

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: P242577

Luminaire Tested: S123RDRP-S1000D840-X4F0-XX-UDD-A-W

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2024
Report Number: P242577
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-S1000D840-X4F0-XX-UDD-A-W
Description: DEFINE 3 REGRESSED DIRECT RECESSED WITH ASYMMETRIC FLUSH DIFFUSER
STANDARD LIGHT ENGINE
Light Source: (92) 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

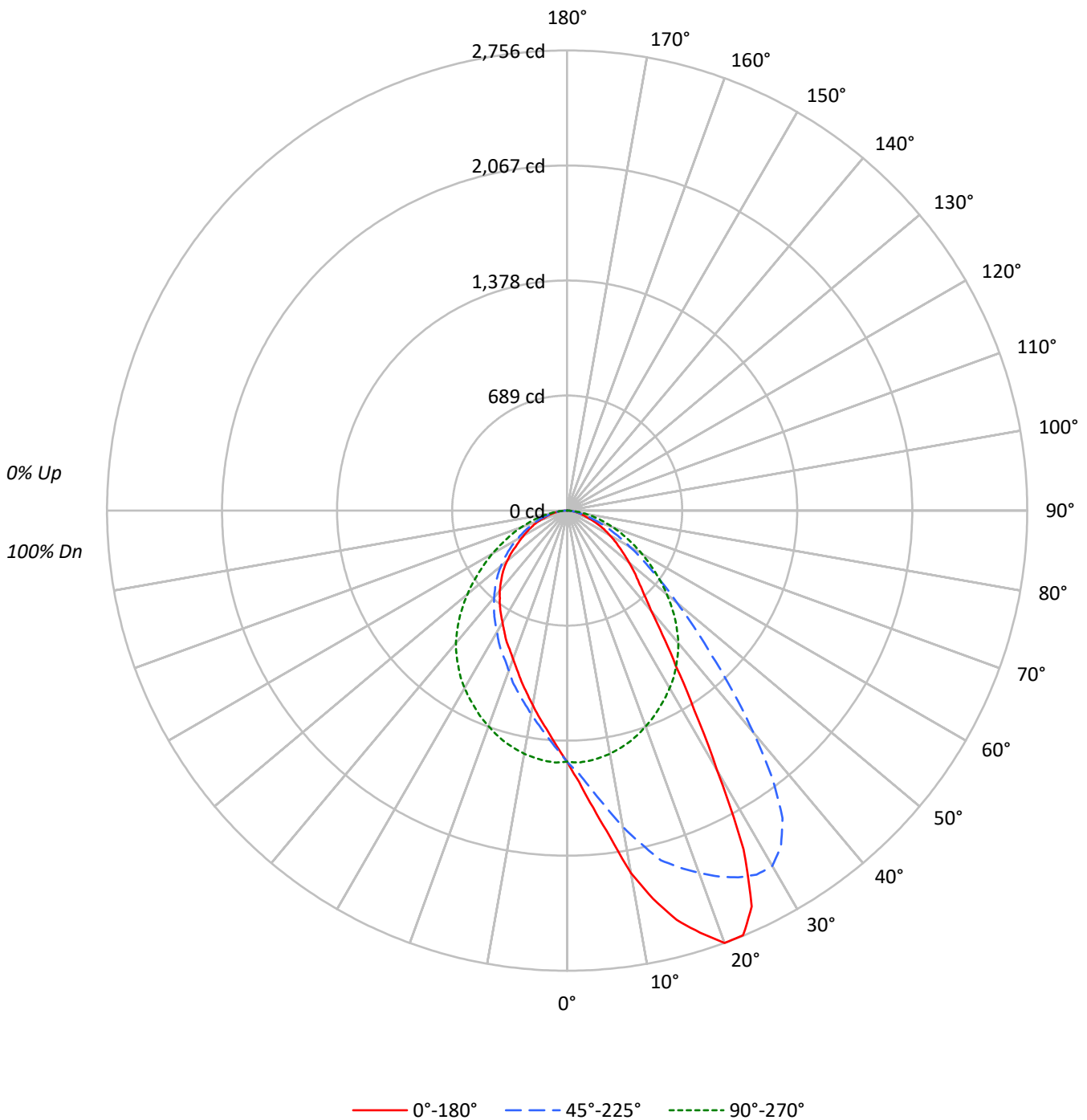
Lumens per Lamp: N/A
Luminaire Lumens: 3745.5 lumens
Efficiency: N/A
Efficacy: 107.6 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.22 / 1.35
Luminous Opening: Rectangular (W 3.88' x L: 0.23' x H: 0')
CIE Type: Direct

Input Watts (W): 34.8
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	100	100	100	100	100		
1	110	106	102	99	108	104	100	97	100	97	94	96	93	91	92	90	89	87	87	87	87	87	87	87		
2	101	94	88	83	99	92	87	82	89	84	80	86	82	78	83	79	77	74	74	74	74	74	74	74		
3	93	84	76	71	91	82	75	70	79	74	69	77	72	68	74	70	66	64	64	64	64	64	64	64		
4	86	75	67	61	84	74	66	61	71	65	60	69	64	59	67	62	58	56	56	56	56	56	56	56		
5	80	68	60	53	78	67	59	53	65	58	53	63	57	52	61	56	52	50	50	50	50	50	50	50		
6	74	62	53	47	72	61	53	47	59	52	47	57	51	46	56	50	46	44	44	44	44	44	44	44		
7	69	56	48	42	67	55	48	42	54	47	42	53	46	42	51	46	41	39	39	39	39	39	39	39		
8	64	52	44	38	63	51	43	38	50	43	38	48	42	38	47	42	37	36	36	36	36	36	36	36		
9	60	48	40	35	59	47	40	35	46	39	34	45	39	34	44	38	34	32	32	32	32	32	32	32		
10	57	44	37	32	55	44	36	32	43	36	31	42	36	31	41	35	31	29	29	29	29	29	29	29		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	18233	18233	18233	18233	18233
5°	21735	20387	18311	16532	16124
10°	27137	23682	18205	15233	14567
15°	31854	27200	18020	14165	13284
20°	35550	29785	17741	13165	12194
25°	34982	32415	17448	12470	11523
30°	25146	34392	17178	11753	10833
35°	16789	33273	16827	11262	10386
40°	12369	27428	16404	10769	9924
45°	10376	20929	15663	10309	9471
50°	9155	16138	14694	9751	8840
55°	8028	12874	13580	9172	7973
60°	7149	10507	12519	8429	7307
65°	6278	8607	11378	7775	6797
70°	4930	6914	10359	7141	6206
75°	4341	5095	9048	6454	5671
80°	3776	4363	7685	5661	5570
85°	3046	3310	6175	5730	5911

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 60°
 Vertical Angle: 45°
 Luminance: 29450 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.7	3.9
10°-20°	462.4	12.3
20°-30°	728.3	19.4
30°-40°	757.4	20.2
40°-50°	648.0	17.3
50°-60°	493.8	13.2
60°-70°	316.4	8.4
70°-80°	151.6	4.0
80°-90°	39.9	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°	1338.4	35.7
0°-40°	2095.8	56.0
0°-60°	3237.6	86.4
0°-90°	3745.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3745.5	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1504	1504	1504	1504	1504	
5°	1786	1676	1505	1359	1325	183
15°	2538	2168	1436	1129	1059	720
25°	2616	2424	1305	932	862	1137
35°	1135	2249	1137	761	702	738
45°	605	1221	914	601	552	475
55°	380	609	643	434	377	343
65°	219	300	397	271	237	216
75°	93	109	193	138	121	99
85°	22	24	44	41	42	25
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°	1504.2	1504.2	1504.2	1504.2	1504.2	1504.2	1504.2	1504.2	1504.2	1504.2	1504.2
2.5°	1626.6	1629.1	1620.8	1619.5	1609.8	1607.2	1607.2	1593.7	1585.3	1574.4	1568.0
5°	1786.3	1796.6	1791.4	1779.8	1760.5	1756.0	1743.8	1724.4	1702.5	1675.5	1662.6
7.5°	1969.1	1990.4	1986.5	1968.5	1947.9	1935.0	1900.9	1873.2	1831.3	1793.3	1763.7
10°	2204.8	2190.0	2178.4	2161.0	2142.3	2112.1	2076.0	2026.4	1969.1	1924.1	1873.8
12.5°	2381.2	2381.9	2366.4	2348.4	2320.1	2291.7	2245.4	2182.3	2113.4	2043.2	1983.9
15°	2538.4	2542.2	2532.6	2513.9	2476.5	2425.7	2358.7	2333.6	2238.3	2167.5	2096.6
17.5°	2650.4	2651.0	2649.1	2624.0	2583.4	2548.7	2486.2	2427.6	2337.5	2241.5	2146.8
20°	2756.0	2749.6	2750.9	2721.9	2693.5	2651.7	2591.2	2495.2	2424.4	2309.1	2210.6
22.5°	2753.4	2753.4	2759.2	2754.1	2735.4	2705.8	2661.3	2584.1	2488.8	2372.2	2258.2
25°	2615.6	2610.5	2640.7	2649.1	2682.0	2687.7	2673.6	2629.2	2543.5	2423.7	2286.6
27.5°	2287.2	2268.6	2331.7	2394.1	2477.2	2530.0	2584.1	2596.3	2555.7	2457.9	2314.3
30°	1796.6	1857.1	1885.4	1987.2	2100.5	2235.7	2354.2	2466.9	2494.6	2457.2	2344.5
32.5°	1415.3	1466.2	1488.8	1572.5	1676.1	1840.3	2032.9	2204.2	2338.1	2383.2	2326.5
35°	1134.6	1135.2	1189.3	1228.0	1325.8	1488.8	1661.3	1875.1	2087.6	2248.6	2265.3
37.5°	936.3	938.8	973.6	1012.3	1090.8	1182.2	1342.6	1522.9	1778.5	2018.7	2143.6
40°	781.7	787.5	812.0	850.0	902.8	967.8	1086.3	1253.7	1458.5	1733.4	1958.2
42.5°	682.6	692.9	702.5	729.6	757.3	817.1	907.3	1027.1	1208.6	1464.9	1732.8
45°	605.3	610.4	620.1	633.6	663.2	705.7	770.1	857.1	1011.6	1220.9	1480.4
47.5°	546.0	542.8	553.8	565.4	585.3	616.2	661.3	736.7	852.6	1027.7	1252.4
50°	485.5	484.9	492.0	500.3	519.0	540.3	575.7	629.1	716.7	855.8	1057.3
52.5°	428.9	432.1	436.6	447.5	459.8	475.9	506.8	541.5	613.7	728.9	888.6
55°	379.9	381.8	388.9	394.7	404.4	421.8	441.7	473.9	525.4	609.2	747.6
57.5°	337.4	336.8	343.9	344.5	356.7	371.5	387.6	412.8	452.0	518.4	614.9
60°	294.9	293.0	298.8	303.3	309.1	320.7	333.6	358.0	387.6	433.4	513.2
62.5°	256.3	255.6	259.5	264.0	268.5	278.8	289.1	306.5	328.4	365.1	424.3
65°	218.9	220.9	222.8	224.7	227.3	233.7	244.0	256.9	273.0	300.1	345.8
67.5°	180.3	182.9	183.5	188.0	193.2	196.4	202.2	214.4	226.7	251.1	278.2
70°	139.1	138.4	139.1	141.0	148.1	155.2	163.6	171.9	179.0	195.1	217.0
72.5°	114.6	113.3	115.3	115.3	117.8	118.5	123.0	130.7	140.4	150.0	164.2
75°	92.7	92.7	92.7	92.7	95.3	96.6	98.5	100.5	103.7	108.8	120.4
77.5°	72.1	72.1	73.4	74.1	74.7	75.3	76.6	78.6	79.8	82.4	88.2
80°	54.1	54.7	54.1	54.7	54.7	56.0	56.7	58.6	59.2	62.5	64.4
82.5°	37.3	36.7	37.3	38.0	38.0	39.3	39.3	40.6	40.6	41.9	43.8
85°	21.9	20.6	21.9	21.2	22.5	21.2	21.9	23.2	23.2	23.8	26.4
87.5°	6.4	7.7	6.4	7.1	7.1	7.7	7.7	7.7	9.0	8.4	9.0
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1504.2	1504.2	1504.2	1504.2	1504.2	1504.2	1504.2	1504.2	1504.2	1504.2	1504.2
2.5°	1565.4	1563.5	1554.4	1544.1	1530.6	1521.6	1514.5	1510.7	1499.1	1484.9	1475.2
5°	1649.1	1629.8	1609.2	1584.1	1560.9	1537.1	1522.2	1504.9	1483.6	1459.8	1443.0
7.5°	1732.2	1698.7	1662.0	1624.0	1585.3	1551.2	1519.7	1493.9	1461.7	1428.9	1406.3
10°	1830.7	1775.3	1718.0	1659.4	1606.0	1555.7	1517.1	1479.1	1438.5	1399.3	1369.6
12.5°	1920.2	1842.9	1774.7	1699.3	1627.2	1564.7	1504.9	1458.5	1407.6	1365.1	1330.4
15°	1993.0	1918.3	1838.4	1728.9	1638.1	1562.2	1494.6	1436.0	1376.7	1325.2	1292.4
17.5°	2068.9	1955.6	1850.6	1765.6	1647.2	1555.1	1475.9	1407.6	1343.2	1290.4	1249.2
20°	2112.7	2003.9	1887.3	1770.8	1654.9	1548.6	1452.7	1375.4	1307.8	1246.0	1208.6
22.5°	2139.1	2012.3	1888.0	1760.5	1635.6	1524.2	1429.5	1342.6	1267.9	1209.9	1161.6
25°	2158.4	2011.6	1876.4	1752.8	1627.2	1507.4	1394.7	1304.6	1225.4	1162.9	1114.0
27.5°	2173.9	2003.9	1848.7	1714.1	1587.3	1465.6	1363.8	1267.2	1188.0	1123.0	1069.6
30°	2177.8	1994.2	1815.9	1667.1	1537.7	1428.2	1318.8	1227.3	1142.3	1072.1	1023.2
32.5°	2182.9	1970.4	1771.4	1611.1	1477.8	1369.6	1273.0	1186.8	1099.2	1030.3	980.1
35°	2164.9	1964.6	1726.4	1544.8	1412.1	1307.2	1217.7	1137.2	1051.5	984.6	933.7
37.5°	2110.1	1933.1	1681.3	1470.7	1333.6	1237.0	1162.3	1088.9	1009.7	936.3	889.3
40°	2018.1	1881.6	1627.2	1404.4	1259.5	1159.7	1094.0	1036.7	960.7	893.1	841.6
42.5°	1880.9	1811.4	1575.7	1334.9	1175.8	1080.5	1027.7	974.9	910.5	841.6	794.0
45°	1707.0	1718.0	1501.6	1260.2	1099.8	1003.2	951.1	913.7	854.5	797.8	748.2
47.5°	1495.8	1587.3	1422.4	1181.6	1017.4	926.6	880.9	846.8	805.6	747.0	701.2
50°	1289.8	1436.0	1323.3	1102.4	940.8	850.6	805.6	779.2	744.4	700.6	657.4
52.5°	1099.8	1259.5	1203.5	1014.2	857.7	777.2	733.4	712.8	687.1	646.5	608.5
55°	927.9	1086.9	1071.5	925.3	774.6	700.6	667.1	642.6	624.0	593.1	562.1
57.5°	778.5	932.4	935.6	826.8	702.5	627.2	598.2	578.9	566.0	541.5	511.3
60°	638.8	777.2	804.3	727.0	624.0	559.6	531.2	516.4	506.8	488.1	466.2
62.5°	522.9	635.6	667.1	616.9	548.6	489.4	468.8	454.6	448.8	433.4	414.7
65°	417.9	515.8	545.4	514.5	475.2	426.9	408.9	396.7	390.9	381.8	367.7
67.5°	329.7	405.7	437.9	412.1	397.3	363.2	350.9	343.9	338.7	332.3	320.0
70°	252.4	305.2	338.7	332.9	321.3	305.2	296.8	292.3	287.2	282.0	271.7
72.5°	190.6	222.8	253.7	258.9	249.8	249.8	242.8	241.5	238.9	232.5	227.9
75°	134.6	159.7	181.6	190.0	193.8	197.0	193.8	193.2	192.5	187.4	184.2
77.5°	93.4	109.5	124.3	139.1	144.2	148.7	149.4	152.0	150.0	146.8	145.5
80°	67.6	70.8	80.5	92.7	102.4	106.2	108.8	110.1	109.5	108.8	106.2
82.5°	44.4	47.0	50.2	58.0	65.7	72.8	74.1	73.4	75.3	76.0	74.1
85°	26.4	27.0	28.3	29.6	34.1	41.2	43.1	44.4	45.7	45.7	41.9
87.5°	10.3	9.7	10.9	10.9	12.9	13.5	17.4	20.6	21.2	18.7	18.7
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°	1504.2	1504.2	1504.2	1504.2	1504.2	1504.2	1504.2	1504.2	1504.2	1504.2	1504.2
2.5°	1472.0	1463.6	1457.8	1445.0	1436.6	1427.6	1418.6	1424.4	1423.7	1423.1	1423.1
5°	1428.9	1414.1	1400.5	1383.2	1372.2	1358.7	1348.4	1347.1	1349.7	1340.7	1335.5
7.5°	1388.3	1369.0	1349.7	1331.6	1311.7	1296.2	1286.6	1282.7	1275.6	1269.8	1264.7
10°	1345.2	1321.3	1302.7	1278.8	1256.9	1237.6	1225.4	1217.0	1212.5	1208.0	1199.6
12.5°	1300.7	1277.5	1252.4	1224.7	1204.1	1181.0	1172.6	1162.9	1153.3	1148.1	1135.9
15°	1257.6	1227.3	1202.2	1173.9	1150.7	1128.8	1115.9	1097.3	1094.7	1088.2	1076.6
17.5°	1215.7	1182.2	1145.5	1126.2	1103.0	1079.9	1059.3	1053.5	1034.1	1027.7	1016.8
20°	1164.2	1134.0	1107.6	1079.9	1041.9	1020.6	1005.2	996.8	982.0	973.0	966.5
22.5°	1119.8	1088.9	1057.3	1023.8	994.2	969.8	959.5	945.3	938.8	925.3	918.2
25°	1077.9	1044.4	1007.7	973.0	950.4	932.4	914.4	902.8	891.2	885.4	872.5
27.5°	1027.1	993.6	958.2	931.1	905.4	887.3	869.9	860.3	845.5	835.8	828.7
30°	986.5	945.3	915.7	891.8	856.4	839.7	827.4	814.6	804.3	794.0	786.9
32.5°	939.5	902.8	875.1	844.2	819.1	800.4	783.7	772.7	764.3	754.7	747.6
35°	889.9	858.4	829.4	799.8	779.8	761.1	742.4	732.8	724.4	715.4	709.0
37.5°	844.8	815.2	788.2	759.8	735.4	719.3	703.8	697.4	685.8	679.3	672.9
40°	803.6	774.6	745.0	718.0	692.2	680.6	667.1	656.2	645.9	641.4	634.3
42.5°	758.5	729.6	705.7	676.1	656.2	639.4	627.2	614.9	607.9	600.8	597.6
45°	714.1	688.4	663.9	634.9	614.9	601.4	587.3	576.3	569.2	564.7	557.6
47.5°	671.6	645.2	620.7	595.0	575.7	560.2	545.4	538.3	528.7	523.5	518.4
50°	624.6	601.4	575.0	551.8	532.5	517.1	505.5	495.8	487.5	480.4	477.1
52.5°	581.5	556.4	534.5	513.2	492.6	474.6	464.3	454.0	448.2	439.8	435.9
55°	533.2	509.3	490.0	468.8	448.8	434.0	421.1	412.1	405.7	396.7	391.5
57.5°	488.7	468.1	444.3	425.6	404.4	392.8	381.8	369.0	361.2	354.2	349.0
60°	443.7	419.2	399.2	381.8	363.8	347.7	338.1	328.4	320.0	312.9	308.4
62.5°	396.7	376.1	357.4	338.1	322.0	308.4	296.8	289.1	282.0	278.2	273.7
65°	348.4	331.6	312.3	296.8	281.4	271.1	262.1	255.0	249.8	246.6	242.8
67.5°	303.9	287.8	270.4	254.4	244.0	235.7	229.2	222.8	220.2	216.4	213.8
70°	260.8	244.0	229.2	217.6	207.3	201.5	197.7	193.2	190.6	185.5	182.9
72.5°	213.8	202.8	193.2	184.2	176.4	171.3	166.1	160.3	155.8	150.0	147.5
75°	175.8	164.8	156.5	150.0	144.9	137.8	130.7	124.9	123.0	121.1	120.4
77.5°	137.2	130.1	123.6	118.5	111.4	105.0	103.0	101.7	101.1	99.8	99.8
80°	102.4	95.9	91.4	85.0	81.1	81.1	81.1	79.8	80.5	80.5	80.5
82.5°	69.5	63.7	61.8	60.5	60.5	61.2	61.2	61.8	61.2	62.5	61.8
85°	39.3	39.9	41.2	40.6	41.2	41.2	42.5	41.9	42.5	41.2	42.5
87.5°	18.0	20.0	20.6	21.2	21.9	21.2	21.9	21.9	22.5	22.5	22.5
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: P242577

CATALOG NUMBER: S123RDRP-S1000D840-X4F0-XX-UDD-A-W

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	1504.2	1504.2	1504.2	1504.2
2.5°	1415.3	1414.7	1415.3	1412.8
5°	1333.6	1332.9	1331.0	1325.2
7.5°	1259.5	1258.2	1253.1	1254.4
10°	1195.1	1195.8	1188.0	1183.5
12.5°	1132.7	1128.8	1123.0	1117.9
15°	1079.2	1072.8	1057.3	1058.6
17.5°	1012.9	1007.7	1007.1	998.1
20°	956.2	953.0	954.3	945.3
22.5°	911.8	908.6	901.5	900.2
25°	868.7	863.5	858.4	861.6
27.5°	824.9	821.0	815.2	815.2
30°	783.7	779.8	777.2	774.0
32.5°	741.8	741.8	736.7	736.7
35°	706.4	702.5	701.2	701.9
37.5°	672.3	667.1	664.5	662.0
40°	634.9	629.8	628.5	627.2
42.5°	593.1	591.8	591.1	588.5
45°	555.7	555.1	551.2	552.5
47.5°	515.8	512.6	510.6	512.6
50°	474.6	473.3	467.5	468.8
52.5°	433.4	427.6	426.3	425.0
55°	387.0	381.2	378.6	377.3
57.5°	341.3	339.3	336.8	338.7
60°	302.0	302.0	302.0	301.4
62.5°	271.7	269.8	269.2	270.4
65°	240.8	240.2	237.6	237.0
67.5°	212.5	209.9	209.9	208.6
70°	179.7	178.4	174.5	175.1
72.5°	144.2	143.0	143.0	141.7
75°	119.8	119.1	118.5	121.1
77.5°	99.8	99.8	100.5	99.2
80°	80.5	80.5	79.8	79.8
82.5°	60.5	61.2	61.8	60.5
85°	42.5	41.9	43.1	42.5
87.5°	23.8	22.5	22.5	23.2
90°	0.0	0.0	0.0	0.0



TEST NUMBER: P242577
 CATALOG NUMBER: S123RDRP-S1000D840-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	17.73	19.22	18.09	19.53	19.85	21.12	22.61	21.49	22.93	23.24
	3H	18.82	20.15	19.19	20.48	20.84	22.53	23.87	22.91	24.20	24.56
	4H	19.15	20.41	19.55	20.75	21.13	23.03	24.28	23.43	24.63	25.01
	6H	19.40	20.56	19.81	20.92	21.31	23.38	24.54	23.79	24.90	25.30
	8H	19.47	20.57	19.90	20.96	21.36	23.48	24.58	23.91	24.97	25.37
	12H	19.51	20.56	19.94	20.94	21.37	23.54	24.60	23.98	24.98	25.41
4H	2H	18.70	19.96	19.10	20.31	20.68	21.36	22.61	21.76	22.96	23.34
	3H	19.87	20.91	20.28	21.31	21.71	23.05	24.09	23.46	24.49	24.89
	4H	20.26	21.19	20.69	21.61	22.05	23.67	24.60	24.10	25.01	25.45
	6H	20.57	21.38	21.03	21.82	22.28	24.13	24.94	24.59	25.39	25.85
	8H	20.66	21.42	21.13	21.86	22.33	24.28	25.03	24.74	25.48	25.94
	12H	20.72	21.39	21.20	21.87	22.34	24.38	25.05	24.86	25.53	26.00
8H	4H	20.63	21.38	21.09	21.83	22.30	23.72	24.48	24.18	24.92	25.39
	6H	21.00	21.62	21.50	22.12	22.59	24.25	24.88	24.75	25.37	25.85
	8H	21.13	21.69	21.65	22.20	22.69	24.45	25.01	24.96	25.52	26.01
	12H	21.23	21.73	21.74	22.22	22.79	24.60	25.10	25.11	25.59	26.16
12H	4H	20.66	21.33	21.14	21.81	22.28	23.71	24.38	24.19	24.86	25.33
	6H	21.04	21.60	21.56	22.12	22.60	24.24	24.80	24.76	25.31	25.80
	8H	21.22	21.72	21.73	22.21	22.77	24.47	24.97	24.98	25.46	26.03