

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: P243443

Luminaire Tested: S123RDRP-H1165D930-X4F0-XX-UDD-A-W

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2024
Report Number: P243443
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1802-639-69)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S123RDRP-H1165D930-X4F0-XX-UDD-A-W
Description: DEFINE 3 REGRESSED DIRECT RECESSED WITH ASYMMETRIC FLUSH DIFFUSER.
HIGH PERFORMANCE LIGHT ENGINE
Light Source: (184) 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

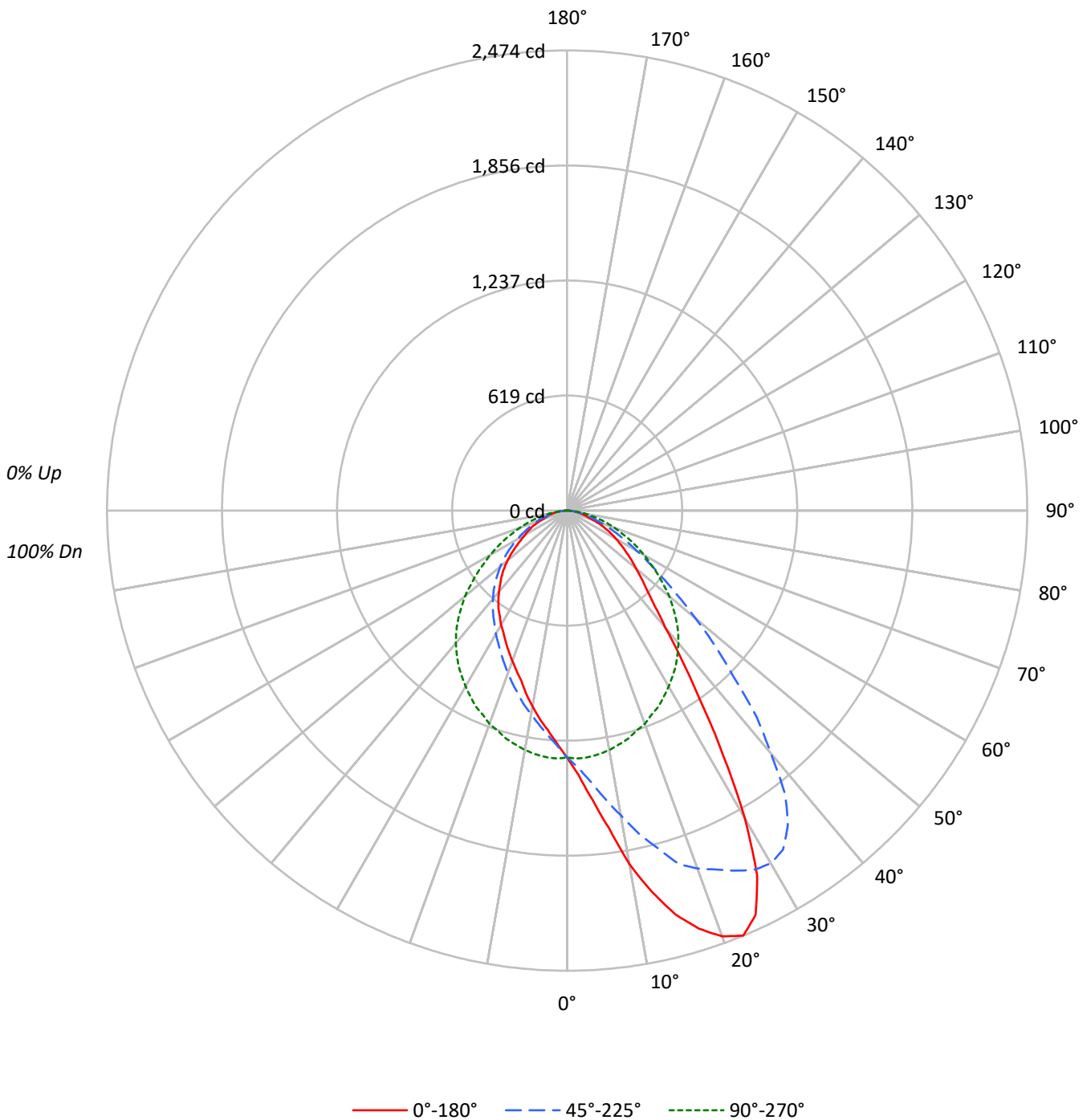
Lumens per Lamp: N/A
Luminaire Lumens: 3460.2 lumens
Efficiency: N/A
Efficacy: 91.8 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.22 / 1.4
Luminous Opening: Rectangular (W 3.88' x L: 0.23' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P243443

CATALOG NUMBER: S123RDRP-H1165D930-X4F0-XX-UDD-A-W

Luminous Intensity Polar Plot





TEST NUMBER: P243443

CATALOG NUMBER: S123RDRP-H1165D930-X4F0-XX-UDD-A-W

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	107	104	100	97	99	97	94	96	93	91	92	90	89	87					87			
2	101	94	88	83	99	92	86	82	89	84	80	85	81	78	82	79	76	74					74			
3	93	84	76	70	91	82	75	70	79	73	68	76	71	67	74	70	66	64					64			
4	86	75	67	61	84	74	66	60	71	65	59	69	63	59	67	62	58	56					56			
5	79	68	59	53	77	66	59	53	64	57	52	62	56	52	61	55	51	49					49			
6	74	61	53	47	72	60	52	47	59	52	46	57	51	46	55	50	46	44					44			
7	69	56	48	42	67	55	47	42	54	47	41	52	46	41	51	45	41	39					39			
8	64	51	43	38	62	51	43	37	49	42	37	48	42	37	47	41	37	35					35			
9	60	47	39	34	59	47	39	34	45	39	34	44	38	34	43	38	33	32					32			
10	56	44	36	31	55	43	36	31	42	35	31	41	35	31	40	35	31	29					29			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	16097	16097	16097	16097	16097
5°	18976	17812	16186	14714	14414
10°	23755	20481	16091	13677	13155
15°	28191	23564	15931	12794	11915
20°	31418	26412	15740	12004	11095
25°	32070	28566	15545	11288	10445
30°	26725	30649	15280	10730	9936
35°	18463	30604	15068	10232	9519
40°	12973	26947	14725	9817	9018
45°	10419	21702	14202	9377	8532
50°	9082	16987	13526	8855	7894
55°	8142	13111	12517	8276	7029
60°	7367	10439	11566	7505	6366
65°	6448	8567	10658	6792	5954
70°	5203	6971	9590	6237	5040
75°	4510	5479	8350	5264	4941
80°	4160	4481	7127	5040	4963
85°	3672	3825	5744	4548	4311

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 55°
 Vertical Angle: 45°
 Luminance: 27197 cd/sqm



TEST NUMBER: P243443

CATALOG NUMBER: S123RDRP-H1165D930-X4F0-XX-UDD-A-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.2	3.8
10°-20°	410.1	11.9
20°-30°	657.1	19.0
30°-40°	713.4	20.6
40°-50°	611.2	17.7
50°-60°	463.3	13.4
60°-70°	296.1	8.6
70°-80°	141.6	4.1
80°-90°	37.2	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°	1197.5	34.6
0°-40°	1910.9	55.2
0°-60°	2985.4	86.3
0°-90°	3460.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3460.2	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1328	1328	1328	1328	1328	
5°	1560	1464	1330	1209	1185	160
15°	2246	1878	1270	1020	950	637
25°	2398	2136	1162	844	781	1064
35°	1248	2068	1018	692	643	801
45°	608	1266	828	547	498	480
55°	385	620	592	392	333	347
65°	225	299	372	237	208	223
75°	96	117	178	112	106	104
85°	26	28	41	33	31	30
90°	0	0	0	0	0	



TEST NUMBER: P243443

CATALOG NUMBER: S123RDRP-H1165D930-X4F0-XX-UDD-A-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1328.0	1328.0	1328.0	1328.0	1328.0	1328.0	1328.0	1328.0	1328.0	1328.0	1328.0
2.5°	1423.1	1424.9	1422.0	1421.4	1420.9	1411.7	1408.8	1404.2	1388.2	1384.2	1381.3
5°	1559.6	1555.0	1560.2	1550.4	1539.5	1533.2	1522.9	1500.0	1479.9	1463.9	1453.5
7.5°	1721.3	1723.0	1717.9	1708.7	1686.9	1677.7	1649.6	1622.1	1595.7	1562.5	1537.8
10°	1930.0	1916.3	1919.1	1890.5	1867.5	1840.0	1801.6	1757.4	1711.0	1664.0	1629.0
12.5°	2096.3	2106.0	2099.2	2085.4	2041.3	2014.3	1979.3	1915.1	1841.7	1778.6	1725.3
15°	2246.5	2233.3	2235.1	2201.8	2185.7	2161.1	2103.2	2039.5	1991.9	1877.8	1814.8
17.5°	2356.6	2355.5	2353.7	2325.7	2306.2	2254.6	2195.5	2130.1	2070.5	1991.4	1912.2
20°	2435.7	2444.3	2442.1	2419.1	2384.7	2334.8	2299.3	2217.9	2119.8	2047.6	1950.7
22.5°	2473.6	2474.2	2475.3	2464.4	2441.5	2409.4	2358.9	2293.5	2206.4	2088.3	1980.5
25°	2397.9	2400.8	2415.7	2424.8	2431.2	2416.8	2390.4	2331.4	2256.3	2135.9	2024.1
27.5°	2212.1	2221.3	2237.9	2293.0	2315.3	2346.3	2357.2	2333.7	2278.1	2177.7	2050.4
30°	1909.4	1935.2	1951.2	2013.7	2101.5	2184.0	2223.0	2261.4	2256.3	2189.8	2060.7
32.5°	1563.1	1579.7	1626.1	1693.2	1762.6	1883.6	2018.9	2111.8	2164.0	2160.5	2069.3
35°	1247.7	1271.8	1311.3	1362.4	1458.1	1583.7	1736.8	1883.0	2013.7	2068.2	2035.5
37.5°	1012.6	1014.9	1052.2	1124.4	1184.0	1294.7	1432.9	1613.5	1785.0	1927.2	1958.7
40°	819.9	836.0	855.5	900.8	971.3	1077.4	1169.1	1346.9	1524.6	1703.0	1830.2
42.5°	698.4	698.4	720.2	748.8	795.9	859.5	969.0	1130.1	1290.1	1509.2	1652.5
45°	607.8	613.5	623.3	641.6	674.9	724.2	809.0	918.6	1082.0	1266.0	1481.6
47.5°	542.4	541.8	550.5	561.3	587.1	624.4	674.3	763.2	884.2	1082.6	1272.9
50°	481.6	483.9	490.2	499.4	516.6	543.0	574.5	641.6	743.7	900.8	1100.3
52.5°	434.6	434.1	439.2	444.9	458.1	473.0	501.1	551.0	621.6	746.5	912.3
55°	385.3	387.6	393.9	397.4	408.3	418.0	441.5	469.6	526.4	620.4	771.2
57.5°	342.9	345.8	349.2	352.6	360.1	369.8	389.3	406.5	447.8	515.5	635.9
60°	303.9	302.7	306.8	312.5	316.5	325.1	336.0	353.8	382.4	430.6	518.9
62.5°	264.9	265.5	266.1	269.5	276.9	284.4	294.1	307.3	324.5	360.1	422.6
65°	224.8	225.3	226.5	229.9	237.4	242.0	252.3	263.8	277.5	298.7	342.3
67.5°	189.2	191.5	191.5	194.4	197.2	201.8	209.3	217.9	229.4	244.8	272.9
70°	146.8	146.2	149.1	154.8	157.7	165.7	170.9	176.6	186.9	196.7	220.8
72.5°	118.1	118.1	118.1	120.4	121.0	122.7	126.1	138.2	146.2	156.0	169.1
75°	96.3	96.9	96.9	97.5	98.0	99.8	100.9	104.4	106.6	117.0	125.0
77.5°	76.8	77.4	77.4	78.0	78.6	79.1	81.4	81.4	83.1	85.4	88.9
80°	59.6	59.1	59.1	59.6	59.6	61.4	61.4	62.5	63.1	64.2	65.9
82.5°	42.4	41.9	42.4	41.9	42.4	43.0	44.2	43.6	44.7	45.9	46.4
85°	26.4	26.9	26.9	28.1	27.5	26.9	27.5	27.5	27.5	27.5	28.7
87.5°	11.5	12.6	12.6	12.0	12.6	12.6	11.5	12.6	12.6	12.6	13.2
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: P243443

CATALOG NUMBER: S123RDRP-H1165D930-X4F0-XX-UDD-A-W

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1328.0	1328.0	1328.0	1328.0	1328.0	1328.0	1328.0	1328.0	1328.0	1328.0	1328.0
2.5°	1379.6	1377.3	1368.7	1360.6	1348.6	1343.4	1336.6	1333.7	1324.5	1311.9	1306.2
5°	1443.8	1426.6	1410.0	1389.9	1373.3	1353.8	1342.9	1330.3	1310.8	1293.0	1280.4
7.5°	1512.0	1486.8	1455.8	1422.6	1392.8	1364.7	1340.6	1320.5	1295.3	1270.6	1251.1
10°	1587.1	1544.1	1494.2	1451.8	1408.8	1368.1	1337.7	1307.3	1274.6	1243.7	1220.2
12.5°	1668.0	1607.2	1547.0	1483.3	1419.1	1372.1	1326.8	1287.8	1251.1	1218.4	1190.3
15°	1751.7	1668.6	1591.7	1520.0	1430.6	1367.5	1317.6	1269.5	1223.6	1183.5	1155.9
17.5°	1811.3	1716.1	1619.2	1517.8	1440.9	1362.9	1301.0	1240.2	1197.8	1156.5	1119.2
20°	1866.4	1758.6	1643.3	1548.7	1441.5	1346.3	1278.7	1220.2	1161.1	1117.0	1085.4
22.5°	1889.9	1792.4	1676.0	1544.7	1437.5	1340.0	1252.8	1186.9	1134.2	1086.0	1044.7
25°	1894.5	1785.5	1666.3	1539.5	1422.0	1316.5	1228.2	1162.3	1093.4	1043.6	1011.5
27.5°	1914.5	1765.5	1648.5	1522.3	1403.1	1293.0	1200.1	1126.7	1062.5	1009.2	967.9
30°	1919.7	1756.9	1610.6	1490.2	1367.5	1259.7	1165.7	1091.7	1021.8	967.3	930.0
32.5°	1922.0	1745.4	1571.1	1439.2	1322.2	1220.7	1134.7	1054.5	987.9	930.6	892.2
35°	1914.0	1729.3	1523.5	1381.3	1268.9	1169.1	1089.4	1018.3	944.4	890.5	849.8
37.5°	1882.4	1704.1	1496.5	1313.6	1206.4	1112.4	1044.7	974.8	906.5	848.0	806.2
40°	1822.8	1667.4	1446.1	1256.9	1135.3	1051.0	987.9	930.6	861.8	805.6	764.3
42.5°	1727.6	1617.5	1399.6	1192.6	1064.8	985.1	932.3	883.0	821.1	767.8	722.5
45°	1586.6	1547.6	1337.7	1127.3	987.9	912.8	867.0	828.5	772.4	723.6	681.8
47.5°	1434.0	1442.6	1275.2	1060.8	918.0	846.3	806.2	772.4	729.9	677.7	639.3
50°	1258.0	1305.0	1187.5	993.7	848.0	777.5	737.9	717.3	677.7	634.2	598.0
52.5°	1096.9	1171.4	1098.6	920.3	779.2	709.9	673.2	652.5	626.1	590.0	553.3
55°	930.0	1024.6	971.9	841.2	709.3	639.3	608.4	592.3	570.5	542.4	509.2
57.5°	791.8	892.8	859.5	758.0	641.0	578.0	550.5	532.1	518.9	493.1	466.2
60°	656.5	750.0	736.8	662.3	573.4	513.2	492.0	477.1	466.2	447.2	420.9
62.5°	529.8	620.4	628.4	569.9	507.4	453.0	433.5	423.2	414.6	399.6	375.6
65°	420.3	500.0	516.6	471.9	438.1	396.8	377.9	371.6	365.2	348.0	329.7
67.5°	329.1	391.6	413.4	388.2	364.1	340.0	325.1	316.5	311.9	301.6	289.0
70°	251.7	305.6	324.0	313.1	297.0	287.8	276.4	270.6	266.1	252.9	246.0
72.5°	188.6	225.3	248.3	244.8	241.4	235.1	228.2	226.5	219.6	211.0	204.7
75°	138.2	159.4	180.0	187.5	186.4	188.6	181.2	178.3	174.3	168.0	162.8
77.5°	99.2	111.8	126.1	135.3	139.9	140.5	140.5	138.8	135.9	131.3	127.3
80°	68.8	71.7	84.9	93.5	98.0	101.5	101.5	102.1	99.2	97.5	94.6
82.5°	47.6	49.3	52.2	59.1	64.8	68.8	69.4	68.8	67.7	67.1	63.1
85°	29.8	29.2	29.2	31.0	35.5	39.6	40.1	41.3	40.7	40.1	36.1
87.5°	12.6	12.6	13.2	12.6	14.3	14.9	16.1	18.9	18.3	15.5	14.3
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: P243443

CATALOG NUMBER: S123RDRP-H1165D930-X4F0-XX-UDD-A-W

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1328.0	1328.0	1328.0	1328.0	1328.0	1328.0	1328.0	1328.0	1328.0	1328.0	1328.0
2.5°	1302.7	1295.3	1288.4	1280.9	1271.8	1263.2	1262.0	1260.9	1263.7	1258.0	1255.7
5°	1270.6	1256.3	1245.4	1231.6	1221.9	1209.3	1202.4	1200.7	1200.1	1196.7	1192.1
7.5°	1235.6	1220.2	1204.7	1189.2	1173.1	1160.0	1152.5	1148.5	1145.1	1139.3	1134.7
10°	1203.0	1183.5	1166.8	1145.6	1128.4	1111.2	1104.3	1098.6	1095.2	1087.1	1080.8
12.5°	1166.3	1141.6	1123.3	1100.3	1084.8	1069.9	1059.0	1048.1	1040.1	1028.1	1022.9
15°	1134.2	1108.4	1077.4	1063.6	1041.8	1019.5	1007.4	1007.4	990.8	981.1	974.8
17.5°	1091.2	1068.8	1047.0	1018.9	987.9	974.8	961.0	949.0	937.5	934.6	923.2
20°	1053.3	1026.9	1004.6	974.2	946.1	930.6	914.6	901.4	892.8	884.7	878.4
22.5°	1016.0	989.7	955.3	925.4	906.5	885.9	868.7	857.2	849.8	837.7	832.0
25°	977.0	945.5	914.6	885.3	861.8	844.0	826.2	819.9	806.8	800.4	792.4
27.5°	938.1	900.2	871.0	845.7	819.4	802.2	790.1	778.7	767.2	763.8	759.2
30°	894.5	859.5	831.4	806.8	781.5	766.6	752.3	742.0	732.2	724.8	719.6
32.5°	850.9	821.7	794.7	766.0	743.1	727.1	715.0	705.8	701.3	688.6	684.0
35°	810.8	781.0	752.3	725.3	707.0	691.5	680.6	672.0	662.3	654.2	649.6
37.5°	769.5	742.5	713.3	690.4	669.7	657.1	645.1	633.6	626.1	621.6	615.8
40°	729.3	700.7	678.3	653.1	634.7	620.4	607.8	599.2	590.0	586.0	578.5
42.5°	691.5	664.0	638.2	615.2	598.6	584.9	572.8	563.1	555.6	548.2	544.1
45°	647.9	623.8	600.3	577.4	561.9	547.0	533.8	525.2	514.9	508.6	506.3
47.5°	611.2	586.0	560.8	539.6	523.5	507.4	496.6	486.2	477.6	471.3	467.9
50°	567.7	544.1	523.5	502.3	486.8	469.6	456.4	446.7	436.9	432.3	426.6
52.5°	530.4	507.4	482.2	463.3	445.5	430.6	418.6	410.5	401.9	395.1	391.0
55°	483.9	461.6	441.5	421.4	403.7	391.6	381.9	368.1	360.7	353.8	342.9
57.5°	443.2	422.0	400.8	381.3	364.7	350.3	338.3	329.1	319.4	314.2	306.8
60°	400.2	377.9	358.4	343.5	325.1	309.6	301.6	290.7	282.7	274.7	272.4
62.5°	357.8	337.2	317.7	302.2	285.5	273.5	263.2	258.0	250.0	243.7	241.4
65°	313.6	296.4	278.1	260.9	250.6	236.8	231.1	222.5	217.9	215.0	214.4
67.5°	270.1	254.6	238.0	224.8	215.0	205.8	199.0	195.5	190.9	187.5	184.6
70°	230.5	215.6	201.3	190.4	182.9	176.0	171.4	165.1	160.5	156.0	149.7
72.5°	191.5	179.5	167.4	158.8	151.4	147.4	141.1	131.3	126.7	125.6	125.0
75°	155.4	142.2	133.6	129.0	122.1	112.4	108.4	107.2	106.6	105.5	105.5
77.5°	119.8	111.8	106.1	96.3	92.9	92.3	89.4	88.9	87.7	88.3	88.3
80°	87.2	82.6	75.7	72.8	71.7	72.2	71.1	71.7	70.5	71.1	70.0
82.5°	57.9	53.9	55.0	53.3	53.3	54.5	53.9	52.2	52.2	51.6	51.6
85°	34.4	33.8	35.0	35.0	34.4	32.7	33.8	33.3	31.5	32.1	32.1
87.5°	14.9	14.9	14.9	14.3	14.9	14.3	14.3	14.3	12.6	12.6	12.6
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: P243443

CATALOG NUMBER: S123RDRP-H1165D930-X4F0-XX-UDD-A-W

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	1328.0	1328.0	1328.0	1328.0
2.5°	1256.9	1255.7	1254.0	1252.3
5°	1192.1	1186.9	1186.3	1184.6
7.5°	1131.3	1129.0	1125.0	1129.6
10°	1075.7	1077.4	1073.4	1068.8
12.5°	1017.8	1014.3	1008.0	1011.5
15°	966.7	961.0	957.6	949.5
17.5°	913.4	908.8	908.8	903.7
20°	867.0	862.4	863.5	860.1
22.5°	828.0	824.5	819.4	819.9
25°	791.3	786.1	780.4	781.0
27.5°	750.6	746.0	744.8	740.8
30°	714.4	710.4	709.9	709.9
32.5°	679.5	677.7	674.9	673.2
35°	649.1	646.8	642.2	643.3
37.5°	611.2	608.9	608.4	607.8
40°	575.7	574.0	569.4	569.9
42.5°	540.1	537.3	534.4	533.2
45°	501.7	501.1	496.6	497.7
47.5°	465.0	463.9	461.6	458.7
50°	424.3	423.7	422.0	418.6
52.5°	384.7	383.0	379.6	376.1
55°	340.0	334.9	335.4	332.6
57.5°	303.3	301.0	296.4	294.7
60°	267.8	265.5	264.9	262.6
62.5°	238.0	235.7	233.9	233.9
65°	211.0	208.1	207.6	207.6
67.5°	181.2	178.3	177.7	176.6
70°	143.9	143.3	142.2	142.2
72.5°	123.9	123.3	123.9	121.6
75°	105.5	104.9	104.9	105.5
77.5°	87.7	87.7	87.2	87.2
80°	69.4	70.0	69.4	71.1
82.5°	52.2	51.0	51.6	50.5
85°	32.1	32.1	31.0	31.0
87.5°	12.6	12.6	12.6	12.6
90°	0.0	0.0	0.0	0.0



TEST NUMBER: P243443
 CATALOG NUMBER: S123RDRP-H1165D930-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	18.04	19.54	18.41	19.86	20.17	20.74	22.24	21.11	22.56	22.87
	3H	19.23	20.57	19.61	20.90	21.26	22.17	23.51	22.54	23.84	24.20
	4H	19.58	20.84	19.98	21.19	21.57	22.67	23.93	23.07	24.28	24.66
	6H	19.86	21.02	20.27	21.39	21.78	23.02	24.18	23.43	24.55	24.94
	8H	19.95	21.05	20.37	21.44	21.84	23.12	24.22	23.54	24.61	25.01
	12H	20.01	21.07	20.44	21.45	21.88	23.18	24.24	23.61	24.62	25.05
4H	2H	18.99	20.25	19.39	20.60	20.98	21.02	22.28	21.42	22.63	23.01
	3H	20.26	21.30	20.67	21.70	22.11	22.74	23.78	23.15	24.18	24.58
	4H	20.67	21.61	21.10	22.02	22.46	23.35	24.29	23.79	24.71	25.15
	6H	21.01	21.83	21.47	22.27	22.73	23.81	24.62	24.27	25.07	25.53
	8H	21.13	21.89	21.59	22.33	22.80	23.95	24.71	24.41	25.15	25.62
	12H	21.22	21.90	21.70	22.38	22.85	24.04	24.72	24.52	25.20	25.67
8H	4H	21.03	21.79	21.49	22.23	22.70	23.41	24.17	23.88	24.62	25.08
	6H	21.45	22.08	21.95	22.57	23.05	23.94	24.57	24.44	25.06	25.54
	8H	21.61	22.18	22.13	22.69	23.17	24.13	24.69	24.65	25.20	25.69
	12H	21.76	22.26	22.27	22.75	23.31	24.28	24.78	24.79	25.27	25.84
12H	4H	21.06	21.74	21.54	22.22	22.69	23.40	24.08	23.88	24.56	25.03
	6H	21.49	22.06	22.01	22.57	23.06	23.93	24.50	24.45	25.01	25.49
	8H	21.70	22.20	22.22	22.70	23.26	24.16	24.66	24.67	25.15	25.72