

LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: NEO-RAY

Report Number: P832448

Luminaire Tested: S123RDP-S1000D950-4F0-1E-UDD-G

Issue Date: 05/03/2024

Tested By:

Approved By:



NVLAP Lab Code: 200050-0

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**Test Information**

Test Method: LM-79-2019  
 Report Number: P832448  
 Test Lab: INNOVATION CENTER  
 Issue Date: 05/03/2024  
 Manufacturer: COOPER LIGHTING SOLUTIONS  
 Product Line: NEO-RAY  
 Catalog Number: S123RDP-S1000D950-4F0-1E-UDD-G  
 Description: DEFINE 3 DIRECT PENDANT LED LUMINAIRE  
 DOWNLIGHT 1000 LUMENS PER FOOT, GRAZE OPTIC

Light Source: -  
 Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
 Luminaire Lumens: 4104.5 lumens  
 Efficiency: N/A  
 Efficacy: 116.9 lumens/watt  
 Spacing Criteria (0/90/45): 0.55 / 1.17 / 0.8  
 Luminous Opening: Rectangular (W 4' x L: 0.25' x H: 0')  
 CIE Type: Direct

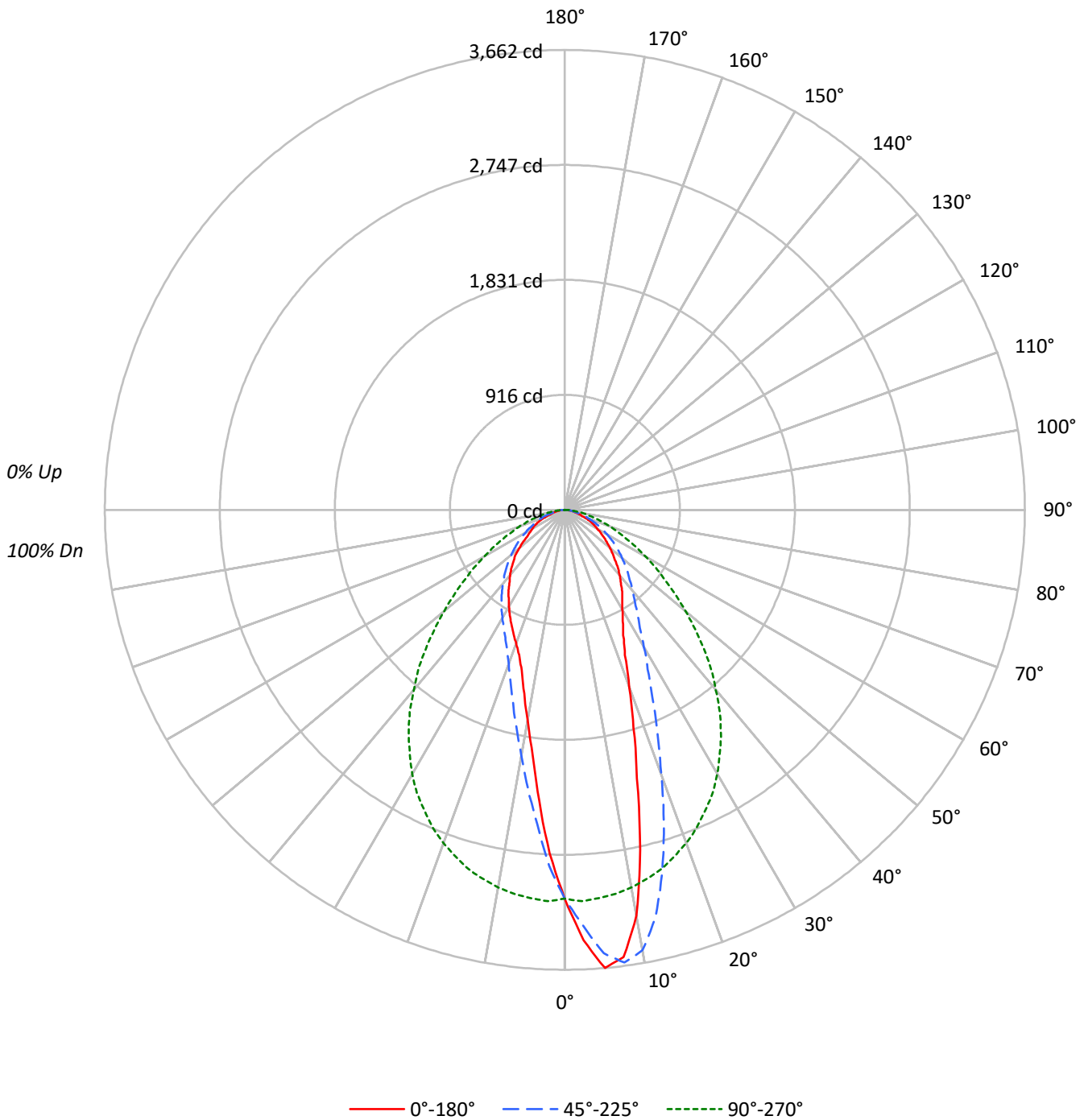
Input Watts (W): 35.1  
 Input Voltage (V): 120  
 Input Current (Ain): NR  
 Voltage Rise (V): NR  
 Power Factor: NR  
 Total Harmonic Distortion (THDi): NR  
 Frequency (hertz): 60  
 Stabilization Time: NR  
 Operation Time: NR  
 Ambient Temperature (°C): NR  
 Test Distance: 24 FT

Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	P3	10/30/2015	4/30/2016
Power Meter	IN0214	1/12/2016	1/12/2017
AC Power Source	IN0062	1/12/2016	1/12/2017
DC Power Supply	--	--	--
Room Thermometer	IN0145	1/13/2016	1/13/2017

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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	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				
1	111	107	103	100	108	104	101	98	100	97	95	96	94	92	93	91	89	87				
2	102	95	89	84	100	93	88	83	90	85	81	87	83	80	84	81	78	76				
3	94	85	78	73	92	84	77	72	81	75	71	78	74	70	76	72	69	67				
4	88	77	69	64	85	76	69	63	73	67	62	71	66	62	69	65	61	59				
5	82	70	62	56	80	69	62	56	67	61	56	65	60	55	63	58	54	53				
6	76	64	56	51	74	63	56	50	62	55	50	60	54	50	59	53	49	47				
7	71	59	51	46	70	58	51	46	57	50	45	56	50	45	54	49	45	43				
8	67	55	47	42	65	54	47	42	53	46	41	52	46	41	51	45	41	39				
9	63	51	43	38	62	50	43	38	49	43	38	48	42	38	47	42	38	36				
10	60	47	40	35	58	47	40	35	46	40	35	45	39	35	44	39	35	33				

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°	135°	180°
0°	33322	33322	33322	33322	33322
5°	39566	38305	33532	27107	25166
10°	35848	38907	33365	21718	18631
15°	24682	33360	33013	17751	14739
20°	17171	25684	32349	14968	12954
25°	13085	19574	31385	13303	11940
30°	11390	15649	30179	12352	11059
35°	10457	13201	28470	11550	10257
40°	9542	11789	26235	10763	9524
45°	8617	10782	23823	10018	8791
50°	7822	9947	20979	9289	7886
55°	7075	9135	18246	8574	6765
60°	6340	8308	15849	7787	6394
65°	5850	7371	13642	6999	6046
70°	4752	6370	11903	6332	4913
75°	4171	5065	10081	5253	4329
80°	3775	4289	8263	4407	4091
85°	3446	3767	6274	4001	3767

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 80°  
 Vertical Angle: 45°  
 Luminance: 25137 cd/sqm

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	282.2	6.9
10°-20°	652.9	15.9
20°-30°	749.2	18.3
30°-40°	738.4	18.0
40°-50°	651.2	15.9
50°-60°	501.0	12.2
60°-70°	329.4	8.0
70°-80°	160.0	3.9
80°-90°	40.3	1.0
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°	1684.3	41.0
0°-40°	2422.7	59.0
0°-60°	3574.9	87.1
0°-90°	4104.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4104.5	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	3096	3096	3096	3096	3096	
5°	3662	3545	3103	2509	2329	335
15°	2215	2994	2962	1593	1323	625
25°	1102	1648	2643	1120	1005	520
35°	796	1005	2167	879	781	496
45°	566	708	1565	658	578	439
55°	377	487	972	457	360	338
65°	230	289	536	275	237	225
75°	100	122	242	126	104	108
85°	28	30	51	32	30	31
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°	3095.7	3095.7	3095.7	3095.7	3095.7	3095.7	3095.7	3095.7	3095.7	3095.7	3095.7
2.5°	3430.8	3420.0	3409.3	3406.1	3402.9	3392.8	3382.6	3359.8	3336.9	3313.4	3289.9
5°	3661.8	3663.1	3664.4	3661.2	3658.0	3644.7	3631.4	3603.5	3575.5	3545.1	3514.6
7.5°	3590.8	3611.1	3631.4	3635.2	3639.0	3649.2	3659.3	3653.0	3646.6	3635.2	3623.8
10°	3279.8	3278.5	3277.3	3300.1	3322.9	3390.9	3458.8	3493.7	3528.6	3559.7	3590.8
12.5°	2772.1	2774.0	2775.9	2850.8	2925.7	2989.8	3053.9	3142.7	3231.6	3327.4	3423.2
15°	2214.9	2246.0	2277.1	2343.7	2410.3	2506.8	2603.3	2722.6	2841.9	2993.6	3145.3
17.5°	1818.9	1832.2	1845.5	1909.6	1973.7	2065.1	2156.5	2291.7	2426.8	2622.3	2817.8
20°	1499.0	1511.1	1523.1	1569.5	1615.8	1703.4	1790.9	1919.8	2048.6	2242.2	2435.7
22.5°	1251.5	1275.0	1298.5	1329.6	1360.7	1424.1	1487.6	1619.0	1750.3	1926.8	2103.2
25°	1101.7	1112.5	1123.3	1150.0	1176.6	1237.5	1298.5	1385.4	1472.4	1648.1	1823.9
27.5°	1000.2	1003.4	1006.5	1026.2	1045.9	1085.2	1124.6	1205.2	1285.8	1430.5	1575.2
30°	916.4	922.1	927.8	943.1	958.3	986.9	1015.4	1072.5	1129.7	1259.1	1388.6
32.5°	851.7	854.9	858.0	870.7	883.4	904.4	925.3	970.4	1015.4	1114.4	1213.4
35°	795.8	796.5	797.1	806.6	816.1	836.4	856.8	894.2	931.6	1004.6	1077.6
37.5°	732.4	736.8	741.3	748.2	755.2	773.0	790.8	821.2	851.7	912.0	972.3
40°	679.1	682.9	686.7	694.9	703.2	717.1	731.1	759.0	786.9	839.0	891.0
42.5°	625.8	628.3	630.8	639.1	647.3	664.5	681.6	703.8	726.0	769.2	812.3
45°	566.1	572.4	578.8	587.7	596.6	611.2	625.8	648.6	671.4	708.3	745.1
47.5°	516.6	519.8	522.9	530.6	538.2	555.9	573.7	594.0	614.3	648.6	682.9
50°	467.1	468.4	469.6	476.6	483.6	499.5	515.3	538.8	562.3	594.0	625.8
52.5°	420.1	423.3	426.5	433.5	440.4	451.2	462.0	486.1	510.2	541.3	572.4
55°	377.0	378.9	380.8	385.9	390.9	403.6	416.3	437.3	458.2	486.8	515.3
57.5°	336.4	338.9	341.4	345.2	349.0	360.5	371.9	390.3	408.7	437.3	465.8
60°	294.5	297.6	300.8	305.3	309.7	318.6	327.5	344.0	360.5	385.9	411.2
62.5°	264.0	264.6	265.3	269.1	272.9	279.2	285.6	298.9	312.2	337.6	363.0
65°	229.7	231.6	233.5	235.4	237.4	242.4	247.5	258.9	270.4	289.4	308.4
67.5°	194.2	196.1	198.0	201.2	204.4	208.8	213.2	220.9	228.5	246.2	264.0
70°	151.0	151.0	151.0	156.1	161.2	168.8	176.4	182.1	187.9	202.4	217.0
72.5°	123.1	123.8	124.4	125.0	125.7	130.1	134.5	144.1	153.6	162.5	171.4
75°	100.3	100.9	101.5	102.2	102.8	104.1	105.3	108.5	111.7	121.8	132.0
77.5°	80.0	80.6	81.2	81.9	82.5	83.8	85.0	86.3	87.6	91.4	95.2
80°	60.9	61.6	62.2	62.8	63.5	64.1	64.7	66.0	67.3	69.2	71.1
82.5°	44.4	44.4	44.4	44.4	44.4	45.7	47.0	47.0	47.0	48.2	49.5
85°	27.9	27.9	27.9	28.6	29.2	29.2	29.2	29.8	30.5	30.5	30.5
87.5°	12.7	12.1	11.4	12.1	12.7	12.7	12.7	13.3	14.0	14.0	14.0
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°	3095.7	3095.7	3095.7	3095.7	3095.7	3095.7	3095.7	3095.7	3095.7	3095.7	3095.7
2.5°	3286.8	3283.6	3253.1	3222.7	3192.8	3163.0	3140.8	3118.6	3081.2	3043.7	3020.2
5°	3490.5	3466.4	3418.1	3369.9	3297.6	3225.2	3164.3	3103.4	3025.9	2948.5	2883.8
7.5°	3604.1	3584.4	3526.0	3467.6	3371.8	3276.0	3180.8	3085.6	2971.4	2857.1	2759.4
10°	3607.3	3623.8	3575.5	3527.3	3419.4	3311.5	3182.1	3052.6	2899.0	2745.4	2619.1
12.5°	3494.3	3565.4	3555.2	3545.1	3435.3	3325.5	3168.1	3010.7	2822.2	2633.7	2475.7
15°	3283.0	3420.7	3461.3	3501.9	3411.2	3320.4	3141.4	2962.5	2741.0	2519.5	2338.0
17.5°	3010.7	3203.6	3310.9	3418.1	3352.1	3286.1	3090.0	2893.9	2644.5	2395.1	2197.7
20°	2688.3	2940.9	3109.1	3277.3	3253.1	3229.0	3026.6	2824.1	2555.0	2286.0	2072.1
22.5°	2369.7	2636.3	2868.6	3100.8	3125.6	3150.3	2946.0	2741.6	2447.2	2152.7	1935.0
25°	2094.9	2365.9	2642.6	2919.3	2975.2	3031.0	2836.8	2642.6	2337.4	2032.1	1815.7
27.5°	1832.8	2090.5	2395.1	2699.7	2801.3	2902.8	2725.1	2547.4	2229.5	1911.5	1695.7
30°	1619.0	1849.3	2160.3	2471.3	2612.8	2754.3	2591.2	2428.1	2112.7	1797.3	1586.0
32.5°	1419.7	1625.9	1938.2	2250.4	2414.8	2579.2	2438.3	2297.4	1994.0	1690.7	1481.9
35°	1262.3	1447.0	1738.3	2029.6	2213.6	2397.7	2282.1	2166.6	1870.3	1573.9	1376.5
37.5°	1127.1	1282.0	1555.5	1829.0	2024.5	2220.0	2123.5	2027.0	1748.4	1469.8	1283.2
40°	1015.4	1139.8	1394.3	1648.8	1840.4	2032.1	1949.6	1867.1	1617.7	1368.3	1193.7
42.5°	919.6	1026.8	1255.3	1483.8	1659.6	1835.4	1780.8	1726.2	1500.3	1274.3	1112.5
45°	835.2	925.3	1126.5	1327.7	1489.5	1651.3	1608.2	1565.0	1370.2	1175.3	1026.8
47.5°	760.3	837.7	1017.3	1196.9	1342.3	1487.6	1447.6	1407.6	1246.4	1085.2	950.0
50°	691.8	757.8	907.5	1057.3	1188.0	1318.8	1285.8	1252.8	1119.5	986.2	869.4
52.5°	627.0	681.6	816.1	950.7	1056.0	1161.4	1136.0	1110.6	1007.8	905.0	799.0
55°	565.5	615.6	729.2	842.8	932.9	1023.0	997.6	972.3	892.3	812.3	719.0
57.5°	509.6	553.4	645.4	737.4	809.2	880.9	868.8	856.8	790.1	723.5	646.7
60°	450.6	489.9	569.3	648.6	706.3	764.1	750.1	736.2	688.6	641.0	575.0
62.5°	397.9	432.8	496.3	559.7	606.7	653.7	643.5	633.4	597.2	561.0	506.4
65°	342.7	377.0	428.4	479.8	516.6	553.4	544.5	535.6	508.3	481.1	437.3
67.5°	292.6	321.1	365.5	410.0	434.7	459.5	454.4	449.3	428.4	407.4	373.2
70°	241.8	266.5	303.4	340.2	357.3	374.4	376.3	378.2	359.2	340.2	314.8
72.5°	191.0	210.7	245.0	279.2	292.6	305.9	305.3	304.6	293.2	281.8	258.9
75°	146.6	161.2	187.9	214.5	225.9	237.4	239.9	242.4	231.6	220.9	208.2
77.5°	105.3	115.5	135.8	156.1	168.8	181.5	182.8	184.0	179.0	173.9	161.8
80°	74.3	77.4	90.1	102.8	116.1	129.5	131.4	133.3	128.2	123.1	115.5
82.5°	51.4	53.3	57.8	62.2	73.0	83.8	86.3	88.8	86.3	83.8	75.5
85°	31.1	31.7	33.6	35.5	40.6	45.7	48.2	50.8	49.5	48.2	43.8
87.5°	14.0	14.0	14.6	15.2	16.5	17.8	20.9	24.1	22.2	20.3	18.4
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°	3095.7	3095.7	3095.7	3095.7	3095.7	3095.7	3095.7	3095.7	3095.7	3095.7	3095.7
2.5°	2996.7	2960.6	2924.4	2898.4	2872.4	2840.0	2807.6	2806.4	2805.1	2781.0	2756.9
5°	2819.0	2756.2	2693.4	2631.8	2570.3	2508.7	2447.2	2433.2	2419.2	2398.3	2377.3
7.5°	2661.7	2561.4	2461.1	2382.4	2303.7	2242.2	2180.6	2138.7	2096.8	2064.5	2032.1
10°	2492.8	2368.5	2244.1	2148.9	2053.7	1987.0	1920.4	1872.2	1823.9	1801.1	1778.2
12.5°	2317.7	2182.5	2047.3	1954.0	1860.7	1780.8	1700.8	1657.0	1613.2	1581.5	1549.8
15°	2156.5	2011.2	1865.8	1766.8	1667.8	1592.9	1518.0	1474.3	1430.5	1398.7	1367.0
17.5°	2000.4	1853.8	1707.2	1606.9	1506.6	1438.7	1370.8	1328.3	1285.8	1266.1	1246.4
20°	1858.2	1710.3	1562.5	1467.9	1373.4	1306.7	1240.1	1217.2	1194.4	1176.0	1157.6
22.5°	1717.3	1575.2	1433.0	1342.3	1251.5	1203.3	1155.0	1136.6	1118.2	1104.3	1090.3
25°	1599.3	1457.8	1316.2	1236.9	1157.6	1120.1	1082.7	1070.6	1058.6	1044.6	1030.6
27.5°	1480.0	1345.4	1210.9	1147.4	1084.0	1053.5	1023.0	1007.8	992.6	981.1	969.7
30°	1374.6	1250.2	1125.8	1073.2	1020.5	993.8	967.2	950.7	934.2	923.4	912.6
32.5°	1273.1	1162.7	1052.2	1007.2	962.1	936.1	910.1	894.2	878.3	865.6	852.9
35°	1179.2	1083.3	987.5	946.2	905.0	879.0	852.9	837.1	821.2	808.5	795.8
37.5°	1096.6	1009.7	922.8	884.0	845.3	822.5	799.6	783.1	766.6	753.3	740.0
40°	1019.2	942.4	865.6	828.2	790.8	766.0	741.3	726.7	712.1	700.0	687.9
42.5°	950.7	880.2	809.8	773.0	736.2	712.7	689.2	672.1	654.9	648.0	641.0
45°	878.3	816.1	753.9	718.4	682.9	658.1	633.4	618.8	604.2	597.8	591.5
47.5°	814.9	757.1	699.4	664.5	629.6	607.3	585.1	573.7	562.3	553.4	544.5
50°	752.7	696.8	641.0	607.3	573.7	554.7	535.6	521.7	507.7	501.4	495.0
52.5°	693.0	642.3	591.5	557.2	522.9	504.5	486.1	474.1	462.0	448.7	435.4
55°	625.8	581.3	536.9	506.4	476.0	456.9	437.9	423.9	410.0	396.0	382.1
57.5°	569.9	526.1	482.3	455.0	427.7	409.3	390.9	375.7	360.5	349.0	337.6
60°	509.0	470.9	432.8	406.2	379.5	361.7	344.0	329.4	314.8	309.1	303.4
62.5°	451.9	416.3	380.8	357.3	333.8	316.7	299.5	290.0	280.5	276.7	272.9
65°	393.5	363.0	332.5	311.0	289.4	274.8	260.2	255.8	251.3	248.1	245.0
67.5°	338.9	312.9	286.9	267.8	248.8	238.6	228.5	223.4	218.3	214.5	210.7
70°	289.4	266.5	243.7	227.2	210.7	201.2	191.7	187.2	182.8	175.8	168.8
72.5°	236.1	218.3	200.5	187.9	175.2	166.9	158.7	149.8	140.9	134.5	128.2
75°	195.5	177.7	159.9	147.9	135.8	126.3	116.8	113.6	110.4	108.5	106.6
77.5°	149.8	134.5	119.3	109.8	100.3	95.8	91.4	89.5	87.6	86.9	86.3
80°	107.9	95.2	82.5	77.4	72.3	71.1	69.8	68.5	67.3	66.6	66.0
82.5°	67.3	60.9	54.6	53.3	52.0	51.4	50.8	50.1	49.5	48.9	48.2
85°	39.3	36.8	34.3	33.6	33.0	32.4	31.7	31.7	31.7	31.7	31.7
87.5°	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	15.9	15.2
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: P832448

CATALOG NUMBER: S123RDP-S1000D950-4F0-1E-UDD-G

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°
0°	3095.7	3095.7	3095.7	3095.7
2.5°	2750.5	2744.2	2741.6	2739.1
5°	2357.7	2338.0	2333.6	2329.1
7.5°	2023.9	2015.6	1988.3	1961.0
10°	1752.9	1727.5	1716.1	1704.6
12.5°	1526.3	1502.8	1499.0	1495.2
15°	1350.5	1334.0	1328.3	1322.6
17.5°	1235.0	1223.6	1216.6	1209.6
20°	1149.3	1141.1	1136.0	1130.9
22.5°	1084.0	1077.6	1073.8	1070.0
25°	1021.1	1011.6	1008.4	1005.3
27.5°	961.5	953.2	950.0	946.9
30°	905.6	898.6	894.2	889.8
32.5°	844.7	836.4	833.9	831.4
35°	790.8	785.7	783.1	780.6
37.5°	733.6	727.3	723.5	719.7
40°	684.8	681.6	679.7	677.8
42.5°	635.3	629.6	628.9	628.3
45°	585.8	580.1	578.8	577.5
47.5°	539.4	534.4	533.7	533.1
50°	488.0	481.1	476.0	470.9
52.5°	429.0	422.7	418.2	413.8
55°	375.1	368.1	364.3	360.5
57.5°	334.5	331.3	329.4	327.5
60°	301.5	299.5	298.3	297.0
62.5°	271.0	269.1	269.1	269.1
65°	243.1	241.2	239.3	237.4
67.5°	206.9	203.1	202.4	201.8
70°	163.1	157.4	156.8	156.1
72.5°	127.6	126.9	125.7	124.4
75°	105.3	104.1	104.1	104.1
77.5°	85.0	83.8	83.8	83.8
80°	65.4	64.7	65.4	66.0
82.5°	48.2	48.2	47.6	47.0
85°	31.1	30.5	30.5	30.5
87.5°	15.2	15.2	15.2	15.2
90°	0.0	0.0	0.0	0.0

TEST NUMBER: P832448

CATALOG NUMBER: S123RDP-S1000D950-4F0-1E-UDD-G

**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	16.89	18.34	17.25	18.66	18.97	21.55	23.01	21.92	23.32	23.63
	3H	18.15	19.45	18.53	19.78	20.14	23.09	24.40	23.47	24.72	25.09
	4H	18.56	19.78	18.96	20.13	20.51	23.61	24.83	24.01	25.18	25.56
	6H	18.87	19.99	19.28	20.36	20.75	23.95	25.07	24.36	25.44	25.83
	8H	18.97	20.04	19.40	20.43	20.84	24.04	25.11	24.47	25.50	25.91
	12H	19.04	20.07	19.47	20.45	20.88	24.09	25.12	24.53	25.50	25.93
4H	2H	17.68	18.90	18.08	19.25	19.63	21.62	22.84	22.02	23.18	23.56
	3H	19.10	20.11	19.51	20.51	20.91	23.32	24.33	23.74	24.73	25.14
	4H	19.58	20.48	20.01	20.90	21.34	23.95	24.86	24.39	25.28	25.72
	6H	19.97	20.76	20.43	21.21	21.67	24.42	25.21	24.88	25.65	26.11
	8H	20.11	20.84	20.57	21.29	21.76	24.56	25.30	25.03	25.74	26.21
	12H	20.21	20.87	20.70	21.35	21.82	24.65	25.31	25.13	25.79	26.26
8H	4H	19.93	20.67	20.40	21.11	21.58	23.96	24.69	24.42	25.14	25.61
	6H	20.41	21.02	20.91	21.51	21.99	24.48	25.08	24.97	25.57	26.05
	8H	20.61	21.15	21.12	21.66	22.15	24.66	25.20	25.18	25.72	26.21
	12H	20.77	21.25	21.28	21.74	22.31	24.81	25.28	25.32	25.78	26.34
12H	4H	19.97	20.62	20.45	21.10	21.58	23.94	24.59	24.42	25.07	25.54
	6H	20.47	21.02	20.99	21.53	22.02	24.45	24.99	24.97	25.51	25.99
	8H	20.72	21.20	21.23	21.69	22.26	24.67	25.15	25.18	25.64	26.21