

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: P242593

Luminaire Tested: S123RDRP-S1165D940-X4F0-XX-UDD-A-W

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2024
Report Number: P242593
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1802-639-30)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S123RDRP-S1165D940-X4F0-XX-UDD-A-W
Description: DEFINE 3 REGRESSED DIRECT RECESSED WITH ASYMMETRIC FLUSH DIFFUSER
STANDARD LIGHT ENGINE
Light Source: (92) 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

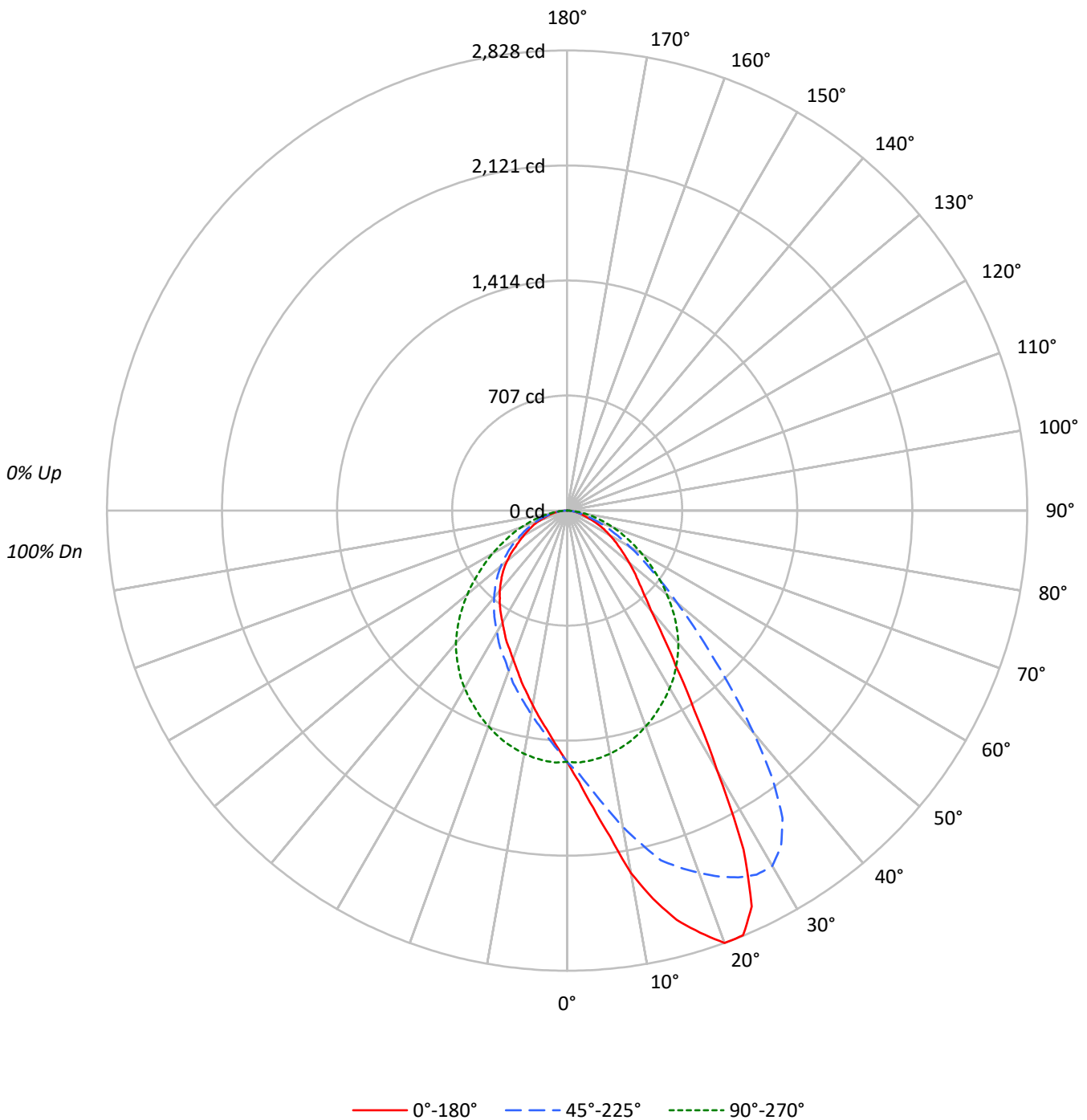
Lumens per Lamp: N/A
Luminaire Lumens: 3843.7 lumens
Efficiency: N/A
Efficacy: 93.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.22 / 1.35
Luminous Opening: Rectangular (W 3.88' x L: 0.23' x H: 0')
CIE Type: Direct

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	99	108	104	100	97	100	97	94	96	93	91	92	90	89	87					87			
2	101	94	88	83	99	92	87	82	89	84	80	86	82	78	83	79	77	74					74			
3	93	84	76	71	91	82	75	70	79	74	69	77	72	68	74	70	66	64					64			
4	86	75	67	61	84	74	66	61	71	65	60	69	64	59	67	62	58	56					56			
5	80	68	60	53	78	67	59	53	65	58	53	63	57	52	61	56	52	50					50			
6	74	62	53	47	72	61	53	47	59	52	47	57	51	46	56	50	46	44					44			
7	69	56	48	42	67	55	48	42	54	47	42	53	46	42	51	46	41	39					39			
8	64	52	44	38	63	51	43	38	50	43	38	48	42	38	47	42	37	36					36			
9	60	48	40	35	59	47	40	35	46	39	34	45	39	34	44	38	34	32					32			
10	57	44	37	32	55	44	36	32	43	36	31	42	36	31	41	35	31	29					29			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	18710	18710	18710	18710	18710
5°	22304	20921	18790	16965	16547
10°	27849	24303	18683	15633	14950
15°	32688	27912	18492	14537	13633
20°	36481	30566	18207	13511	12513
25°	35899	33266	17906	12797	11826
30°	25804	35293	17628	12061	11117
35°	17228	34145	17268	11558	10658
40°	12693	28148	16834	11052	10184
45°	10649	21477	16074	10580	9720
50°	9395	16560	15078	10006	9072
55°	8240	13210	13937	9413	8183
60°	7336	10781	12848	8650	7498
65°	6445	8831	11676	7979	6975
70°	5057	7095	10632	7329	6369
75°	4458	5231	9282	6622	5817
80°	3874	4474	7888	5815	5717
85°	3129	3393	6342	5883	6064

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 60°
 Vertical Angle: 45°
 Luminance: 30221 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.6	3.9
10°-20°	474.5	12.3
20°-30°	747.4	19.4
30°-40°	777.2	20.2
40°-50°	664.9	17.3
50°-60°	506.8	13.2
60°-70°	324.7	8.4
70°-80°	155.6	4.0
80°-90°	40.9	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°	1373.5	35.7
0°-40°	2150.8	56.0
0°-60°	3322.5	86.4
0°-90°	3843.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3843.7	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1544	1544	1544	1544	1544	
5°	1833	1719	1544	1394	1360	188
15°	2605	2224	1474	1158	1086	739
25°	2684	2487	1339	957	884	1166
35°	1164	2308	1167	781	720	757
45°	621	1253	938	617	567	487
55°	390	625	660	445	387	352
65°	225	308	407	278	243	221
75°	95	112	198	141	124	102
85°	22	24	46	42	44	26
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°	1543.6	1543.6	1543.6	1543.6	1543.6	1543.6	1543.6	1543.6	1543.6	1543.6	1543.6
2.5°	1669.2	1671.8	1663.2	1661.9	1652.0	1649.4	1649.4	1635.5	1626.9	1615.7	1609.1
5°	1833.1	1843.6	1838.4	1826.5	1806.6	1802.0	1789.5	1769.6	1747.2	1719.4	1706.2
7.5°	2020.7	2042.5	2038.6	2020.1	1998.9	1985.7	1950.7	1922.3	1879.3	1840.3	1809.9
10°	2262.6	2247.4	2235.5	2217.7	2198.5	2167.4	2130.4	2079.6	2020.7	1974.5	1922.9
12.5°	2443.7	2444.3	2428.5	2410.0	2380.9	2351.8	2304.2	2239.5	2168.8	2096.7	2035.9
15°	2604.9	2608.9	2598.9	2579.8	2541.5	2489.3	2420.5	2394.8	2297.0	2224.3	2151.6
17.5°	2719.9	2720.5	2718.6	2692.8	2651.2	2615.5	2551.4	2491.2	2398.7	2300.3	2203.1
20°	2828.2	2821.6	2823.0	2793.2	2764.1	2721.2	2659.1	2560.6	2487.9	2369.6	2268.5
22.5°	2825.6	2825.6	2831.6	2826.3	2807.1	2776.7	2731.1	2651.8	2554.0	2434.4	2317.4
25°	2684.2	2678.9	2710.0	2718.6	2752.3	2758.2	2743.7	2698.1	2610.2	2487.3	2346.5
27.5°	2347.2	2328.0	2392.8	2456.9	2542.1	2596.3	2651.8	2664.4	2622.7	2522.3	2374.9
30°	1843.6	1905.8	1934.8	2039.2	2155.5	2294.3	2415.9	2531.5	2560.0	2521.6	2406.0
32.5°	1452.5	1504.7	1527.8	1613.7	1720.1	1888.6	2086.2	2261.9	2399.4	2445.6	2387.5
35°	1164.3	1165.0	1220.5	1260.2	1360.6	1527.8	1704.9	1924.3	2142.3	2307.5	2324.7
37.5°	960.8	963.5	999.1	1038.8	1119.4	1213.2	1377.8	1562.8	1825.1	2071.6	2199.8
40°	802.2	808.2	833.3	872.3	926.4	993.2	1114.8	1286.6	1496.7	1778.9	2009.5
42.5°	700.5	711.0	720.9	748.7	777.1	838.6	931.1	1054.0	1240.3	1503.3	1778.2
45°	621.2	626.4	636.4	650.2	680.6	724.2	790.3	879.5	1038.1	1252.9	1519.2
47.5°	560.4	557.1	568.3	580.2	600.7	632.4	678.6	756.0	874.9	1054.6	1285.3
50°	498.2	497.6	504.9	513.4	532.6	554.4	590.8	645.6	735.5	878.2	1085.0
52.5°	440.1	443.4	448.0	459.3	471.8	488.3	520.1	555.7	629.7	748.0	911.9
55°	389.9	391.9	399.1	405.1	415.0	432.8	453.3	486.4	539.2	625.1	767.2
57.5°	346.3	345.6	352.9	353.5	366.1	381.3	397.8	423.6	463.9	531.9	631.1
60°	302.6	300.7	306.6	311.2	317.2	329.1	342.3	367.4	397.8	444.7	526.7
62.5°	263.0	262.3	266.3	270.9	275.6	286.1	296.7	314.5	337.0	374.7	435.5
65°	224.7	226.7	228.6	230.6	233.3	239.9	250.4	263.7	280.2	307.9	354.9
67.5°	185.0	187.7	188.3	193.0	198.2	201.5	207.5	220.0	232.6	257.7	285.5
70°	142.7	142.1	142.7	144.7	152.0	159.3	167.8	176.4	183.7	200.2	222.7
72.5°	117.6	116.3	118.3	118.3	120.9	121.6	126.2	134.1	144.1	154.0	168.5
75°	95.2	95.2	95.2	95.2	97.8	99.1	101.1	103.1	106.4	111.7	123.6
77.5°	74.0	74.0	75.3	76.0	76.7	77.3	78.6	80.6	81.9	84.6	90.5
80°	55.5	56.2	55.5	56.2	56.2	57.5	58.2	60.1	60.8	64.1	66.1
82.5°	38.3	37.7	38.3	39.0	39.0	40.3	40.3	41.6	41.6	43.0	44.9
85°	22.5	21.1	22.5	21.8	23.1	21.8	22.5	23.8	23.8	24.4	27.1
87.5°	6.6	7.9	6.6	7.3	7.3	7.9	7.9	7.9	9.3	8.6	9.3
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°	1543.6	1543.6	1543.6	1543.6	1543.6	1543.6	1543.6	1543.6	1543.6	1543.6	1543.6
2.5°	1606.4	1604.4	1595.2	1584.6	1570.7	1561.5	1554.2	1550.2	1538.4	1523.8	1513.9
5°	1692.3	1672.5	1651.4	1625.6	1601.8	1577.3	1562.1	1544.3	1522.5	1498.0	1480.9
7.5°	1777.6	1743.2	1705.5	1666.6	1626.9	1591.9	1559.5	1533.1	1500.0	1466.3	1443.2
10°	1878.7	1821.8	1763.0	1702.9	1648.0	1596.5	1556.9	1517.9	1476.2	1435.9	1405.5
12.5°	1970.5	1891.2	1821.2	1743.9	1669.9	1605.8	1544.3	1496.7	1444.5	1400.9	1365.2
15°	2045.2	1968.5	1886.6	1774.3	1681.1	1603.1	1533.7	1473.6	1412.8	1359.9	1326.2
17.5°	2123.2	2006.9	1899.2	1811.9	1690.3	1595.8	1514.6	1444.5	1378.4	1324.3	1282.0
20°	2168.1	2056.4	1936.8	1817.2	1698.3	1589.2	1490.8	1411.5	1342.1	1278.7	1240.3
22.5°	2195.2	2065.0	1937.5	1806.6	1678.4	1564.1	1467.0	1377.8	1301.1	1241.7	1192.1
25°	2215.0	2064.4	1925.6	1798.7	1669.9	1546.9	1431.3	1338.8	1257.5	1193.4	1143.2
27.5°	2230.9	2056.4	1897.2	1759.1	1628.9	1504.0	1399.6	1300.5	1219.2	1152.4	1097.6
30°	2234.8	2046.5	1863.5	1710.8	1578.0	1465.7	1353.3	1259.5	1172.3	1100.2	1050.0
32.5°	2240.1	2022.1	1817.9	1653.3	1516.5	1405.5	1306.4	1217.9	1128.0	1057.3	1005.7
35°	2221.6	2016.1	1771.6	1585.3	1449.1	1341.4	1249.6	1167.0	1079.1	1010.4	958.2
37.5°	2165.5	1983.7	1725.4	1509.3	1368.5	1269.4	1192.8	1117.4	1036.1	960.8	912.6
40°	2071.0	1930.9	1669.9	1441.2	1292.5	1190.1	1122.7	1063.9	985.9	916.5	863.7
42.5°	1930.2	1858.8	1617.0	1369.8	1206.6	1108.8	1054.6	1000.5	934.4	863.7	814.8
45°	1751.8	1763.0	1541.0	1293.2	1128.7	1029.5	976.0	937.7	876.9	818.7	767.9
47.5°	1535.1	1628.9	1459.7	1212.6	1044.1	950.9	904.0	869.0	826.7	766.5	719.6
50°	1323.6	1473.6	1358.0	1131.3	965.4	872.9	826.7	799.6	763.9	719.0	674.7
52.5°	1128.7	1292.5	1235.0	1040.8	880.2	797.6	752.7	731.5	705.1	663.4	624.5
55°	952.2	1115.4	1099.6	949.6	794.9	719.0	684.6	659.5	640.3	608.6	576.9
57.5°	798.9	956.8	960.2	848.5	720.9	643.6	613.9	594.1	580.8	555.7	524.7
60°	655.5	797.6	825.3	746.0	640.3	574.2	545.2	530.0	520.1	500.9	478.4
62.5°	536.6	652.2	684.6	633.1	563.0	502.2	481.1	466.5	460.6	444.7	425.6
65°	428.9	529.3	559.7	528.0	487.7	438.1	419.6	407.1	401.1	391.9	377.3
67.5°	338.3	416.3	449.3	422.9	407.7	372.7	360.1	352.9	347.6	341.0	328.4
70°	259.0	313.2	347.6	341.6	329.7	313.2	304.6	300.0	294.7	289.4	278.9
72.5°	195.6	228.6	260.4	265.6	256.4	256.4	249.1	247.8	245.2	238.6	233.9
75°	138.1	163.9	186.3	194.9	198.9	202.2	198.9	198.2	197.6	192.3	189.0
77.5°	95.8	112.3	127.5	142.7	148.0	152.6	153.3	156.0	154.0	150.7	149.3
80°	69.4	72.7	82.6	95.2	105.1	109.0	111.7	113.0	112.3	111.7	109.0
82.5°	45.6	48.2	51.5	59.5	67.4	74.7	76.0	75.3	77.3	78.0	76.0
85°	27.1	27.8	29.1	30.4	35.0	42.3	44.3	45.6	46.9	46.9	43.0
87.5°	10.6	9.9	11.2	11.2	13.2	13.9	17.8	21.1	21.8	19.2	19.2
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°	1543.6	1543.6	1543.6	1543.6	1543.6	1543.6	1543.6	1543.6	1543.6	1543.6	1543.6
2.5°	1510.6	1502.0	1496.1	1482.8	1474.3	1465.0	1455.8	1461.7	1461.0	1460.4	1460.4
5°	1466.3	1451.1	1437.3	1419.4	1408.2	1394.3	1383.7	1382.4	1385.0	1375.8	1370.5
7.5°	1424.7	1404.9	1385.0	1366.5	1346.1	1330.2	1320.3	1316.3	1309.1	1303.1	1297.8
10°	1380.4	1356.0	1336.8	1312.4	1289.9	1270.1	1257.5	1248.9	1244.3	1239.7	1231.1
12.5°	1334.8	1311.0	1285.3	1256.9	1235.7	1211.9	1203.3	1193.4	1183.5	1178.2	1165.7
15°	1290.6	1259.5	1233.7	1204.6	1180.9	1158.4	1145.2	1126.0	1123.4	1116.8	1104.9
17.5°	1247.6	1213.2	1175.6	1155.7	1132.0	1108.2	1087.0	1081.1	1061.3	1054.6	1043.4
20°	1194.7	1163.7	1136.6	1108.2	1069.2	1047.4	1031.5	1022.9	1007.7	998.5	991.9
22.5°	1149.1	1117.4	1085.0	1050.7	1020.3	995.2	984.6	970.1	963.5	949.6	942.3
25°	1106.2	1071.8	1034.2	998.5	975.3	956.8	938.3	926.4	914.6	908.6	895.4
27.5°	1054.0	1019.6	983.3	955.5	929.1	910.6	892.7	882.8	867.6	857.7	850.5
30°	1012.4	970.1	939.7	915.2	878.9	861.7	849.1	835.9	825.3	814.8	807.5
32.5°	964.1	926.4	898.0	866.3	840.5	821.4	804.2	793.0	784.4	774.5	767.2
35°	913.2	880.9	851.1	820.7	800.2	781.1	761.9	752.0	743.4	734.2	727.5
37.5°	867.0	836.6	808.8	779.8	754.6	738.1	722.3	715.7	703.8	697.1	690.5
40°	824.7	794.9	764.6	736.8	710.4	698.5	684.6	673.4	662.8	658.2	650.9
42.5°	778.4	748.7	724.2	693.8	673.4	656.2	643.6	631.1	623.8	616.5	613.2
45°	732.8	706.4	681.3	651.6	631.1	617.2	602.7	591.4	584.2	579.5	572.3
47.5°	689.2	662.1	637.0	610.6	590.8	574.9	559.7	552.4	542.5	537.2	531.9
50°	641.0	617.2	590.1	566.3	546.5	530.6	518.7	508.8	500.2	493.0	489.7
52.5°	596.7	570.9	548.5	526.7	505.5	487.0	476.4	465.9	459.9	451.3	447.4
55°	547.1	522.7	502.9	481.1	460.6	445.4	432.2	422.9	416.3	407.1	401.8
57.5°	501.6	480.4	456.0	436.8	415.0	403.1	391.9	378.6	370.7	363.4	358.2
60°	455.3	430.2	409.7	391.9	373.4	356.8	346.9	337.0	328.4	321.2	316.5
62.5°	407.1	385.9	366.7	346.9	330.4	316.5	304.6	296.7	289.4	285.5	280.8
65°	357.5	340.3	320.5	304.6	288.8	278.2	268.9	261.7	256.4	253.1	249.1
67.5°	311.9	295.4	277.5	261.0	250.4	241.9	235.2	228.6	226.0	222.0	219.4
70°	267.6	250.4	235.2	223.4	212.8	206.8	202.9	198.2	195.6	190.3	187.7
72.5°	219.4	208.2	198.2	189.0	181.1	175.8	170.5	164.5	159.9	154.0	151.3
75°	180.4	169.2	160.6	154.0	148.7	141.4	134.1	128.2	126.2	124.2	123.6
77.5°	140.8	133.5	126.9	121.6	114.3	107.7	105.7	104.4	103.7	102.4	102.4
80°	105.1	98.5	93.8	87.2	83.3	83.3	83.3	81.9	82.6	82.6	82.6
82.5°	71.4	65.4	63.4	62.1	62.1	62.8	62.8	63.4	62.8	64.1	63.4
85°	40.3	41.0	42.3	41.6	42.3	42.3	43.6	43.0	43.6	42.3	43.6
87.5°	18.5	20.5	21.1	21.8	22.5	21.8	22.5	22.5	23.1	23.1	23.1
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: P242593

CATALOG NUMBER: S123RDRP-S1165D940-X4F0-XX-UDD-A-W

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	1543.6	1543.6	1543.6	1543.6
2.5°	1452.5	1451.8	1452.5	1449.8
5°	1368.5	1367.9	1365.9	1359.9
7.5°	1292.5	1291.2	1285.9	1287.2
10°	1226.5	1227.1	1219.2	1214.6
12.5°	1162.4	1158.4	1152.4	1147.2
15°	1107.5	1100.9	1085.0	1086.4
17.5°	1039.4	1034.2	1033.5	1024.2
20°	981.3	978.0	979.3	970.1
22.5°	935.7	932.4	925.1	923.8
25°	891.4	886.1	880.9	884.2
27.5°	846.5	842.5	836.6	836.6
30°	804.2	800.2	797.6	794.3
32.5°	761.2	761.2	756.0	756.0
35°	724.9	720.9	719.6	720.3
37.5°	689.9	684.6	682.0	679.3
40°	651.6	646.3	644.9	643.6
42.5°	608.6	607.3	606.6	604.0
45°	570.3	569.6	565.6	567.0
47.5°	529.3	526.0	524.0	526.0
50°	487.0	485.7	479.7	481.1
52.5°	444.7	438.8	437.5	436.1
55°	397.1	391.2	388.6	387.2
57.5°	350.2	348.2	345.6	347.6
60°	309.9	309.9	309.9	309.3
62.5°	278.9	276.9	276.2	277.5
65°	247.1	246.5	243.8	243.2
67.5°	218.1	215.4	215.4	214.1
70°	184.4	183.0	179.1	179.7
72.5°	148.0	146.7	146.7	145.4
75°	122.9	122.2	121.6	124.2
77.5°	102.4	102.4	103.1	101.8
80°	82.6	82.6	81.9	81.9
82.5°	62.1	62.8	63.4	62.1
85°	43.6	43.0	44.3	43.6
87.5°	24.4	23.1	23.1	23.8
90°	0.0	0.0	0.0	0.0



TEST NUMBER: P242593
 CATALOG NUMBER: S123RDRP-S1165D940-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	17.82	19.31	18.18	19.62	19.94	21.21	22.70	21.58	23.02	23.33
	3H	18.91	20.24	19.29	20.57	20.93	22.62	23.96	23.00	24.29	24.65
	4H	19.24	20.50	19.64	20.85	21.22	23.12	24.37	23.52	24.72	25.10
	6H	19.49	20.65	19.90	21.01	21.41	23.47	24.63	23.88	24.99	25.39
	8H	19.56	20.66	19.99	21.05	21.45	23.57	24.67	24.00	25.06	25.46
	12H	19.60	20.65	20.03	21.03	21.46	23.63	24.69	24.07	25.07	25.50
4H	2H	18.79	20.05	19.19	20.40	20.77	21.45	22.70	21.85	23.05	23.43
	3H	19.96	21.00	20.37	21.40	21.80	23.14	24.18	23.55	24.58	24.98
	4H	20.35	21.28	20.78	21.70	22.14	23.76	24.69	24.19	25.10	25.54
	6H	20.66	21.47	21.12	21.91	22.38	24.22	25.03	24.68	25.48	25.94
	8H	20.75	21.51	21.22	21.95	22.42	24.37	25.12	24.83	25.57	26.03
	12H	20.81	21.48	21.29	21.96	22.43	24.47	25.14	24.95	25.62	26.09
8H	4H	20.72	21.47	21.18	21.92	22.39	23.81	24.57	24.27	25.01	25.48
	6H	21.09	21.72	21.59	22.21	22.69	24.34	24.97	24.84	25.46	25.94
	8H	21.22	21.78	21.74	22.29	22.78	24.54	25.10	25.05	25.61	26.10
	12H	21.32	21.82	21.83	22.31	22.88	24.69	25.19	25.20	25.68	26.25
12H	4H	20.75	21.42	21.23	21.90	22.37	23.80	24.47	24.28	24.95	25.42
	6H	21.13	21.70	21.65	22.21	22.69	24.33	24.89	24.85	25.40	25.89
	8H	21.31	21.81	21.82	22.30	22.86	24.56	25.06	25.07	25.55	26.12