.5	529.8	510.7	500.0	491.5	487.9	486.5	485.8	488.6	487.9
60°	531.3	505.0	483.0	463.1	452.4	447.5	439.6	441.1	441.1	441.1	434.0
62.5°	477.3	451.0	431.8	418.3	405.6	397.0	395.6	393.5	389.2	388.5	379.3
65°	421.9	402.0	385.7	372.2	359.4	352.3	350.2	343.8	338.8	329.6	323.2
67.5°	370.7	356.5	337.4	326.0	315.3	306.8	299.0	294.0	284.1	274.9	269.2
70°	319.6	304.7	291.9	279.8	269.2	261.4	252.1	242.9	236.5	230.8	226.6
72.5°	268.5	255.7	245.0	233.7	222.3	214.5	207.4	200.3	197.4	194.6	192.5
75°	220.9	208.8	198.9	189.6	183.2	174.0	170.5	167.6	164.8	161.2	157.0
77.5°	174.7	165.5	157.7	149.9	144.2	139.2	136.4	127.8	120.7	119.3	117.9
80°	130.0	122.9	117.9	112.2	105.8	98.7	96.6	93.8	92.3	92.3	93.0
82.5°	90.9	86.7	81.0	76.0	73.9	71.0	71.0	70.3	69.6	70.3	70.3
85°	55.4	49.7	48.3	47.6	48.3	48.3	48.3	48.3	47.6	48.3	46.9
87.5°	24.1	26.3	27.0	24.9	25.6	24.1	24.9	24.9	24.9	25.6	24.9
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: P243610

CATALOG NUMBER: S124RDRP-H1195D840-X4F0-XX-UDD-A-W

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	1823.9	1823.9	1823.9	1823.9
2.5°	1727.3	1727.3	1720.2	1714.5
5°	1630.0	1620.8	1619.4	1610.8
7.5°	1539.1	1537.7	1534.1	1534.1
10°	1466.7	1461.7	1456.7	1456.0
12.5°	1364.4	1371.5	1363.0	1360.8
15°	1274.9	1269.2	1262.1	1247.2
17.5°	1191.8	1181.1	1178.3	1171.9
20°	1126.5	1118.6	1115.8	1112.2
22.5°	1064.7	1063.2	1054.7	1052.6
25°	1019.2	1012.1	1006.4	1002.9
27.5°	969.5	964.5	961.7	956.0
30°	924.0	922.6	919.1	919.1
32.5°	882.8	878.6	878.6	877.9
35°	845.2	846.6	842.4	840.9
37.5°	809.7	807.6	808.3	806.8
40°	774.9	773.5	773.5	774.2
42.5°	739.4	740.1	741.5	741.5
45°	703.9	704.6	706.0	706.0
47.5°	670.5	669.1	670.5	669.1
50°	627.9	632.1	631.4	630.7
52.5°	584.5	583.1	586.0	585.2
55°	537.7	535.5	538.4	535.5
57.5°	485.1	485.8	485.8	484.4
60°	432.5	430.4	427.6	427.6
62.5°	371.5	365.1	360.8	363.6
65°	312.5	307.5	306.1	304.0
67.5°	265.6	260.0	257.8	257.1
70°	225.1	222.3	221.6	221.6
72.5°	191.1	191.1	188.9	187.5
75°	155.5	152.7	149.2	149.2
77.5°	116.5	115.8	115.1	115.1
80°	90.9	90.9	91.6	92.3
82.5°	68.2	68.9	69.6	69.6
85°	46.2	46.2	46.9	46.9
87.5°	24.9	24.9	24.9	24.1
90°	0.0	0.0	0.0	0.0



TEST NUMBER: P243610
 CATALOG NUMBER: S124RDRP-H1195D840-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	19.02	20.55	19.38	20.87	21.18	20.72	22.25	21.08	22.56	22.88
	3H	20.25	21.63	20.63	21.96	22.32	22.20	23.58	22.58	23.90	24.26
	4H	20.69	21.98	21.08	22.33	22.70	22.74	24.03	23.14	24.38	24.76
	6H	20.96	22.16	21.38	22.52	22.92	23.13	24.32	23.54	24.69	25.08
	8H	21.05	22.19	21.47	22.58	22.98	23.25	24.38	23.67	24.77	25.17
	12H	21.10	22.19	21.53	22.57	23.00	23.32	24.41	23.75	24.79	25.22
4H	2H	20.23	21.52	20.63	21.87	22.25	21.24	22.54	21.64	22.88	23.26
	3H	21.50	22.57	21.91	22.97	23.37	23.02	24.09	23.43	24.49	24.89
	4H	21.97	22.93	22.40	23.35	23.79	23.68	24.64	24.11	25.06	25.50
	6H	22.30	23.14	22.76	23.58	24.04	24.17	25.01	24.63	25.46	25.92
	8H	22.40	23.19	22.87	23.63	24.10	24.33	25.12	24.79	25.56	26.03
	12H	22.48	23.18	22.96	23.66	24.13	24.44	25.15	24.93	25.62	26.09
8H	4H	22.38	23.16	22.84	23.61	24.07	23.81	24.59	24.27	25.03	25.50
	6H	22.78	23.43	23.27	23.92	24.39	24.40	25.05	24.90	25.54	26.02
	8H	22.92	23.50	23.44	24.01	24.50	24.62	25.20	25.13	25.71	26.20
	12H	23.04	23.56	23.55	24.05	24.62	24.80	25.32	25.31	25.81	26.37
12H	4H	22.42	23.12	22.90	23.60	24.07	23.80	24.50	24.28	24.98	25.45
	6H	22.83	23.42	23.35	23.92	24.41	24.40	24.98	24.91	25.49	25.98
	8H	23.02	23.54	23.53	24.03	24.60	24.66	25.17	25.17	25.66	26.23