

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: P243624

Luminaire Tested: S124RDRP-H1020D940-X4F0-XX-UDD-A-W

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2024
Report Number: P243624
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1802-639-70)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S124RDRP-H1020D940-X4F0-XX-UDD-A-W
Description: DEFINE 4 REGRESSED DIRECT RECESSED WITH ASYMMETRIC FLUSH DIFFUSER.
HIGH PERFORMANCE LIGHT ENGINE
Light Source: (184) 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

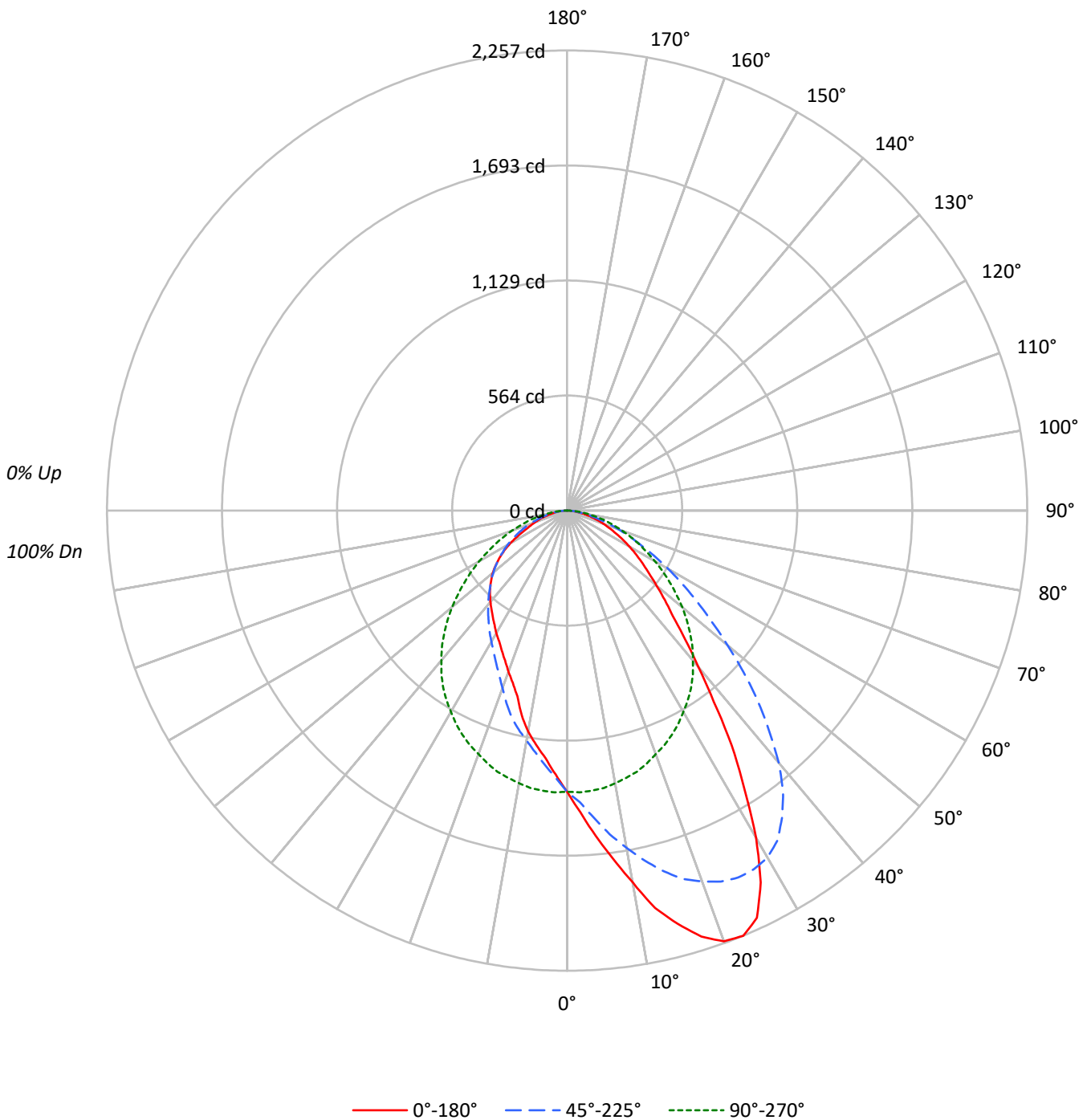
Lumens per Lamp: N/A
Luminaire Lumens: 3558.1 lumens
Efficiency: N/A
Efficacy: 113.0 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.23 / 1.39
Luminous Opening: Rectangular (W 3.88' x L: 0.31' x H: 0')
CIE Type: Direct

Input Watts (W): 31.5
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

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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	110	105	102	98	107	103	100	97	99	96	93	95	93	91	92	90	88					86				
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	75					73				
3	92	83	75	69	90	81	74	68	78	72	67	76	70	66	73	69	65					63				
4	85	74	66	59	83	73	65	59	70	63	58	68	62	57	66	61	57					55				
5	79	66	58	52	77	65	57	51	63	56	51	61	55	50	60	54	50					48				
6	73	60	52	46	71	59	51	45	58	50	45	56	50	45	54	49	44					42				
7	68	55	46	41	66	54	46	40	53	45	40	51	45	40	50	44	40					38				
8	63	50	42	36	62	50	42	36	48	41	36	47	41	36	46	40	36					34				
9	59	46	38	33	58	46	38	33	45	38	33	43	37	33	42	37	32					31				
10	56	43	35	30	54	42	35	30	41	35	30	40	34	30	39	34	30					28				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	12254	12254	12254	12254	12254
5°	14275	13504	12306	11171	10864
10°	16717	15162	12255	10336	9934
15°	19317	16856	12193	9658	8675
20°	21268	18308	12020	8770	7953
25°	21609	19476	11911	8092	7434
30°	19021	20168	11698	7615	7130
35°	15264	19942	11499	7276	6897
40°	11612	18732	11133	6983	6790
45°	9218	16643	10724	6742	6708
50°	7914	14187	10193	6526	6592
55°	6989	12048	9534	6298	6273
60°	6261	10183	8848	6012	5746
65°	5511	8377	8176	5601	4833
70°	4912	6905	7423	5136	4353
75°	4279	5420	6749	4516	3871
80°	3629	4151	5800	3819	3573
85°	3172	3396	4987	3723	3610

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 55°
 Vertical Angle: 45°
 Luminance: 17911 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.8	3.8
10°-20°	405.7	11.4
20°-30°	633.1	17.8
30°-40°	706.0	19.8
40°-50°	634.6	17.8
50°-60°	501.5	14.1
60°-70°	333.0	9.4
70°-80°	167.0	4.7
80°-90°	43.5	1.2
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°	1172.5	33.0
0°-40°	1878.5	52.8
0°-60°	3014.6	84.7
0°-90°	3558.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3558.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1379	1379	1379	1379	1379	
5°	1600	1513	1379	1252	1218	160
15°	2099	1832	1325	1050	943	596
25°	2203	1986	1214	825	758	986
35°	1407	1838	1060	670	636	874
45°	733	1324	853	536	534	581
55°	451	777	615	406	405	406
65°	262	398	389	266	230	262
75°	125	158	196	132	113	133
85°	31	33	49	36	35	35
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°	1378.6	1378.6	1378.6	1378.6	1378.6	1378.6	1378.6	1378.6	1378.6	1378.6	1378.6
2.5°	1480.6	1475.3	1474.7	1467.8	1467.2	1460.2	1458.1	1452.2	1440.4	1431.3	1431.8
5°	1599.8	1595.5	1595.0	1588.0	1585.9	1577.3	1563.9	1547.8	1529.0	1513.4	1503.2
7.5°	1722.2	1729.7	1721.7	1721.7	1706.1	1695.9	1669.6	1656.2	1624.0	1601.4	1577.8
10°	1852.1	1859.1	1855.9	1849.5	1829.1	1808.1	1780.7	1754.4	1715.2	1679.8	1656.2
12.5°	1997.1	1976.2	1989.6	1969.7	1953.1	1919.8	1893.5	1840.9	1809.7	1758.2	1712.0
15°	2099.1	2091.0	2090.5	2077.1	2058.8	2022.3	1993.9	1939.1	1886.0	1831.7	1779.7
17.5°	2190.4	2191.4	2183.9	2162.4	2138.8	2103.4	2064.7	2015.9	1955.2	1895.1	1833.4
20°	2248.3	2248.9	2243.5	2232.2	2206.5	2174.3	2134.5	2070.6	2001.9	1935.4	1873.6
22.5°	2256.9	2258.5	2256.9	2250.0	2232.2	2205.9	2169.4	2115.2	2046.0	1969.7	1896.2
25°	2203.2	2208.6	2209.2	2218.8	2209.7	2199.5	2172.6	2127.0	2063.1	1985.8	1905.8
27.5°	2056.2	2071.2	2085.1	2102.3	2117.9	2131.8	2134.0	2109.8	2055.1	1983.1	1906.9
30°	1853.2	1870.9	1898.9	1917.1	1965.4	1996.0	2037.4	2046.5	2020.2	1964.9	1891.3
32.5°	1617.0	1635.8	1646.5	1706.7	1775.9	1825.8	1894.6	1935.4	1945.6	1919.3	1859.1
35°	1406.6	1409.8	1417.8	1486.0	1554.7	1630.4	1715.8	1786.7	1835.0	1837.7	1808.1
37.5°	1181.1	1184.8	1216.5	1268.6	1328.2	1411.4	1509.6	1610.6	1699.1	1739.9	1731.4
40°	1000.7	999.6	1033.4	1078.5	1136.5	1223.0	1324.4	1434.5	1529.0	1614.3	1634.7
42.5°	854.7	858.4	887.4	913.7	969.6	1030.2	1138.7	1253.0	1374.3	1467.8	1530.0
45°	733.3	743.0	762.9	787.6	829.4	885.3	973.9	1087.7	1211.7	1323.9	1398.5
47.5°	649.6	652.3	662.5	693.1	721.0	766.1	841.8	938.4	1048.5	1174.1	1272.3
50°	572.3	578.7	582.5	600.7	628.1	671.1	729.6	801.5	910.5	1025.9	1148.9
52.5°	505.7	509.5	516.5	533.1	554.6	584.6	630.8	694.2	784.9	891.7	1007.7
55°	451.0	451.5	458.5	470.3	486.9	510.0	554.0	599.7	680.2	777.4	882.6
57.5°	401.6	398.3	404.8	411.8	427.9	447.7	476.2	522.9	585.7	668.4	763.4
60°	352.2	354.9	354.3	362.4	371.0	390.8	415.0	445.6	497.1	572.8	653.4
62.5°	306.0	305.5	310.8	315.7	321.6	337.7	357.5	382.8	423.0	478.9	556.7
65°	262.0	263.1	267.4	271.1	277.6	287.8	302.8	323.2	355.4	398.3	463.8
67.5°	222.3	226.0	228.2	229.2	235.1	242.7	255.5	272.2	294.2	328.6	383.3
70°	189.0	190.0	191.1	194.9	197.6	201.9	211.5	220.6	240.5	265.7	305.5
72.5°	157.8	156.8	160.0	161.1	162.1	166.4	172.3	177.2	190.0	211.5	236.2
75°	124.6	125.1	125.6	127.2	131.5	132.1	134.8	140.1	149.2	157.8	174.5
77.5°	93.4	95.0	94.5	96.1	97.7	99.3	100.4	105.2	111.7	118.6	126.7
80°	70.9	70.9	70.9	71.9	70.9	74.6	74.6	76.2	77.8	81.1	87.0
82.5°	48.3	49.4	49.9	50.5	51.0	51.0	51.5	52.6	54.8	55.8	57.4
85°	31.1	30.1	30.6	30.6	30.6	30.6	31.7	32.7	32.7	33.3	34.9
87.5°	14.0	14.0	14.0	14.0	13.4	14.0	14.5	14.5	15.0	15.0	16.1
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°	1378.6	1378.6	1378.6	1378.6	1378.6	1378.6	1378.6	1378.6	1378.6	1378.6	1378.6
2.5°	1428.6	1427.0	1418.9	1410.3	1402.3	1394.2	1391.5	1383.5	1373.8	1365.2	1355.6
5°	1492.5	1479.6	1461.9	1443.6	1424.8	1407.6	1394.2	1379.2	1362.0	1341.6	1325.5
7.5°	1556.9	1533.3	1504.3	1477.4	1445.2	1419.4	1393.7	1372.2	1347.5	1318.5	1296.5
10°	1619.7	1580.5	1545.1	1502.7	1461.9	1426.4	1393.7	1357.7	1325.0	1293.8	1263.2
12.5°	1669.6	1630.4	1579.4	1527.3	1474.7	1428.6	1384.5	1342.1	1301.3	1263.8	1229.9
15°	1726.5	1670.2	1607.3	1549.9	1478.0	1421.1	1370.6	1325.0	1278.2	1232.6	1195.6
17.5°	1768.4	1701.8	1624.0	1558.0	1488.7	1417.8	1357.2	1299.7	1246.0	1198.3	1160.1
20°	1800.6	1721.7	1643.8	1560.1	1477.4	1404.9	1336.8	1270.7	1216.5	1164.4	1124.2
22.5°	1814.6	1731.4	1644.9	1554.2	1466.1	1384.0	1313.1	1245.0	1183.8	1130.1	1083.4
25°	1820.5	1729.2	1639.6	1536.5	1447.4	1363.6	1284.7	1214.4	1151.6	1090.9	1044.7
27.5°	1815.6	1717.9	1614.9	1517.7	1416.8	1334.6	1250.9	1179.5	1114.0	1055.5	1003.9
30°	1802.8	1692.2	1589.6	1480.6	1383.5	1297.0	1215.4	1139.7	1073.7	1014.1	963.1
32.5°	1769.5	1663.2	1546.7	1440.4	1335.7	1250.3	1176.2	1101.6	1034.5	972.2	922.9
35°	1728.1	1624.0	1502.1	1391.0	1287.4	1200.9	1126.3	1059.7	993.7	927.7	877.2
37.5°	1676.1	1570.3	1452.7	1333.0	1231.5	1147.8	1079.6	1012.5	947.0	886.3	830.0
40°	1605.7	1509.1	1391.0	1270.7	1168.7	1088.2	1021.1	959.4	901.4	841.8	781.1
42.5°	1518.2	1444.7	1322.8	1204.2	1104.3	1024.3	964.7	909.4	853.6	792.4	737.6
45°	1424.8	1362.0	1251.4	1131.7	1036.7	958.8	901.9	853.1	800.4	746.2	688.8
47.5°	1319.6	1272.9	1177.3	1058.7	958.8	892.3	839.6	795.1	747.3	699.0	643.2
50°	1200.9	1172.5	1090.9	983.0	888.0	820.3	776.8	737.1	696.3	648.0	600.2
52.5°	1082.3	1076.9	1000.7	905.7	816.0	753.2	710.8	674.3	641.0	595.4	555.1
55°	957.7	973.9	910.5	823.0	743.0	682.3	644.8	615.2	586.2	547.6	508.9
57.5°	847.2	865.4	821.9	741.4	666.8	615.2	583.0	556.2	530.9	495.5	469.7
60°	724.8	758.0	735.0	661.4	595.4	549.2	519.1	497.7	476.7	446.1	423.6
62.5°	628.1	651.2	637.8	583.0	524.5	486.9	460.1	440.2	423.6	400.0	377.9
65°	524.5	553.5	546.5	510.5	459.0	424.7	404.3	388.7	371.5	352.7	334.5
67.5°	431.1	461.2	459.5	434.9	396.7	368.3	349.0	337.7	323.7	305.5	294.2
70°	346.8	374.7	375.8	363.5	336.6	309.8	295.8	285.6	274.9	261.4	253.4
72.5°	269.5	294.7	299.0	293.1	275.9	258.2	245.9	238.9	229.8	218.5	211.5
75°	201.3	219.6	229.8	227.1	220.1	208.3	201.3	196.5	187.4	179.3	173.4
77.5°	143.3	157.8	168.0	172.3	169.1	164.3	157.8	154.1	144.4	140.7	137.4
80°	96.1	109.0	118.1	120.8	122.4	121.3	115.4	113.3	108.4	106.8	103.6
82.5°	59.1	66.0	72.5	79.5	82.7	82.7	79.5	80.0	75.7	73.5	72.5
85°	36.0	37.6	38.7	44.0	48.3	49.9	48.3	48.9	47.2	45.6	44.0
87.5°	16.6	16.6	17.2	18.3	19.3	22.5	23.6	25.2	23.1	23.1	19.3
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°	1378.6	1378.6	1378.6	1378.6	1378.6	1378.6	1378.6	1378.6	1378.6	1378.6	1378.6
2.5°	1349.7	1342.7	1337.3	1328.7	1321.7	1310.5	1306.7	1306.7	1308.9	1306.2	1308.9
5°	1314.2	1301.3	1287.4	1275.0	1261.6	1251.9	1242.3	1240.1	1239.1	1232.6	1233.2
7.5°	1278.8	1261.6	1243.9	1227.8	1211.1	1196.1	1185.9	1181.6	1177.9	1173.6	1168.7
10°	1240.7	1220.8	1199.9	1181.6	1165.5	1145.1	1134.9	1131.7	1121.0	1118.8	1111.3
12.5°	1200.4	1180.0	1159.1	1135.4	1119.9	1100.0	1085.0	1078.0	1067.8	1060.3	1049.0
15°	1168.7	1143.0	1115.0	1092.0	1071.6	1049.5	1029.1	1015.7	1002.3	981.4	971.2
17.5°	1129.5	1100.0	1075.9	1051.2	1021.6	989.4	965.3	945.4	930.9	913.7	903.5
20°	1087.1	1059.7	1029.7	994.8	963.7	927.1	905.1	888.5	877.2	867.0	861.7
22.5°	1049.5	1017.9	976.5	943.3	899.8	870.8	853.1	842.3	831.6	820.8	815.5
25°	1008.7	971.7	921.2	880.4	847.7	825.1	808.0	797.8	786.5	780.0	772.0
27.5°	968.5	920.7	870.2	833.2	807.4	781.1	766.6	758.6	750.0	740.9	734.4
30°	919.6	865.4	823.5	789.7	763.9	741.9	731.2	719.4	711.9	706.5	702.7
32.5°	868.6	816.6	778.4	749.4	724.2	707.6	694.2	686.6	680.2	674.3	670.0
35°	820.8	770.4	738.2	710.3	689.3	670.5	660.3	653.4	648.0	643.2	641.0
37.5°	773.6	730.7	695.8	673.8	651.7	636.7	627.0	620.6	617.4	612.6	613.1
40°	726.9	688.2	660.3	635.1	614.7	601.8	594.3	591.6	586.8	585.2	586.8
42.5°	685.0	649.6	622.8	599.1	581.4	569.1	563.2	559.4	557.8	557.3	557.8
45°	644.2	610.9	585.2	565.8	547.6	536.3	531.5	528.8	527.2	529.9	530.4
47.5°	603.4	573.4	550.3	527.7	512.7	504.6	499.8	497.7	499.3	500.3	504.1
50°	563.2	535.2	511.1	491.2	479.4	471.9	470.3	466.5	469.2	470.8	473.5
52.5°	522.4	497.1	475.7	456.9	444.5	439.7	435.9	434.3	438.1	438.1	440.8
55°	481.0	459.0	439.1	422.0	412.3	406.4	403.7	401.6	403.7	404.3	403.7
57.5°	442.4	421.4	400.5	386.0	377.9	371.5	368.8	367.7	367.2	369.4	368.8
60°	401.6	381.7	365.1	350.0	342.0	338.2	332.3	333.4	333.4	333.4	328.0
62.5°	360.8	340.9	326.4	316.2	306.5	300.1	299.0	297.4	294.2	293.7	286.7
65°	318.9	303.9	291.5	281.3	271.6	266.3	264.7	259.8	256.1	249.1	244.3
67.5°	280.2	269.5	255.0	246.4	238.4	231.9	226.0	222.3	214.7	207.8	203.5
70°	241.6	230.3	220.6	211.5	203.5	197.6	190.6	183.6	178.8	174.5	171.3
72.5°	202.9	193.3	185.2	176.6	168.0	162.1	156.8	151.4	149.2	147.1	145.5
75°	167.0	157.8	150.3	143.3	138.5	131.5	128.8	126.7	124.6	121.9	118.6
77.5°	132.1	125.1	119.2	113.3	109.0	105.2	103.1	96.6	91.3	90.2	89.1
80°	98.2	92.9	89.1	84.8	80.0	74.6	73.0	70.9	69.8	69.8	70.3
82.5°	68.7	65.5	61.2	57.4	55.8	53.7	53.7	53.1	52.6	53.1	53.1
85°	41.9	37.6	36.5	36.0	36.5	36.5	36.5	36.5	36.0	36.5	35.4
87.5°	18.3	19.9	20.4	18.8	19.3	18.3	18.8	18.8	18.8	19.3	18.8
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: P243624

CATALOG NUMBER: S124RDRP-H1020D940-X4F0-XX-UDD-A-W

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	1378.6	1378.6	1378.6	1378.6
2.5°	1305.6	1305.6	1300.3	1296.0
5°	1232.1	1225.1	1224.0	1217.6
7.5°	1163.4	1162.3	1159.6	1159.6
10°	1108.6	1104.8	1101.1	1100.6
12.5°	1031.3	1036.7	1030.2	1028.6
15°	963.7	959.4	954.0	942.7
17.5°	900.8	892.8	890.6	885.8
20°	851.5	845.5	843.4	840.7
22.5°	804.7	803.7	797.2	795.6
25°	770.4	765.0	760.7	758.0
27.5°	732.8	729.0	726.9	722.6
30°	698.4	697.4	694.7	694.7
32.5°	667.3	664.1	664.1	663.6
35°	638.9	639.9	636.7	635.6
37.5°	612.0	610.4	610.9	609.9
40°	585.7	584.6	584.6	585.2
42.5°	558.9	559.4	560.5	560.5
45°	532.0	532.6	533.6	533.6
47.5°	506.8	505.7	506.8	505.7
50°	474.6	477.8	477.3	476.7
52.5°	441.8	440.8	442.9	442.4
55°	406.4	404.8	406.9	404.8
57.5°	366.7	367.2	367.2	366.1
60°	326.9	325.3	323.2	323.2
62.5°	280.8	275.9	272.7	274.9
65°	236.2	232.5	231.4	229.8
67.5°	200.8	196.5	194.9	194.3
70°	170.2	168.0	167.5	167.5
72.5°	144.4	144.4	142.8	141.7
75°	117.6	115.4	112.7	112.7
77.5°	88.0	87.5	87.0	87.0
80°	68.7	68.7	69.3	69.8
82.5°	51.5	52.1	52.6	52.6
85°	34.9	34.9	35.4	35.4
87.5°	18.8	18.8	18.8	18.3
90°	0.0	0.0	0.0	0.0

TEST NUMBER: P243624

CATALOG NUMBER: S124RDRP-H1020D940-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	18.05	19.58	18.41	19.89	20.21	19.74	21.28	20.11	21.59	21.91
	3H	19.28	20.66	19.66	20.98	21.35	21.23	22.60	21.60	22.93	23.29
	4H	19.71	21.00	20.11	21.35	21.73	21.77	23.06	22.17	23.41	23.79
	6H	19.99	21.18	20.40	21.55	21.94	22.15	23.35	22.57	23.71	24.11
	8H	20.08	21.21	20.50	21.60	22.00	22.27	23.41	22.70	23.80	24.20
	12H	20.13	21.22	20.56	21.60	22.03	22.35	23.44	22.78	23.82	24.25
4H	2H	19.25	20.55	19.65	20.90	21.27	20.27	21.56	20.67	21.91	22.29
	3H	20.52	21.60	20.93	22.00	22.40	22.05	23.12	22.46	23.52	23.92
	4H	20.99	21.96	21.43	22.38	22.81	22.70	23.67	23.14	24.09	24.52
	6H	21.33	22.17	21.78	22.61	23.07	23.20	24.04	23.66	24.49	24.94
	8H	21.43	22.22	21.89	22.66	23.13	23.36	24.14	23.82	24.59	25.05
	12H	21.51	22.21	21.99	22.69	23.16	23.47	24.17	23.95	24.65	25.12
8H	4H	21.41	22.19	21.87	22.63	23.10	22.83	23.62	23.30	24.06	24.53
	6H	21.80	22.45	22.30	22.94	23.42	23.43	24.08	23.93	24.57	25.05
	8H	21.95	22.53	22.46	23.04	23.53	23.65	24.23	24.16	24.74	25.23
	12H	22.07	22.59	22.58	23.08	23.64	23.83	24.34	24.34	24.84	25.40
12H	4H	21.45	22.15	21.93	22.63	23.10	22.82	23.53	23.31	24.00	24.47
	6H	21.86	22.44	22.37	22.95	23.44	23.42	24.01	23.94	24.52	25.00
	8H	22.05	22.57	22.56	23.06	23.62	23.68	24.20	24.19	24.69	25.26