

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: P243276

Luminaire Tested: S122RDRP-H1005D935-X4F0-XX-UDD-A-W

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2024
Report Number: P243276
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1802-639-68)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S122RDRP-H1005D935-X4F0-XX-UDD-A-W
Description: DEFINE 2 REGRESSED DIRECT RECESSED WITH ASYMMETRIC FLUSH DIFFUSER.
HIGH PERFORMANCE LIGHT ENGINE
Light Source: (184) 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

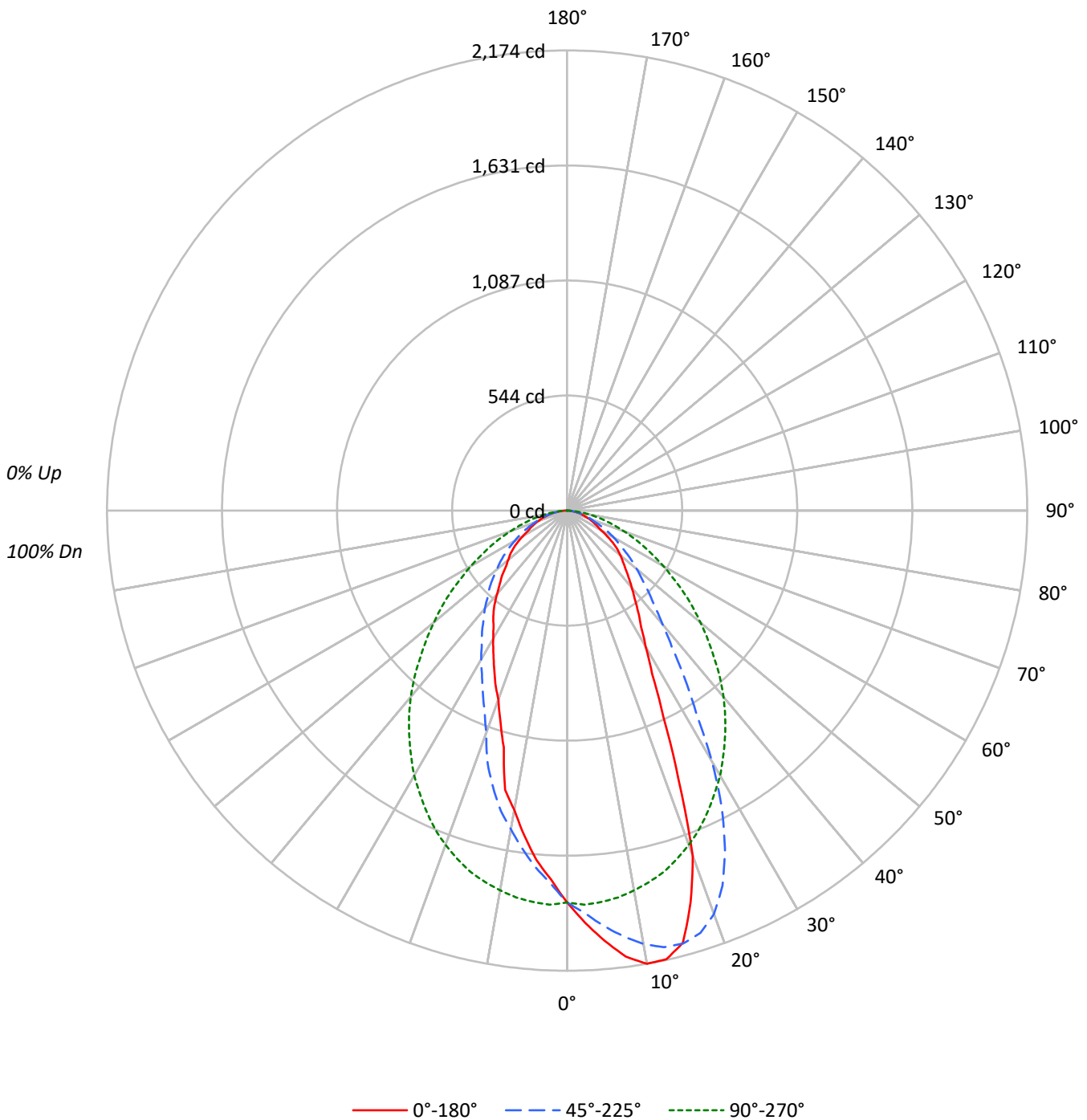
Lumens per Lamp: N/A
Luminaire Lumens: 3118.9 lumens
Efficiency: N/A
Efficacy: 82.7 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 1.17 / 0.99
Luminous Opening: Rectangular (W 3.88' x L: 0.15' x H: 0')
CIE Type: Direct

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: P243276

CATALOG NUMBER: S122RDRP-H1005D935-X4F0-XX-UDD-A-W

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	110	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	86	83	79	84	80	78					76				
3	94	85	78	72	92	84	77	72	81	75	70	78	73	69	76	72	68					66				
4	87	77	69	63	85	76	68	63	73	67	62	71	65	61	69	64	60					58				
5	81	70	62	56	79	69	61	56	67	60	55	65	59	54	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					38				
9	62	50	43	38	61	50	42	37	48	42	37	47	41	37	46	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°	35250	35250	35250	35250	35250
5°	39021	37654	35490	32386	31679
10°	42049	40221	35244	29575	27782
15°	41675	41760	34833	26677	22833
20°	35157	41098	34064	22660	19271
25°	22604	37086	33013	19829	17156
30°	16329	30075	31793	17862	15370
35°	13603	22516	30261	16307	14138
40°	11806	17453	28580	15043	12798
45°	10538	14616	26442	13997	11712
50°	9726	12721	24352	12849	10766
55°	8727	10979	22243	11985	10255
60°	6968	9665	20023	10888	9227
65°	6387	8216	17988	9988	8514
70°	5870	6778	15883	8872	8092
75°	5350	6064	13902	8427	7669
80°	4651	5309	11561	7700	7174
85°	3715	4371	9266	7015	6622

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 35008 cd/sqm



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CATALOG NUMBER: S122RDRP-H1005D935-X4F0-XX-UDD-A-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	175.2	5.6
10°-20°	479.3	15.4
20°-30°	604.2	19.4
30°-40°	580.0	18.6
40°-50°	499.6	16.0
50°-60°	381.9	12.2
60°-70°	243.0	7.8
70°-80°	123.2	3.9
80°-90°	32.5	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°	1258.7	40.4
0°-40°	1838.7	59.0
0°-60°	2720.2	87.2
0°-90°	3118.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3118.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1851	1851	1851	1851	1851	
5°	2041	1969	1856	1694	1657	199
15°	2113	2118	1766	1353	1158	573
25°	1076	1765	1571	944	816	514
35°	585	968	1301	701	608	369
45°	391	543	982	520	435	305
55°	263	331	670	361	309	232
65°	142	182	399	222	189	141
75°	73	82	189	114	104	77
85°	17	20	42	32	30	20
90°	0	0	0	0	0	



TEST NUMBER: P243276

CATALOG NUMBER: S122RDRP-H1005D935-X4F0-XX-UDD-A-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1850.6	1850.6	1850.6	1850.6	1850.6	1850.6	1850.6	1850.6	1850.6	1850.6	1850.6
2.5°	1948.7	1951.1	1952.4	1949.3	1942.7	1943.3	1937.2	1926.9	1914.2	1902.7	1909.4
5°	2040.8	2043.8	2043.2	2037.7	2031.1	2025.0	2014.7	2000.2	1985.1	1969.3	1966.3
7.5°	2125.6	2132.2	2130.4	2120.1	2115.3	2106.8	2089.2	2072.9	2049.9	2027.5	2018.4
10°	2174.0	2179.4	2176.4	2174.0	2168.5	2160.1	2144.3	2128.6	2103.1	2079.5	2066.2
12.5°	2170.4	2175.2	2177.6	2180.1	2178.2	2175.2	2168.5	2155.2	2134.6	2112.8	2095.9
15°	2113.4	2105.6	2100.1	2115.3	2120.7	2141.3	2146.1	2148.0	2134.0	2117.7	2113.4
17.5°	1940.2	1942.7	1984.5	1977.8	1986.9	2037.1	2057.1	2084.4	2095.9	2092.2	2099.5
20°	1734.4	1705.9	1726.5	1756.8	1785.2	1858.5	1906.9	1949.9	1999.6	2027.5	2054.1
22.5°	1375.9	1376.5	1426.1	1475.8	1540.0	1619.3	1693.2	1775.5	1863.9	1917.8	1980.2
25°	1075.5	1104.6	1126.4	1148.2	1241.4	1317.7	1440.7	1540.6	1662.3	1764.6	1869.4
27.5°	869.6	899.9	903.5	952.6	1007.7	1069.4	1150.0	1307.4	1432.2	1582.4	1711.9
30°	742.4	748.5	761.2	773.9	814.5	872.0	958.6	1057.3	1196.0	1367.4	1541.2
32.5°	650.4	649.2	661.9	681.9	704.3	743.0	792.1	873.8	999.2	1135.4	1338.3
35°	585.0	583.2	592.2	599.5	612.8	644.3	688.5	742.4	832.7	968.3	1125.8
37.5°	523.2	526.8	532.3	540.2	557.7	577.7	607.4	652.2	723.7	813.3	964.1
40°	474.8	479.0	485.1	490.5	503.8	520.2	540.2	575.9	623.7	701.9	817.5
42.5°	431.2	433.0	437.8	445.7	455.4	469.9	489.3	516.6	556.5	611.0	712.2
45°	391.2	391.2	396.6	403.9	410.0	423.9	439.0	465.1	496.0	542.6	614.7
47.5°	357.3	357.9	360.9	362.1	368.8	381.5	397.9	418.4	443.9	479.6	546.8
50°	328.2	330.6	331.9	333.7	336.1	342.8	354.3	370.0	397.9	429.3	474.2
52.5°	297.9	301.0	303.4	307.0	310.7	311.3	319.7	330.0	349.4	382.1	418.4
55°	262.8	265.2	270.1	273.1	278.0	282.2	288.9	296.1	308.8	330.6	368.2
57.5°	222.8	223.5	228.3	231.3	241.0	250.7	256.8	264.6	273.7	288.9	317.3
60°	182.9	184.7	185.3	187.7	196.2	206.5	218.6	230.7	240.4	253.7	273.7
62.5°	161.1	161.7	163.5	165.9	166.5	171.4	175.0	189.5	206.5	219.8	233.1
65°	141.7	142.3	142.3	144.1	146.5	149.0	150.8	156.2	163.5	182.3	198.6
67.5°	123.5	122.9	124.1	126.0	126.6	128.4	131.4	134.4	139.3	144.7	161.7
70°	105.4	105.4	104.8	106.6	108.4	109.0	110.8	113.8	116.9	121.7	127.2
72.5°	87.2	88.4	88.4	89.6	90.2	92.7	93.9	95.1	99.3	101.7	106.0
75°	72.7	72.1	73.9	73.3	74.5	75.1	76.9	78.7	79.9	82.4	86.0
77.5°	58.1	56.9	58.1	57.5	58.7	60.0	60.0	61.8	63.0	65.4	67.2
80°	42.4	42.4	43.0	44.2	44.2	44.8	46.0	45.4	47.8	48.4	50.3
82.5°	29.1	29.7	29.7	30.3	30.3	30.3	31.5	31.5	32.1	33.3	33.9
85°	17.0	16.4	17.0	17.0	17.0	17.6	18.2	17.6	18.8	20.0	20.0
87.5°	4.8	4.8	5.5	6.1	6.1	6.7	6.7	6.7	7.3	7.3	7.9
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: P243276

CATALOG NUMBER: S122RDRP-H1005D935-X4F0-XX-UDD-A-W

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1850.6	1850.6	1850.6	1850.6	1850.6	1850.6	1850.6	1850.6	1850.6	1850.6	1850.6
2.5°	1909.4	1906.3	1898.5	1891.2	1877.9	1867.0	1863.3	1863.9	1847.6	1830.6	1825.8
5°	1962.0	1951.1	1935.4	1919.1	1899.1	1879.1	1866.4	1856.1	1830.6	1805.2	1790.7
7.5°	2005.6	1988.1	1965.1	1939.0	1913.0	1883.3	1862.7	1843.4	1808.2	1773.7	1754.9
10°	2045.6	2020.8	1989.3	1955.4	1920.9	1882.1	1852.4	1822.2	1778.0	1739.2	1707.1
12.5°	2083.8	2044.4	2012.3	1963.3	1925.1	1872.4	1831.9	1796.7	1744.6	1696.2	1660.5
15°	2087.4	2059.5	2016.5	1965.7	1907.5	1858.5	1807.6	1766.4	1707.1	1653.2	1592.0
17.5°	2086.8	2065.0	2020.2	1968.1	1898.5	1834.3	1779.2	1725.3	1657.4	1594.5	1541.8
20°	2065.0	2049.9	2011.1	1949.3	1879.1	1805.2	1744.0	1680.5	1601.1	1536.3	1478.8
22.5°	2013.5	2017.2	1986.9	1931.8	1856.1	1773.7	1702.9	1629.6	1548.4	1474.0	1401.3
25°	1926.3	1965.1	1956.0	1904.5	1824.0	1733.7	1653.2	1570.8	1483.6	1404.3	1337.1
27.5°	1817.9	1890.6	1906.3	1866.4	1789.5	1688.3	1596.9	1507.3	1418.2	1332.9	1263.8
30°	1689.5	1797.9	1837.9	1816.1	1745.3	1639.3	1533.3	1445.5	1348.0	1257.2	1184.5
32.5°	1527.9	1679.9	1750.1	1756.8	1698.6	1584.8	1467.3	1372.8	1272.9	1186.9	1108.8
35°	1347.4	1533.9	1648.4	1679.2	1637.5	1524.8	1401.3	1301.4	1194.8	1108.2	1029.5
37.5°	1165.7	1384.9	1535.1	1595.1	1567.2	1458.2	1327.4	1226.3	1120.9	1032.5	958.6
40°	998.6	1206.9	1401.9	1495.8	1487.3	1386.2	1254.1	1149.4	1042.2	960.4	879.3
42.5°	849.0	1050.1	1264.4	1390.4	1397.1	1308.6	1173.6	1068.2	965.3	884.1	799.4
45°	730.9	907.8	1120.3	1270.5	1299.6	1226.9	1090.0	981.6	887.8	811.5	726.7
47.5°	636.5	773.9	971.3	1147.6	1199.0	1135.4	1004.6	901.7	813.3	747.9	667.9
50°	554.7	683.7	851.4	1014.3	1090.0	1042.2	919.9	821.8	741.8	678.8	608.6
52.5°	482.0	582.0	727.3	883.5	985.3	941.7	837.5	747.3	672.2	613.4	554.7
55°	422.1	505.7	634.0	773.3	867.2	843.0	750.3	669.8	603.8	548.0	500.2
57.5°	360.3	430.6	534.1	658.3	750.3	746.7	670.4	592.9	540.8	488.1	453.6
60°	306.4	363.3	447.5	552.9	645.5	646.1	586.8	525.6	480.8	435.4	402.7
62.5°	258.6	304.0	377.3	462.1	535.9	554.7	510.5	457.2	420.9	385.7	357.9
65°	217.4	251.3	306.4	383.3	441.5	466.9	437.8	399.1	368.8	337.3	312.5
67.5°	179.2	204.1	244.7	305.2	363.3	382.1	370.0	340.3	318.5	292.5	273.7
70°	141.1	162.3	190.8	236.2	284.0	310.1	306.4	285.2	267.1	248.3	230.7
72.5°	112.0	124.1	145.9	178.6	216.8	245.9	247.1	236.2	221.0	205.3	193.8
75°	90.2	95.7	106.0	131.4	161.7	185.9	194.4	188.9	176.8	167.1	159.3
77.5°	69.6	74.5	81.1	93.3	116.9	135.6	145.9	146.5	139.3	130.8	124.7
80°	52.1	53.9	58.7	64.8	76.9	93.3	105.4	105.4	101.1	96.9	93.3
82.5°	35.7	37.5	40.0	43.0	49.1	58.7	69.6	71.5	69.0	67.8	63.0
85°	20.0	21.8	23.0	24.8	27.3	32.1	40.0	42.4	43.0	39.4	36.9
87.5°	7.9	7.9	8.5	9.1	9.7	11.5	14.5	18.2	18.2	16.4	15.7
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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CATALOG NUMBER: S122RDRP-H1005D935-X4F0-XX-UDD-A-W

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1850.6	1850.6	1850.6	1850.6	1850.6	1850.6	1850.6	1850.6	1850.6	1850.6	1850.6
2.5°	1819.7	1811.3	1800.4	1790.7	1777.3	1764.0	1761.6	1766.4	1767.7	1761.6	1763.4
5°	1776.7	1761.0	1747.7	1725.9	1711.9	1693.8	1681.7	1681.7	1681.7	1672.6	1664.1
7.5°	1731.9	1710.7	1685.3	1664.7	1636.3	1612.6	1601.1	1595.7	1584.8	1575.7	1565.4
10°	1679.9	1650.2	1618.7	1586.6	1561.8	1529.1	1509.7	1497.6	1478.8	1470.9	1455.8
12.5°	1618.7	1589.0	1550.9	1498.8	1491.5	1451.6	1424.3	1401.9	1378.9	1360.1	1353.5
15°	1569.6	1518.2	1467.3	1430.4	1376.5	1352.8	1312.9	1309.2	1290.5	1235.4	1192.4
17.5°	1490.3	1444.3	1388.0	1346.8	1303.8	1251.1	1208.7	1166.9	1127.0	1088.2	1087.0
20°	1420.1	1366.2	1312.9	1268.1	1193.0	1117.9	1091.8	1053.7	1030.1	999.2	990.1
22.5°	1343.2	1286.8	1220.2	1154.8	1067.0	1019.8	991.3	961.0	937.4	923.5	909.6
25°	1265.6	1209.3	1120.9	1040.4	980.4	943.5	919.3	886.6	869.6	857.5	839.3
27.5°	1189.9	1118.5	1025.2	961.0	912.6	870.8	849.0	822.4	803.6	787.8	776.3
30°	1114.9	1016.8	937.4	887.8	838.1	812.1	783.6	763.6	749.7	735.2	716.4
32.5°	1032.5	929.6	878.1	816.9	787.8	750.3	729.7	709.1	691.0	680.7	674.0
35°	936.8	853.9	807.8	763.0	726.1	701.3	672.2	659.5	649.8	629.8	621.3
37.5°	855.7	795.7	747.3	707.3	673.4	646.7	633.4	611.6	597.7	591.0	582.0
40°	788.5	735.2	693.4	652.8	624.3	605.0	581.3	569.8	551.7	545.0	537.7
42.5°	730.3	681.3	637.7	606.8	582.0	555.3	543.2	523.8	515.9	499.6	493.5
45°	671.6	628.0	589.8	559.5	535.9	519.6	497.8	485.7	471.7	463.3	446.9
47.5°	612.8	574.1	542.6	517.2	496.6	476.6	458.4	448.1	430.6	421.5	413.0
50°	567.4	529.9	500.2	474.8	453.6	433.6	422.1	405.1	389.4	379.1	376.1
52.5°	513.5	480.8	453.6	434.2	413.0	398.5	382.7	363.9	356.1	345.8	343.4
55°	465.7	439.0	416.0	395.4	377.3	360.9	342.8	329.4	323.4	318.5	314.9
57.5°	420.9	395.4	374.2	355.5	339.7	322.8	307.6	299.8	294.3	288.9	285.2
60°	376.7	353.7	334.3	318.5	302.2	285.8	274.9	268.3	264.0	256.2	253.7
62.5°	337.3	316.1	296.1	281.6	266.5	253.7	244.7	235.6	228.9	222.8	210.1
65°	294.3	275.5	260.4	245.9	231.3	221.6	211.3	201.0	192.6	192.6	192.6
67.5°	256.2	239.8	224.1	211.3	198.6	187.1	176.8	176.2	173.2	172.0	170.2
70°	217.4	205.9	191.4	177.4	164.7	159.3	157.4	154.4	150.8	150.2	147.8
72.5°	182.3	169.0	155.6	143.5	141.1	138.7	135.0	132.0	129.6	127.8	126.6
75°	149.0	135.6	124.7	121.7	118.7	114.5	111.4	109.0	107.8	107.8	107.2
77.5°	113.8	106.0	101.1	96.3	93.9	91.4	89.6	88.4	86.6	87.2	86.0
80°	83.6	81.1	76.9	73.9	72.7	70.2	69.0	68.4	67.2	67.2	66.6
82.5°	60.0	55.7	53.9	52.1	50.9	49.7	50.3	49.7	49.1	48.4	49.1
85°	34.5	33.9	32.7	32.7	32.7	32.1	32.1	32.1	31.5	30.9	30.9
87.5°	15.1	15.7	15.7	14.5	16.4	16.4	15.7	15.7	15.1	16.4	15.1
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: P243276

CATALOG NUMBER: S122RDRP-H1005D935-X4F0-XX-UDD-A-W

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	1850.6	1850.6	1850.6	1850.6
2.5°	1755.5	1754.9	1751.3	1745.3
5°	1660.5	1658.1	1652.0	1656.8
7.5°	1558.7	1552.1	1546.0	1549.0
10°	1449.7	1447.3	1443.7	1436.4
12.5°	1329.2	1338.9	1328.6	1351.6
15°	1150.6	1193.6	1139.7	1157.9
17.5°	1061.6	1062.2	1054.9	1046.4
20°	978.0	956.8	964.7	950.7
22.5°	897.5	892.6	890.2	885.3
25°	825.4	816.3	813.3	816.3
27.5°	772.1	767.9	756.4	754.5
30°	705.5	703.7	700.0	698.8
32.5°	663.7	655.8	654.0	646.7
35°	617.1	612.8	609.8	608.0
37.5°	570.4	568.0	562.6	565.6
40°	532.3	520.2	515.3	514.7
42.5°	490.5	483.9	474.2	471.1
45°	442.1	439.0	436.0	434.8
47.5°	399.7	397.9	394.2	392.4
50°	369.4	364.6	363.9	363.3
52.5°	340.3	338.5	336.7	339.1
55°	313.1	310.7	308.8	308.8
57.5°	283.4	279.2	275.5	276.1
60°	248.9	246.5	243.4	242.2
62.5°	208.9	208.9	208.3	208.3
65°	190.1	188.9	188.3	188.9
67.5°	169.6	168.3	166.5	167.1
70°	145.9	145.3	145.9	145.3
72.5°	124.7	124.1	124.7	126.0
75°	105.4	104.8	104.2	104.2
77.5°	85.4	84.8	83.6	84.8
80°	66.6	66.0	65.4	65.4
82.5°	47.2	47.8	47.2	47.2
85°	30.9	31.5	30.9	30.3
87.5°	15.7	16.4	15.1	14.5
90°	0.0	0.0	0.0	0.0



TEST NUMBER: P243276
 CATALOG NUMBER: S122RDRP-H1005D935-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	17.22	18.67	17.58	18.99	19.30	23.55	25.01	23.91	25.32	25.63
	3H	18.39	19.69	18.77	20.02	20.38	24.80	26.10	25.18	26.43	26.79
	4H	18.85	20.07	19.25	20.42	20.80	25.23	26.45	25.63	26.80	27.18
	6H	19.18	20.30	19.59	20.67	21.06	25.53	26.65	25.94	27.02	27.41
	8H	19.28	20.35	19.70	20.74	21.14	25.61	26.68	26.04	27.07	27.48
	12H	19.33	20.35	19.76	20.74	21.17	25.66	26.68	26.09	27.07	27.50
4H	2H	17.94	19.16	18.34	19.51	19.89	23.53	24.75	23.93	25.10	25.48
	3H	19.27	20.28	19.68	20.68	21.08	24.92	25.93	25.33	26.33	26.73
	4H	19.82	20.73	20.25	21.15	21.59	25.45	26.35	25.88	26.77	27.21
	6H	20.25	21.04	20.71	21.48	21.95	25.86	26.65	26.32	27.09	27.56
	8H	20.38	21.12	20.85	21.56	22.03	25.99	26.73	26.46	27.18	27.64
	12H	20.46	21.12	20.95	21.60	22.07	26.09	26.74	26.57	27.22	27.69
8H	4H	20.17	20.90	20.63	21.35	21.82	25.44	26.18	25.91	26.62	27.09
	6H	20.69	21.30	21.19	21.79	22.27	25.91	26.51	26.41	27.01	27.49
	8H	20.88	21.42	21.39	21.93	22.42	26.08	26.62	26.59	27.13	27.62
	12H	21.01	21.49	21.52	21.98	22.55	26.22	26.70	26.73	27.19	27.76
12H	4H	20.21	20.86	20.69	21.34	21.82	25.42	26.08	25.91	26.56	27.03
	6H	20.75	21.30	21.27	21.81	22.30	25.89	26.43	26.40	26.94	27.43
	8H	20.99	21.47	21.50	21.96	22.53	26.09	26.57	26.60	27.06	27.63