

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: P832478

Luminaire Tested: S123RDP-S775D840-4F0-1E-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: P832478
 Test Lab: INNOVATION CENTER
 Issue Date: 05/03/2024
 Manufacturer: COOPER LIGHTING SOLUTIONS
 Product Line: NEO-RAY
 Catalog Number: S123RDP-S775D840-4F0-1E-UDD-G
 Description: DEFINE 3 DIRECT PENDANT LED LUMINAIRE
 DOWNLIGHT 775 LUMENS PER FOOT, GRAZE OPTIC

Light Source: -
 Ballast/Driver: -

Summary

Lumens per Lamp: N/A
 Luminaire Lumens: 3342.6 lumens
 Efficiency: N/A
 Efficacy: 129.1 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

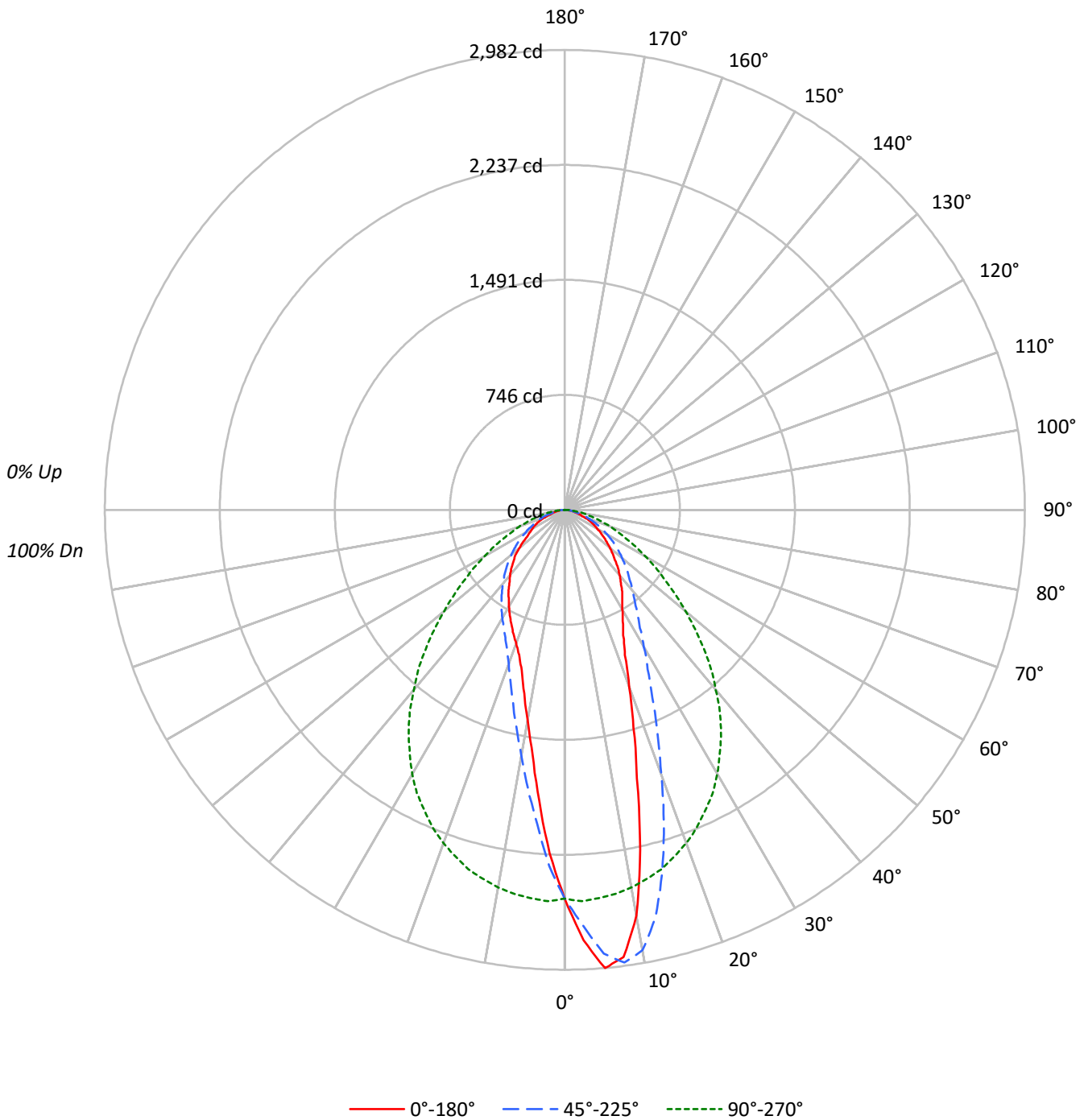
Input Watts (W): 25.9
 Input Voltage (V): 120
 Input Current (Ain): NR
 Voltage Rise (V): NR
 Power Factor: NR
 Total Harmonic Distortion (THDi): NR
 Frequency (hertz): 60
 Stabilization Time: NR
 Operation Time: NR
 Ambient Temperature (°C): NR
 Test Distance: 24 FT

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°	27137	27137	27137	27137	27137
5°	32222	31194	27308	22075	20495
10°	29194	31685	27172	17687	15173
15°	20100	27167	26885	14456	12003
20°	13984	20916	26345	12190	10550
25°	10656	15941	25560	10834	9723
30°	9276	12745	24577	10060	9006
35°	8516	10750	23186	9406	8353
40°	7770	9601	21365	8765	7756
45°	7018	8780	19401	8159	7159
50°	6370	8102	17084	7564	6422
55°	5761	7439	14859	6983	5510
60°	5162	6764	12906	6342	5208
65°	4765	6003	11110	5700	4923
70°	3871	5190	9693	5155	4000
75°	3398	4126	8210	4275	3527
80°	3075	3490	6726	3589	3335
85°	2803	3063	5101	3260	3063

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 80°
 Vertical Angle: 45°
 Luminance: 20471 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	229.8	6.9
10°-20°	531.7	15.9
20°-30°	610.1	18.3
30°-40°	601.4	18.0
40°-50°	530.3	15.9
50°-60°	408.0	12.2
60°-70°	268.2	8.0
70°-80°	130.3	3.9
80°-90°	32.8	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°	1371.6	41.0
0°-40°	1973.0	59.0
0°-60°	2911.3	87.1
0°-90°	3342.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3342.6	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2521	2521	2521	2521	2521	
5°	2982	2887	2527	2043	1897	272
15°	1804	2438	2413	1297	1077	509
25°	897	1342	2152	912	819	424
35°	648	818	1764	716	636	404
45°	461	577	1274	536	470	358
55°	307	396	792	372	294	275
65°	187	236	436	224	193	183
75°	82	99	197	103	85	88
85°	23	25	41	26	25	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°	2521.1	2521.1	2521.1	2521.1	2521.1	2521.1	2521.1	2521.1	2521.1	2521.1	2521.1
2.5°	2794.0	2785.2	2776.4	2773.8	2771.2	2763.0	2754.7	2736.1	2717.5	2698.4	2679.3
5°	2982.1	2983.1	2984.2	2981.6	2979.0	2968.2	2957.3	2934.6	2911.8	2887.0	2862.2
7.5°	2924.2	2940.8	2957.3	2960.4	2963.5	2971.8	2980.0	2974.9	2969.7	2960.4	2951.1
10°	2671.0	2669.9	2668.9	2687.5	2706.1	2761.4	2816.7	2845.2	2873.6	2898.9	2924.2
12.5°	2257.5	2259.1	2260.6	2321.6	2382.6	2434.8	2487.0	2559.3	2631.7	2709.7	2787.8
15°	1803.7	1829.1	1854.4	1908.7	1962.9	2041.5	2120.0	2217.2	2314.4	2437.9	2561.4
17.5°	1481.2	1492.1	1502.9	1555.1	1607.3	1681.8	1756.2	1866.3	1976.4	2135.5	2294.7
20°	1220.8	1230.6	1240.4	1278.1	1315.9	1387.2	1458.5	1563.4	1668.3	1826.0	1983.6
22.5°	1019.2	1038.3	1057.4	1082.8	1108.1	1159.8	1211.5	1318.4	1425.4	1569.1	1712.8
25°	897.2	906.0	914.8	936.5	958.2	1007.8	1057.4	1128.2	1199.0	1342.2	1485.4
27.5°	814.5	817.1	819.7	835.7	851.7	883.8	915.8	981.5	1047.1	1164.9	1282.8
30°	746.3	751.0	755.6	768.0	780.4	803.7	826.9	873.4	920.0	1025.4	1130.8
32.5°	693.6	696.2	698.8	709.1	719.4	736.5	753.5	790.2	826.9	907.6	988.2
35°	648.1	648.6	649.1	656.9	664.6	681.2	697.7	728.2	758.7	818.1	877.6
37.5°	596.4	600.0	603.7	609.3	615.0	629.5	644.0	668.8	693.6	742.7	791.8
40°	553.0	556.1	559.2	565.9	572.6	584.0	595.4	618.1	640.9	683.3	725.6
42.5°	509.6	511.7	513.7	520.4	527.2	541.1	555.1	573.2	591.3	626.4	661.5
45°	461.0	466.2	471.3	478.6	485.8	497.7	509.6	528.2	546.8	576.8	606.8
47.5°	420.7	423.3	425.9	432.1	438.3	452.7	467.2	483.8	500.3	528.2	556.1
50°	380.4	381.4	382.5	388.1	393.8	406.7	419.7	438.8	457.9	483.8	509.6
52.5°	342.1	344.7	347.3	353.0	358.7	367.5	376.3	395.9	415.5	440.9	466.2
55°	307.0	308.5	310.1	314.2	318.4	328.7	339.0	356.1	373.2	396.4	419.7
57.5°	273.9	276.0	278.1	281.2	284.3	293.6	302.9	317.9	332.8	356.1	379.4
60°	239.8	242.4	245.0	248.6	252.2	259.4	266.7	280.1	293.6	314.2	334.9
62.5°	215.0	215.5	216.0	219.1	222.2	227.4	232.6	243.4	254.3	275.0	295.6
65°	187.1	188.6	190.2	191.7	193.3	197.4	201.6	210.9	220.2	235.7	251.2
67.5°	158.2	159.7	161.3	163.8	166.4	170.0	173.7	179.9	186.1	200.5	215.0
70°	123.0	123.0	123.0	127.1	131.3	137.5	143.7	148.3	153.0	164.9	176.8
72.5°	100.3	100.8	101.3	101.8	102.3	106.0	109.6	117.3	125.1	132.3	139.5
75°	81.7	82.2	82.7	83.2	83.7	84.8	85.8	88.4	91.0	99.2	107.5
77.5°	65.1	65.6	66.2	66.7	67.2	68.2	69.3	70.3	71.3	74.4	77.5
80°	49.6	50.1	50.6	51.2	51.7	52.2	52.7	53.8	54.8	56.3	57.9
82.5°	36.2	36.2	36.2	36.2	36.2	37.2	38.2	38.2	38.2	39.3	40.3
85°	22.7	22.7	22.7	23.3	23.8	23.8	23.8	24.3	24.8	24.8	24.8
87.5°	10.3	9.8	9.3	9.8	10.3	10.3	10.3	10.9	11.4	11.4	11.4
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	2521.1	2521.1	2521.1	2521.1	2521.1	2521.1	2521.1	2521.1	2521.1	2521.1	2521.1
2.5°	2676.7	2674.1	2649.3	2624.5	2600.2	2575.9	2557.8	2539.7	2509.2	2478.7	2459.6
5°	2842.6	2822.9	2783.7	2744.4	2685.5	2626.5	2576.9	2527.3	2464.3	2401.2	2348.5
7.5°	2935.1	2919.1	2871.5	2824.0	2745.9	2667.9	2590.4	2512.8	2419.8	2326.8	2247.2
10°	2937.7	2951.1	2911.8	2872.5	2784.7	2696.8	2591.4	2486.0	2360.9	2235.8	2133.0
12.5°	2845.7	2903.6	2895.3	2887.0	2797.6	2708.2	2580.0	2451.8	2298.3	2144.8	2016.2
15°	2673.6	2785.7	2818.8	2851.9	2778.0	2704.1	2558.3	2412.6	2232.2	2051.8	1904.0
17.5°	2451.8	2609.0	2696.3	2783.7	2729.9	2676.2	2516.4	2356.7	2153.6	1950.5	1789.8
20°	2189.3	2395.0	2532.0	2668.9	2649.3	2629.6	2464.8	2299.9	2080.8	1861.6	1687.5
22.5°	1929.8	2146.9	2336.1	2525.2	2545.4	2565.5	2399.1	2232.7	1992.9	1753.1	1575.8
25°	1706.1	1926.7	2152.1	2377.4	2422.9	2468.4	2310.2	2152.1	1903.5	1654.9	1478.7
27.5°	1492.6	1702.4	1950.5	2198.6	2281.3	2364.0	2219.3	2074.6	1815.6	1556.7	1381.0
30°	1318.4	1506.0	1759.3	2012.5	2127.8	2243.0	2110.2	1977.4	1720.5	1463.7	1291.6
32.5°	1156.2	1324.1	1578.4	1832.7	1966.5	2100.4	1985.7	1870.9	1623.9	1376.8	1206.8
35°	1028.0	1178.4	1415.6	1652.8	1802.7	1952.6	1858.5	1764.5	1523.1	1281.7	1121.0
37.5°	917.9	1044.0	1266.8	1489.5	1648.7	1807.9	1729.3	1650.8	1423.9	1197.0	1045.0
40°	826.9	928.2	1135.5	1342.7	1498.8	1654.9	1587.7	1520.5	1317.4	1114.3	972.2
42.5°	748.9	836.2	1022.3	1208.4	1351.5	1494.7	1450.2	1405.8	1221.8	1037.8	906.0
45°	680.1	753.5	917.4	1081.2	1213.0	1344.8	1309.6	1274.5	1115.8	957.2	836.2
47.5°	619.2	682.2	828.5	974.7	1093.1	1211.5	1178.9	1146.3	1015.1	883.8	773.7
50°	563.3	617.1	739.1	861.0	967.5	1074.0	1047.1	1020.2	911.7	803.2	708.1
52.5°	510.6	555.1	664.6	774.2	860.0	945.8	925.1	904.5	820.7	737.0	650.7
55°	460.5	501.3	593.8	686.4	759.7	833.1	812.5	791.8	726.7	661.5	585.6
57.5°	415.0	450.7	525.6	600.6	659.0	717.4	707.5	697.7	643.5	589.2	526.7
60°	366.9	399.0	463.6	528.2	575.2	622.3	610.9	599.5	560.8	522.0	468.2
62.5°	324.1	352.5	404.2	455.8	494.1	532.3	524.1	515.8	486.3	456.9	412.4
65°	279.1	307.0	348.9	390.7	420.7	450.7	443.4	436.2	414.0	391.8	356.1
67.5°	238.3	261.5	297.7	333.9	354.0	374.2	370.1	365.9	348.9	331.8	303.9
70°	196.9	217.1	247.0	277.0	291.0	304.9	306.5	308.0	292.5	277.0	256.3
72.5°	155.6	171.6	199.5	227.4	238.3	249.1	248.6	248.1	238.8	229.5	210.9
75°	119.4	131.3	153.0	174.7	184.0	193.3	195.4	197.4	188.6	179.9	169.5
77.5°	85.8	94.1	110.6	127.1	137.5	147.8	148.8	149.9	145.7	141.6	131.8
80°	60.5	63.1	73.4	83.7	94.6	105.4	107.0	108.5	104.4	100.3	94.1
82.5°	41.9	43.4	47.0	50.6	59.4	68.2	70.3	72.4	70.3	68.2	61.5
85°	25.3	25.8	27.4	28.9	33.1	37.2	39.3	41.3	40.3	39.3	35.7
87.5°	11.4	11.4	11.9	12.4	13.4	14.5	17.1	19.6	18.1	16.5	15.0
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	2521.1	2521.1	2521.1	2521.1	2521.1	2521.1	2521.1	2521.1	2521.1	2521.1	2521.1
2.5°	2440.5	2411.0	2381.6	2360.4	2339.2	2312.8	2286.5	2285.4	2284.4	2264.8	2245.1
5°	2295.8	2244.6	2193.4	2143.3	2093.2	2043.0	1992.9	1981.5	1970.2	1953.1	1936.0
7.5°	2167.6	2085.9	2004.3	1940.2	1876.1	1826.0	1775.8	1741.7	1707.6	1681.3	1654.9
10°	2030.1	1928.8	1827.5	1750.0	1672.5	1618.2	1563.9	1524.7	1485.4	1466.8	1448.2
12.5°	1887.5	1777.4	1667.3	1591.3	1515.3	1450.2	1385.1	1349.4	1313.8	1287.9	1262.1
15°	1756.2	1637.8	1519.5	1438.9	1358.2	1297.2	1236.3	1200.6	1164.9	1139.1	1113.3
17.5°	1629.1	1509.7	1390.3	1308.6	1227.0	1171.7	1116.4	1081.7	1047.1	1031.1	1015.1
20°	1513.3	1392.9	1272.4	1195.4	1118.4	1064.2	1009.9	991.3	972.7	957.7	942.7
22.5°	1398.5	1282.8	1167.0	1093.1	1019.2	979.9	940.6	925.6	910.7	899.3	887.9
25°	1302.4	1187.2	1071.9	1007.3	942.7	912.2	881.7	871.9	862.1	850.7	839.3
27.5°	1205.2	1095.7	986.1	934.4	882.7	857.9	833.1	820.7	808.3	799.0	789.7
30°	1119.5	1018.2	916.9	874.0	831.1	809.4	787.7	774.2	760.8	752.0	743.2
32.5°	1036.8	946.8	856.9	820.2	783.5	762.3	741.1	728.2	715.3	705.0	694.6
35°	960.3	882.2	804.2	770.6	737.0	715.8	694.6	681.7	668.8	658.4	648.1
37.5°	893.1	822.3	751.5	719.9	688.4	669.8	651.2	637.8	624.3	613.5	602.6
40°	830.0	767.5	705.0	674.5	644.0	623.8	603.7	591.8	579.9	570.1	560.2
42.5°	774.2	716.8	659.5	629.5	599.5	580.4	561.3	547.3	533.4	527.7	522.0
45°	715.3	664.6	614.0	585.1	556.1	536.0	515.8	503.9	492.0	486.9	481.7
47.5°	663.6	616.6	569.5	541.1	512.7	494.6	476.5	467.2	457.9	450.7	443.4
50°	613.0	567.5	522.0	494.6	467.2	451.7	436.2	424.8	413.5	408.3	403.1
52.5°	564.4	523.0	481.7	453.8	425.9	410.9	395.9	386.1	376.3	365.4	354.5
55°	509.6	473.4	437.2	412.4	387.6	372.1	356.6	345.2	333.9	322.5	311.1
57.5°	464.1	428.5	392.8	370.6	348.3	333.4	318.4	306.0	293.6	284.3	275.0
60°	414.5	383.5	352.5	330.8	309.1	294.6	280.1	268.2	256.3	251.7	247.0
62.5°	368.0	339.0	310.1	291.0	271.9	257.9	243.9	236.2	228.4	225.3	222.2
65°	320.4	295.6	270.8	253.2	235.7	223.8	211.9	208.3	204.7	202.1	199.5
67.5°	276.0	254.8	233.6	218.1	202.6	194.3	186.1	181.9	177.8	174.7	171.6
70°	235.7	217.1	198.5	185.0	171.6	163.8	156.1	152.5	148.8	143.2	137.5
72.5°	192.3	177.8	163.3	153.0	142.6	135.9	129.2	122.0	114.7	109.6	104.4
75°	159.2	144.7	130.2	120.4	110.6	102.8	95.1	92.5	89.9	88.4	86.8
77.5°	122.0	109.6	97.2	89.4	81.7	78.0	74.4	72.9	71.3	70.8	70.3
80°	87.9	77.5	67.2	63.1	58.9	57.9	56.9	55.8	54.8	54.3	53.8
82.5°	54.8	49.6	44.4	43.4	42.4	41.9	41.3	40.8	40.3	39.8	39.3
85°	32.0	30.0	27.9	27.4	26.9	26.4	25.8	25.8	25.8	25.8	25.8
87.5°	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	12.9	12.4
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):

	165°	170°	175°	180°
0°	2521.1	2521.1	2521.1	2521.1
2.5°	2239.9	2234.8	2232.7	2230.6
5°	1920.0	1904.0	1900.4	1896.8
7.5°	1648.2	1641.5	1619.2	1597.0
10°	1427.5	1406.8	1397.5	1388.2
12.5°	1243.0	1223.9	1220.8	1217.7
15°	1099.8	1086.4	1081.7	1077.1
17.5°	1005.8	996.5	990.8	985.1
20°	936.0	929.3	925.1	921.0
22.5°	882.7	877.6	874.5	871.4
25°	831.6	823.8	821.2	818.7
27.5°	783.0	776.3	773.7	771.1
30°	737.5	731.8	728.2	724.6
32.5°	687.9	681.2	679.1	677.0
35°	644.0	639.8	637.8	635.7
37.5°	597.5	592.3	589.2	586.1
40°	557.7	555.1	553.5	552.0
42.5°	517.3	512.7	512.2	511.7
45°	477.0	472.4	471.3	470.3
47.5°	439.3	435.2	434.7	434.1
50°	397.4	391.8	387.6	383.5
52.5°	349.4	344.2	340.6	337.0
55°	305.4	299.8	296.7	293.6
57.5°	272.4	269.8	268.2	266.7
60°	245.5	243.9	242.9	241.9
62.5°	220.7	219.1	219.1	219.1
65°	197.9	196.4	194.8	193.3
67.5°	168.5	165.4	164.9	164.4
70°	132.8	128.2	127.7	127.1
72.5°	103.9	103.4	102.3	101.3
75°	85.8	84.8	84.8	84.8
77.5°	69.3	68.2	68.2	68.2
80°	53.2	52.7	53.2	53.8
82.5°	39.3	39.3	38.8	38.2
85°	25.3	24.8	24.8	24.8
87.5°	12.4	12.4	12.4	12.4
90°	0.0	0.0	0.0	0.0

TEST NUMBER: P832478

CATALOG NUMBER: S123RDP-S775D840-4F0-1E-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	16.17	17.63	16.54	17.94	18.26	20.84	22.29	21.20	22.61	22.92
	3H	17.44	18.74	17.81	19.07	19.43	22.38	23.68	22.76	24.01	24.37
	4H	17.85	19.07	18.25	19.42	19.79	22.90	24.12	23.30	24.46	24.84
	6H	18.16	19.28	18.57	19.65	20.04	23.24	24.36	23.65	24.73	25.12
	8H	18.26	19.33	18.69	19.72	20.12	23.33	24.40	23.76	24.79	25.19
	12H	18.33	19.35	18.76	19.73	20.16	23.38	24.40	23.81	24.79	25.22
4H	2H	16.97	18.19	17.37	18.54	18.91	20.90	22.12	21.30	22.47	22.85
	3H	18.39	19.40	18.80	19.80	20.20	22.61	23.62	23.02	24.02	24.42
	4H	18.86	19.77	19.30	20.19	20.63	23.24	24.15	23.67	24.56	25.00
	6H	19.26	20.05	19.72	20.49	20.95	23.71	24.49	24.17	24.94	25.40
	8H	19.40	20.13	19.86	20.58	21.05	23.85	24.58	24.31	25.03	25.50
	12H	19.50	20.15	19.98	20.63	21.11	23.94	24.59	24.42	25.07	25.54
8H	4H	19.22	19.95	19.68	20.40	20.87	23.25	23.98	23.71	24.43	24.89
	6H	19.70	20.31	20.20	20.80	21.28	23.76	24.37	24.26	24.86	25.34
	8H	19.90	20.44	20.41	20.95	21.44	23.95	24.49	24.47	25.00	25.49
	12H	20.06	20.54	20.57	21.03	21.60	24.09	24.57	24.60	25.06	25.63
12H	4H	19.26	19.91	19.74	20.39	20.86	23.22	23.88	23.71	24.36	24.83
	6H	19.76	20.30	20.28	20.81	21.30	23.74	24.28	24.25	24.79	25.28
	8H	20.01	20.48	20.52	20.98	21.54	23.96	24.44	24.47	24.93	25.50