

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: P242405

Luminaire Tested: S122RDRP-S865D840-X4F0-XX-UDD-A-W

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2024
Report Number: P242405
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1802-639-29)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S122RDRP-S865D840-X4F0-XX-UDD-A-W
Description: DEFINE 2 REGRESSED DIRECT RECESSED WITH ASYMMETRIC FLUSH DIFFUSER
STANDARD LIGHT ENGINE
Light Source: (92) 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

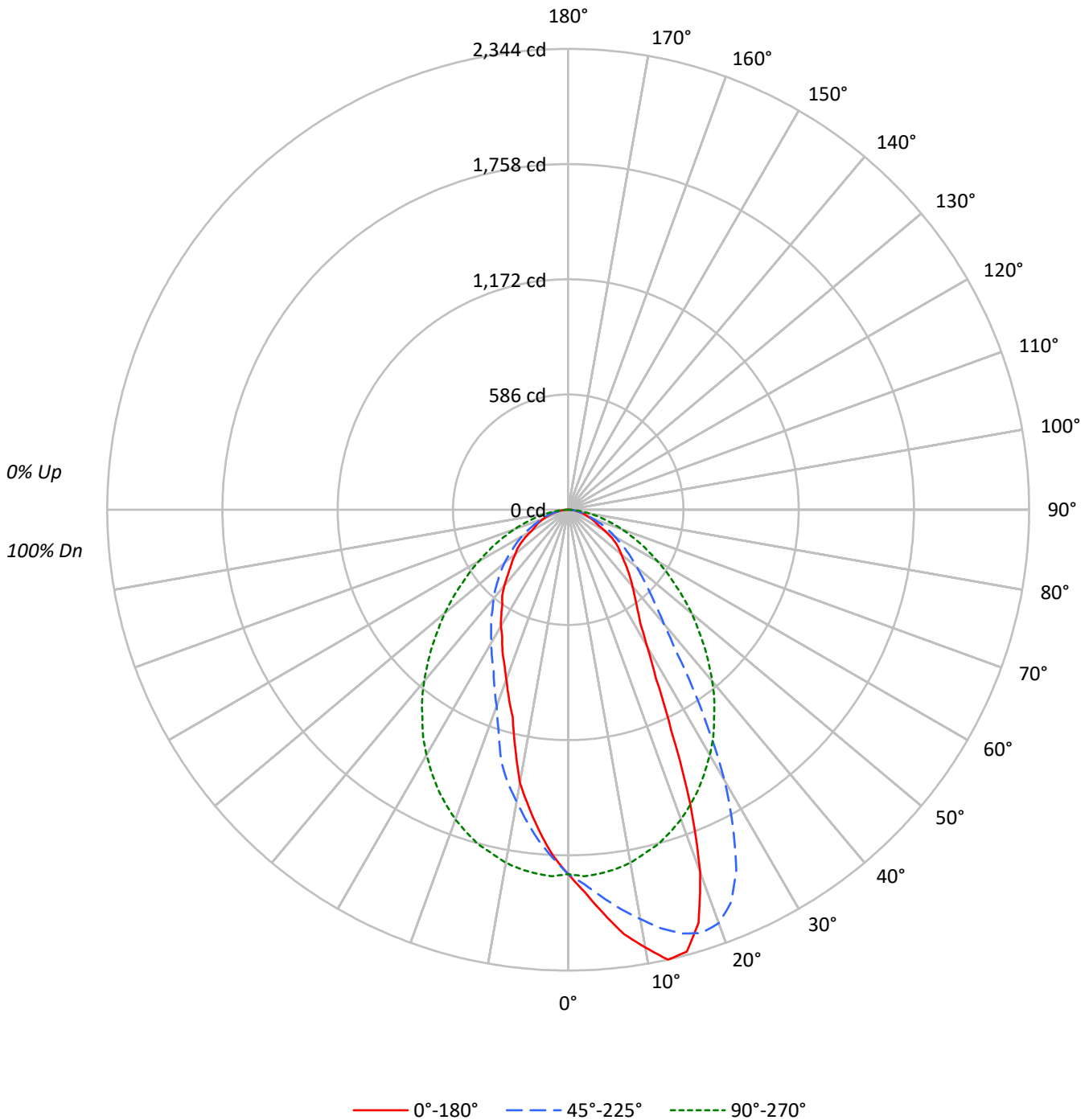
Lumens per Lamp: N/A
Luminaire Lumens: 3202.5 lumens
Efficiency: N/A
Efficacy: 92.0 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 1.16 / 1.02
Luminous Opening: Rectangular (W 3.88' x L: 0.15' x H: 0')
CIE Type: Direct

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			
1	111	106	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	72	92	84	77	72	81	75	71	78	73	69	76	72	68					66				
4	87	77	69	63	85	76	68	63	73	67	62	71	66	61	69	64	60					59				
5	81	70	62	56	79	69	61	56	67	60	55	65	59	55	63	58	54					52				
6	76	64	56	50	74	63	55	50	61	54	49	60	54	49	58	53	49					47				
7	71	59	51	45	69	58	50	45	56	50	45	55	49	44	54	48	44					42				
8	66	54	46	41	65	53	46	41	52	45	41	51	45	40	50	44	40					39				
9	62	50	43	38	61	50	42	37	49	42	37	47	41	37	47	41	37					35				
10	59	47	39	35	58	46	39	35	45	39	34	44	38	34	44	38	34					33				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	35301	35301	35301	35301	35301
5°	39424	37799	35522	32369	31495
10°	43741	40890	35273	29169	27301
15°	45892	44012	34756	26018	21510
20°	39786	45373	33989	21551	18614
25°	26092	42509	32942	18867	16620
30°	17563	34997	31670	17180	15042
35°	14226	25560	30066	15842	13566
40°	12649	18783	28324	14618	12554
45°	11448	15613	26280	13547	11206
50°	10419	13530	24255	12517	10380
55°	9793	11975	22004	11311	9667
60°	8194	10427	19943	10377	8095
65°	6909	9289	18109	9230	7838
70°	6382	7390	16173	8142	7390
75°	5969	6682	14079	7676	6822
80°	5507	6077	11583	6713	6077
85°	5070	5201	9157	5354	5354

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 70°
 Vertical Angle: 45°
 Luminance: 38284 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	175.8	5.5
10°-20°	490.6	15.3
20°-30°	631.5	19.7
30°-40°	599.0	18.7
40°-50°	513.3	16.0
50°-60°	391.0	12.2
60°-70°	246.6	7.7
70°-80°	123.1	3.8
80°-90°	31.6	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°	1297.9	40.5
0°-40°	1896.9	59.2
0°-60°	2801.2	87.5
0°-90°	3202.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3202.5	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1853	1853	1853	1853	1853	
5°	2062	1977	1858	1693	1647	203
15°	2327	2232	1762	1319	1091	633
25°	1242	2023	1567	898	791	586
35°	612	1099	1293	681	583	389
45°	425	580	976	503	416	329
55°	295	361	663	341	291	260
65°	153	206	402	205	174	155
75°	81	91	191	104	93	86
85°	23	24	42	24	24	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°	1853.3	1853.3	1853.3	1853.3	1853.3	1853.3	1853.3	1853.3	1853.3	1853.3	1853.3
2.5°	1947.3	1949.2	1951.2	1946.7	1946.7	1942.8	1934.4	1928.0	1909.9	1907.4	1907.4
5°	2061.9	2060.6	2063.2	2054.8	2043.2	2040.7	2028.4	2012.3	1995.6	1976.9	1973.1
7.5°	2177.8	2170.1	2166.9	2170.7	2158.5	2141.8	2121.2	2101.8	2072.9	2049.0	2034.2
10°	2261.5	2282.8	2269.9	2247.4	2251.9	2221.6	2205.5	2177.8	2154.7	2114.1	2105.1
12.5°	2344.0	2349.1	2347.2	2336.9	2328.5	2309.8	2286.7	2263.5	2215.8	2180.4	2143.1
15°	2327.2	2339.5	2342.7	2338.8	2342.0	2340.8	2329.2	2309.2	2271.8	2231.9	2197.2
17.5°	2203.6	2217.8	2229.3	2239.7	2255.7	2287.3	2297.0	2300.8	2285.4	2257.0	2228.1
20°	1962.8	1948.6	2007.8	2038.1	2063.9	2128.2	2183.6	2204.9	2239.0	2238.4	2231.9
22.5°	1621.5	1629.2	1684.6	1721.9	1809.5	1873.9	1938.9	2033.6	2107.6	2162.4	2195.9
25°	1241.5	1266.0	1322.0	1371.0	1454.7	1574.5	1683.3	1809.5	1928.6	2022.6	2112.1
27.5°	965.9	969.1	1020.0	1069.6	1121.1	1224.8	1370.3	1521.6	1691.7	1814.0	1968.5
30°	798.5	794.6	813.3	841.0	883.5	959.5	1062.5	1210.6	1380.0	1591.2	1779.2
32.5°	680.0	681.3	694.2	712.9	746.3	791.4	853.9	967.2	1125.0	1331.7	1560.3
35°	611.8	611.1	621.4	636.2	651.0	683.9	732.2	795.3	905.4	1099.2	1324.6
37.5°	555.1	558.3	562.8	572.5	590.5	609.8	640.1	684.5	768.2	888.6	1090.8
40°	508.7	510.0	517.1	524.8	534.5	548.6	572.5	606.6	663.9	755.4	893.8
42.5°	466.2	467.5	472.0	479.1	486.2	500.3	519.0	547.4	591.1	657.5	765.7
45°	425.0	425.0	429.5	432.7	441.1	454.0	470.1	494.6	526.7	579.6	655.5
47.5°	385.1	385.1	388.3	394.1	399.9	410.2	426.9	447.5	470.7	513.9	581.5
50°	351.6	352.2	354.2	358.7	361.9	370.9	383.1	400.5	425.0	456.6	510.7
52.5°	324.5	323.9	326.5	327.8	329.7	335.5	343.9	358.7	379.9	406.3	448.8
55°	294.9	292.4	296.2	299.4	301.4	303.9	309.1	318.8	337.4	360.6	394.1
57.5°	260.2	258.9	260.8	264.0	269.8	276.3	279.5	285.9	295.6	313.6	349.0
60°	215.1	215.1	220.9	222.8	229.9	238.9	247.9	253.1	262.7	273.7	298.1
62.5°	175.2	175.8	177.7	179.7	182.9	194.5	208.0	220.9	229.9	240.2	254.4
65°	153.3	154.5	154.5	155.8	158.4	161.0	166.1	175.2	191.3	206.1	218.3
67.5°	133.9	133.9	134.6	135.9	136.5	139.7	141.7	146.2	149.4	166.1	182.9
70°	114.6	116.6	115.9	117.2	117.8	119.1	121.7	123.6	129.4	132.7	141.7
72.5°	96.6	97.9	97.9	98.5	100.5	100.5	102.4	104.3	107.5	110.1	114.0
75°	81.1	80.5	81.1	82.4	83.1	83.7	83.7	86.3	88.2	90.8	94.0
77.5°	65.7	66.3	66.3	66.3	66.3	67.6	67.6	68.9	70.8	72.1	74.1
80°	50.2	50.9	50.2	50.9	51.5	52.2	51.5	52.2	54.1	55.4	55.4
82.5°	36.1	36.1	36.7	36.7	36.7	36.7	38.0	38.0	39.3	38.6	39.3
85°	23.2	22.5	22.5	22.5	23.2	23.8	23.2	23.2	23.8	23.8	23.8
87.5°	10.3	10.9	10.9	10.9	10.9	10.9	10.9	11.6	10.9	11.6	10.9
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°	1853.3	1853.3	1853.3	1853.3	1853.3	1853.3	1853.3	1853.3	1853.3	1853.3	1853.3
2.5°	1908.7	1903.5	1899.0	1887.4	1881.6	1868.7	1866.8	1866.2	1849.4	1833.3	1828.8
5°	1962.8	1952.5	1937.0	1919.0	1900.3	1881.0	1868.1	1857.8	1832.0	1807.6	1793.4
7.5°	2016.2	1997.5	1973.1	1942.1	1915.7	1884.8	1863.6	1844.3	1808.9	1776.7	1755.4
10°	2077.4	2041.3	2005.9	1958.9	1922.2	1886.1	1852.6	1823.7	1782.4	1736.1	1703.2
12.5°	2115.4	2074.8	2022.6	1976.9	1926.7	1878.4	1830.7	1791.5	1741.2	1692.9	1652.4
15°	2148.9	2106.4	2047.1	1981.4	1920.3	1860.4	1808.9	1762.5	1699.4	1642.1	1594.4
17.5°	2179.8	2121.2	2060.0	1984.0	1916.4	1843.6	1778.6	1720.6	1651.7	1584.1	1530.0
20°	2193.3	2135.3	2061.9	1985.9	1902.2	1812.7	1741.2	1676.8	1601.5	1526.2	1461.8
22.5°	2184.9	2143.1	2059.3	1964.7	1878.4	1783.7	1700.7	1623.4	1537.7	1460.5	1383.2
25°	2141.1	2125.7	2048.4	1949.2	1851.4	1742.5	1649.2	1567.4	1472.1	1389.6	1308.5
27.5°	2060.6	2083.2	2028.4	1920.9	1815.3	1698.1	1596.3	1504.3	1407.0	1314.9	1233.8
30°	1933.1	2009.8	1989.2	1891.3	1769.6	1654.9	1537.1	1439.9	1334.3	1239.0	1159.1
32.5°	1758.6	1897.7	1928.0	1850.1	1723.2	1594.4	1469.5	1372.9	1261.5	1159.8	1082.5
35°	1571.2	1760.6	1847.5	1795.3	1669.1	1533.2	1405.7	1293.0	1182.3	1083.1	1005.8
37.5°	1349.1	1601.5	1735.4	1729.6	1609.2	1470.8	1332.3	1220.9	1106.9	1009.1	928.6
40°	1134.0	1413.5	1602.1	1644.0	1546.1	1393.5	1253.1	1139.1	1028.4	933.1	837.1
42.5°	940.8	1219.0	1461.8	1542.3	1469.5	1318.2	1177.1	1056.7	949.8	861.0	762.4
45°	792.1	1035.5	1291.1	1421.2	1378.0	1237.7	1088.9	975.6	874.5	796.6	702.5
47.5°	685.8	862.9	1119.8	1289.8	1284.7	1151.4	1003.3	894.4	799.1	727.0	647.2
50°	597.6	747.0	956.3	1155.9	1172.6	1065.1	926.0	818.5	730.9	654.3	593.1
52.5°	518.4	634.9	817.8	1007.1	1062.5	973.0	839.1	741.8	657.5	588.6	538.3
55°	451.4	546.7	689.7	868.7	940.8	875.1	755.4	662.6	593.7	534.5	489.4
57.5°	392.8	467.5	586.6	736.7	818.5	774.0	671.6	595.0	533.8	478.5	442.4
60°	338.1	396.7	493.9	614.3	707.1	678.1	593.7	523.5	473.3	426.9	393.5
62.5°	286.6	334.9	414.7	506.8	589.9	582.1	517.1	461.1	418.6	377.4	350.3
65°	238.9	275.6	340.6	417.3	485.5	491.3	441.7	401.8	362.5	329.1	303.9
67.5°	197.7	222.8	271.7	339.4	391.5	409.6	376.1	343.9	311.7	284.6	262.1
70°	160.3	179.7	213.1	265.3	312.3	331.6	314.2	290.4	263.4	242.1	223.4
72.5°	122.4	141.0	163.6	198.3	237.0	258.2	255.0	239.5	218.9	202.2	184.8
75°	97.9	103.7	120.4	146.2	177.7	195.8	200.3	191.3	173.9	160.3	150.0
77.5°	76.0	79.8	88.9	104.3	126.2	142.3	149.4	148.1	135.2	126.2	116.6
80°	58.0	59.9	63.8	69.5	85.0	101.1	105.6	105.6	97.2	94.0	84.4
82.5°	40.6	41.9	43.8	46.4	51.5	65.0	70.2	71.5	67.0	62.5	55.4
85°	25.1	24.5	25.8	27.7	29.0	32.8	40.6	41.9	40.6	35.4	33.5
87.5°	10.9	11.6	11.6	10.9	11.6	12.2	15.5	18.7	16.1	14.2	12.9
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°	1853.3	1853.3	1853.3	1853.3	1853.3	1853.3	1853.3	1853.3	1853.3	1853.3	1853.3
2.5°	1820.4	1815.9	1807.6	1794.7	1787.0	1773.4	1764.4	1769.6	1770.9	1769.6	1768.3
5°	1777.9	1764.4	1745.7	1727.7	1711.0	1692.9	1682.6	1678.1	1669.1	1664.0	1661.4
7.5°	1729.6	1709.7	1683.3	1654.3	1627.3	1601.5	1589.9	1580.9	1564.1	1555.1	1546.8
10°	1674.3	1637.6	1611.2	1569.9	1544.8	1508.1	1483.0	1483.7	1458.5	1444.4	1434.1
12.5°	1613.1	1571.9	1523.6	1487.5	1450.2	1422.5	1390.9	1375.5	1348.4	1334.9	1302.7
15°	1544.2	1497.2	1450.8	1400.6	1365.2	1319.4	1275.7	1222.2	1179.1	1141.7	1131.4
17.5°	1470.8	1412.8	1367.1	1315.6	1260.2	1177.1	1123.0	1090.2	1064.4	1045.1	1029.7
20°	1394.8	1335.5	1286.0	1197.1	1115.3	1063.2	1025.8	1002.0	974.9	953.7	942.1
22.5°	1314.9	1252.5	1180.4	1078.6	1019.4	980.1	947.9	919.6	903.5	888.0	877.7
25°	1240.2	1172.6	1061.2	993.0	941.5	897.7	874.5	857.7	838.4	815.9	805.6
27.5°	1162.3	1054.8	970.4	920.8	868.0	840.4	820.4	792.7	775.3	766.9	755.4
30°	1072.8	965.3	902.8	847.4	812.7	781.1	756.6	742.5	725.7	708.3	701.3
32.5°	973.0	892.5	833.3	789.5	754.1	728.3	710.3	685.2	674.2	665.2	648.5
35°	893.8	828.8	774.0	736.7	703.2	681.3	658.8	645.2	623.3	614.3	608.5
37.5°	821.7	765.0	723.8	682.6	656.8	631.1	618.2	595.7	587.3	573.1	561.5
40°	762.4	707.1	667.8	635.6	606.0	587.9	570.5	553.2	539.0	533.2	518.4
42.5°	701.9	659.4	620.1	584.1	566.7	547.4	524.2	512.6	497.8	487.5	479.7
45°	647.2	607.2	573.8	544.8	522.9	502.9	488.8	467.5	459.1	440.5	432.7
47.5°	598.9	560.2	528.0	499.7	477.8	466.2	445.6	426.9	415.3	402.5	391.5
50°	546.7	515.8	484.9	460.4	441.1	422.4	401.2	392.8	372.2	366.4	360.6
52.5°	499.1	470.1	442.4	418.6	399.2	381.2	363.2	351.6	339.4	333.6	329.7
55°	455.3	426.9	399.9	378.6	359.3	340.6	329.1	315.5	309.1	304.6	299.4
57.5°	410.2	384.4	363.2	341.3	322.0	306.5	292.4	284.6	278.2	273.0	266.0
60°	367.7	343.2	324.5	304.6	284.6	272.4	262.1	252.4	244.7	235.7	233.1
62.5°	322.6	302.0	285.3	266.0	249.2	238.3	228.6	219.6	209.9	195.8	191.9
65°	282.0	265.3	247.3	231.2	215.7	204.8	190.6	180.3	176.4	175.2	174.5
67.5°	244.7	228.6	213.1	196.4	182.2	170.0	161.6	160.3	157.8	157.1	155.2
70°	207.4	192.5	177.1	161.6	148.1	146.2	143.6	141.0	137.8	136.5	135.2
72.5°	173.9	158.4	143.0	131.4	127.5	124.9	122.4	119.8	117.8	116.6	115.9
75°	138.4	124.3	114.0	109.5	106.3	104.3	100.5	98.5	97.2	95.3	94.7
77.5°	105.6	96.6	91.4	88.9	85.0	83.1	80.5	78.6	76.6	76.6	75.3
80°	76.0	72.1	68.9	65.0	63.8	61.2	60.5	58.6	59.2	57.3	57.3
82.5°	54.7	49.6	47.0	45.7	44.4	42.5	41.9	41.2	41.2	39.9	39.9
85°	30.3	29.0	27.7	26.4	26.4	24.5	25.1	24.5	24.5	23.2	22.5
87.5°	12.2	11.6	10.3	10.3	10.3	9.7	9.7	9.0	9.0	9.0	8.4
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: P242405

CATALOG NUMBER: S122RDRP-S865D840-X4F0-XX-UDD-A-W

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	1853.3	1853.3	1853.3	1853.3
2.5°	1761.2	1762.5	1760.6	1761.8
5°	1658.2	1650.4	1649.2	1647.2
7.5°	1536.5	1535.8	1532.0	1527.4
10°	1419.9	1416.7	1416.0	1411.5
12.5°	1283.4	1258.3	1255.7	1242.8
15°	1116.0	1112.1	1099.2	1090.8
17.5°	1022.6	1009.7	1005.2	1003.3
20°	933.1	921.5	919.6	918.3
22.5°	871.3	859.0	853.2	848.7
25°	799.1	794.6	792.1	790.8
27.5°	742.5	730.9	729.6	726.4
30°	695.5	692.2	687.7	683.9
32.5°	640.1	637.5	633.6	632.4
35°	602.1	593.1	589.2	583.4
37.5°	560.2	555.1	548.6	551.2
40°	510.0	506.8	505.5	504.9
42.5°	470.1	459.8	455.9	455.9
45°	429.5	421.1	415.3	416.0
47.5°	385.7	386.4	382.5	383.8
50°	356.1	352.2	349.7	350.3
52.5°	327.8	324.5	322.6	325.8
55°	296.2	292.4	291.7	291.1
57.5°	262.1	260.2	256.9	255.0
60°	224.7	219.6	213.1	212.5
62.5°	190.6	190.6	190.6	190.6
65°	173.2	172.6	173.2	173.9
67.5°	155.2	153.9	152.6	153.3
70°	133.9	133.3	132.7	132.7
72.5°	113.3	113.3	112.7	112.0
75°	94.0	92.7	92.7	92.7
77.5°	75.3	74.7	74.1	73.4
80°	56.7	56.0	55.4	55.4
82.5°	39.9	39.3	39.3	38.6
85°	23.2	23.8	23.2	24.5
87.5°	8.4	7.7	8.4	7.7
90°	0.0	0.0	0.0	0.0



TEST NUMBER: P242405
 CATALOG NUMBER: S122RDRP-S865D840-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	17.92	19.37	18.28	19.68	20.00	23.82	25.27	24.18	25.58	25.90
	3H	19.03	20.33	19.41	20.66	21.02	24.97	26.27	25.35	26.60	26.96
	4H	19.48	20.70	19.88	21.05	21.43	25.37	26.58	25.77	26.93	27.31
	6H	19.85	20.97	20.26	21.34	21.73	25.63	26.76	26.05	27.12	27.52
	8H	19.97	21.04	20.40	21.43	21.83	25.71	26.77	26.13	27.16	27.56
	12H	20.06	21.08	20.49	21.46	21.89	25.74	26.76	26.17	27.15	27.57
4H	2H	18.63	19.84	19.03	20.19	20.57	23.78	25.00	24.18	25.35	25.73
	3H	19.90	20.90	20.31	21.30	21.71	25.08	26.08	25.49	26.48	26.89
	4H	20.45	21.35	20.88	21.77	22.21	25.57	26.47	26.00	26.89	27.33
	6H	20.92	21.70	21.38	22.15	22.61	25.96	26.74	26.41	27.18	27.65
	8H	21.08	21.81	21.54	22.26	22.72	26.07	26.80	26.53	27.25	27.72
	12H	21.20	21.85	21.68	22.33	22.80	26.15	26.80	26.63	27.28	27.75
8H	4H	20.79	21.52	21.26	21.97	22.44	25.55	26.29	26.02	26.73	27.20
	6H	21.36	21.96	21.86	22.46	22.93	25.98	26.59	26.48	27.08	27.56
	8H	21.58	22.13	22.10	22.64	23.13	26.13	26.67	26.65	27.18	27.67
	12H	21.77	22.25	22.28	22.74	23.31	26.25	26.73	26.77	27.22	27.79
12H	4H	20.83	21.48	21.32	21.96	22.44	25.53	26.18	26.02	26.66	27.14
	6H	21.42	21.96	21.94	22.48	22.97	25.96	26.50	26.47	27.01	27.50
	8H	21.70	22.18	22.21	22.67	23.24	26.14	26.62	26.65	27.11	27.68