

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: P243275

Luminaire Tested: S122RDRP-H865D935-X4F0-XX-UDD-A-W

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2024
Report Number: P243275
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-H865D935-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

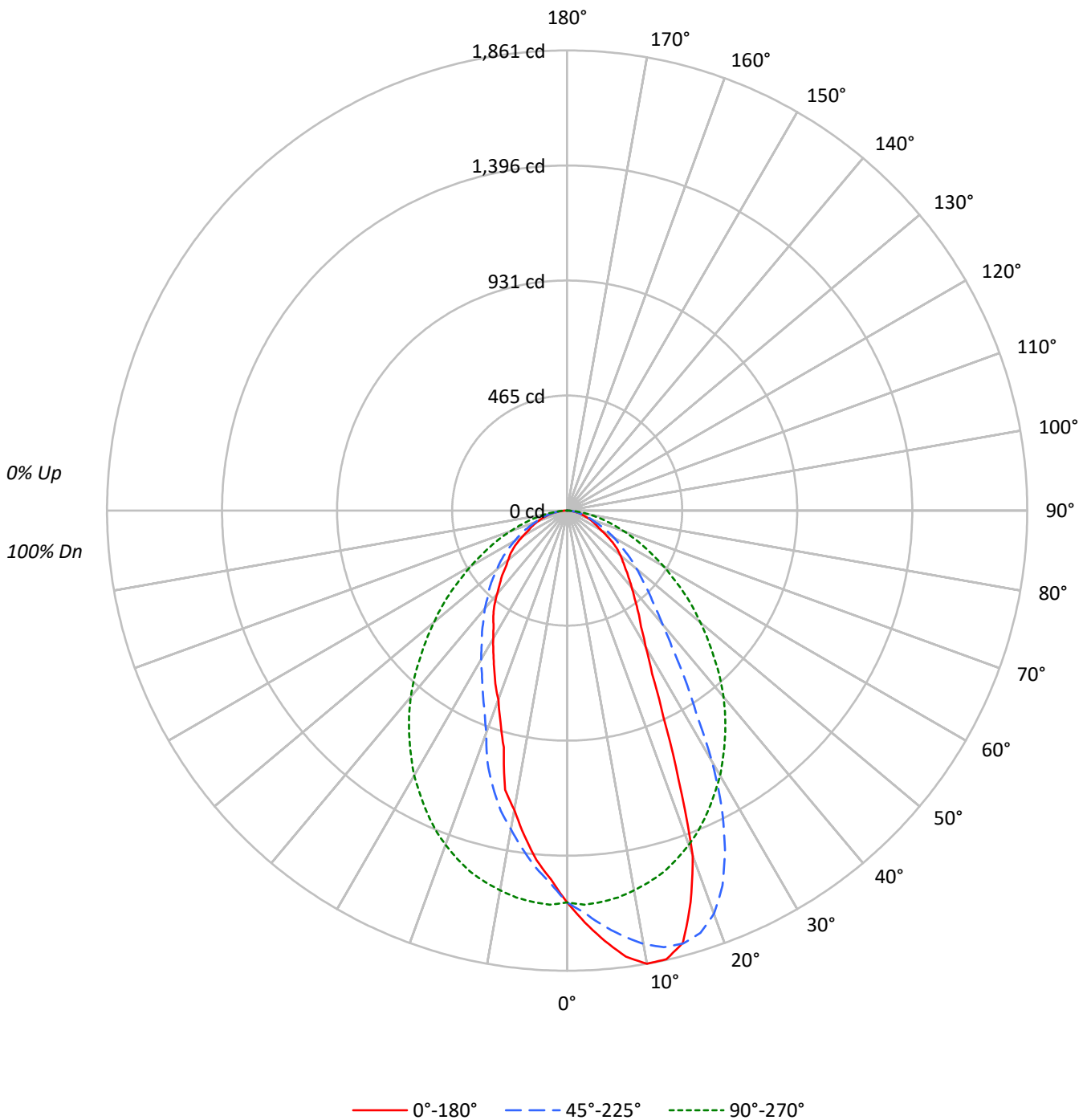
Lumens per Lamp: N/A
Luminaire Lumens: 2669.9 lumens
Efficiency: N/A
Efficacy: 84.8 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 1.17 / 0.99
Luminous Opening: Rectangular (W 3.88' x L: 0.15' x H: 0')
CIE Type: Direct

Input Watts (W): 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	100	100	100	100	100		
1	110	106	103	100	108	104	101	98	100	97	95	96	94	92	93	91	89	87	87	87	87	87	87	87		
2	102	95	89	84	100	93	88	83	90	85	81	86	83	79	84	80	78	76	76	76	76	76	76	76		
3	94	85	78	72	92	84	77	72	81	75	70	78	73	69	76	72	68	66	66	66	66	66	66	66		
4	87	77	69	63	85	76	68	63	73	67	62	71	65	61	69	64	60	58	58	58	58	58	58	58		
5	81	70	62	56	79	69	61	56	67	60	55	65	59	54	63	58	54	52	52	52	52	52	52	52		
6	76	64	56	50	74	63	55	50	61	54	49	60	54	49	58	53	49	47	47	47	47	47	47	47		
7	71	59	51	45	69	58	50	45	56	50	45	55	49	44	54	48	44	42	42	42	42	42	42	42		
8	66	54	46	41	65	53	46	41	52	45	41	51	45	40	50	44	40	38	38	38	38	38	38	38		
9	62	50	43	38	61	50	42	37	48	42	37	47	41	37	46	41	37	35	35	35	35	35	35	35		
10	59	47	39	35	58	46	39	35	45	39	34	44	38	34	44	38	34	33	33	33	33	33	33	33		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	30175	30175	30175	30175	30175
5°	33403	32233	30379	27723	27119
10°	35995	34430	30169	25316	23782
15°	35677	35748	29818	22837	19544
20°	30095	35179	29159	19397	16498
25°	19348	31748	28261	16973	14687
30°	13977	25744	27216	15291	13157
35°	11645	19274	25904	13959	12103
40°	10105	14939	24465	12878	10956
45°	9021	12512	22636	11982	10026
50°	8327	10890	20844	11000	9216
55°	7472	9398	19039	10261	8780
60°	5966	8274	17143	9322	7901
65°	5467	7031	15396	8550	7288
70°	5023	5803	13600	7591	6928
75°	4578	5188	11900	7212	6565
80°	3982	4552	9894	6592	6143
85°	3169	3737	7933	6010	5660

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 29968 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.0	5.6
10°-20°	410.3	15.4
20°-30°	517.2	19.4
30°-40°	496.5	18.6
40°-50°	427.6	16.0
50°-60°	326.9	12.2
60°-70°	208.0	7.8
70°-80°	105.4	3.9
80°-90°	27.8	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°	1077.4	40.4
0°-40°	1573.9	59.0
0°-60°	2328.5	87.2
0°-90°	2669.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2669.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1584	1584	1584	1584	1584	
5°	1747	1686	1589	1450	1418	170
15°	1809	1813	1512	1158	991	491
25°	921	1511	1345	808	699	440
35°	501	829	1114	600	520	315
45°	335	464	840	445	372	261
55°	225	283	573	309	264	198
65°	121	156	342	190	162	121
75°	62	70	162	98	89	66
85°	14	17	36	28	26	17
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°	1584.2	1584.2	1584.2	1584.2	1584.2	1584.2	1584.2	1584.2	1584.2	1584.2	1584.2
2.5°	1668.2	1670.2	1671.3	1668.7	1663.0	1663.5	1658.3	1649.5	1638.6	1628.8	1634.5
5°	1747.0	1749.5	1749.0	1744.4	1738.7	1733.5	1724.7	1712.2	1699.3	1685.8	1683.2
7.5°	1819.5	1825.2	1823.7	1814.9	1810.7	1803.5	1788.4	1774.4	1754.7	1735.5	1727.8
10°	1861.0	1865.7	1863.1	1861.0	1856.3	1849.1	1835.6	1822.1	1800.3	1780.1	1768.7
12.5°	1857.9	1862.0	1864.1	1866.2	1864.6	1862.0	1856.3	1844.9	1827.3	1808.6	1794.1
15°	1809.2	1802.4	1797.8	1810.7	1815.4	1833.0	1837.2	1838.7	1826.8	1812.8	1809.2
17.5°	1660.9	1663.0	1698.7	1693.0	1700.8	1743.8	1760.9	1784.3	1794.1	1791.0	1797.2
20°	1484.7	1460.3	1477.9	1503.8	1528.2	1590.9	1632.4	1669.2	1711.7	1735.5	1758.4
22.5°	1177.8	1178.3	1220.8	1263.3	1318.2	1386.2	1449.4	1519.9	1595.6	1641.7	1695.1
25°	920.6	945.5	964.2	982.9	1062.7	1128.0	1233.2	1318.8	1423.0	1510.6	1600.2
27.5°	744.4	770.3	773.4	815.4	862.6	915.5	984.4	1119.2	1226.0	1354.5	1465.5
30°	635.5	640.7	651.6	662.5	697.2	746.5	820.6	905.1	1023.8	1170.5	1319.3
32.5°	556.7	555.7	566.6	583.7	602.9	636.1	678.0	748.0	855.3	972.0	1145.6
35°	500.8	499.2	507.0	513.2	524.6	551.6	589.4	635.5	712.8	828.9	963.7
37.5°	447.9	451.0	455.7	462.4	477.4	494.5	519.9	558.3	619.5	696.2	825.3
40°	406.4	410.0	415.2	419.9	431.3	445.3	462.4	493.0	533.9	600.8	699.8
42.5°	369.1	370.6	374.8	381.5	389.8	402.3	418.9	442.2	476.4	523.0	609.6
45°	334.9	334.9	339.5	345.8	350.9	362.9	375.8	398.1	424.6	464.5	526.2
47.5°	305.8	306.4	309.0	310.0	315.7	326.6	340.6	358.2	380.0	410.6	468.1
50°	281.0	283.0	284.1	285.6	287.7	293.4	303.3	316.7	340.6	367.5	405.9
52.5°	255.0	257.6	259.7	262.8	265.9	266.4	273.7	282.5	299.1	327.1	358.2
55°	225.0	227.1	231.2	233.8	237.9	241.6	247.3	253.5	264.4	283.0	315.2
57.5°	190.8	191.3	195.4	198.0	206.3	214.6	219.8	226.5	234.3	247.3	271.6
60°	156.6	158.1	158.6	160.7	168.0	176.8	187.1	197.5	205.8	217.2	234.3
62.5°	137.9	138.4	140.0	142.0	142.6	146.7	149.8	162.3	176.8	188.2	199.6
65°	121.3	121.8	121.8	123.4	125.4	127.5	129.1	133.7	140.0	156.0	170.0
67.5°	105.8	105.2	106.3	107.8	108.3	109.9	112.5	115.1	119.2	123.9	138.4
70°	90.2	90.2	89.7	91.2	92.8	93.3	94.9	97.5	100.0	104.2	108.9
72.5°	74.6	75.7	75.7	76.7	77.2	79.3	80.3	81.4	85.0	87.1	90.7
75°	62.2	61.7	63.2	62.7	63.8	64.3	65.8	67.4	68.4	70.5	73.6
77.5°	49.8	48.7	49.8	49.2	50.3	51.3	51.3	52.9	53.9	56.0	57.5
80°	36.3	36.3	36.8	37.8	37.8	38.4	39.4	38.9	41.0	41.5	43.0
82.5°	24.9	25.4	25.4	25.9	25.9	25.9	27.0	27.0	27.5	28.5	29.0
85°	14.5	14.0	14.5	14.5	14.5	15.0	15.6	15.0	16.1	17.1	17.1
87.5°	4.1	4.1	4.7	5.2	5.2	5.7	5.7	5.7	6.2	6.2	6.7
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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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1584.2	1584.2	1584.2	1584.2	1584.2	1584.2	1584.2	1584.2	1584.2	1584.2	1584.2
2.5°	1634.5	1631.9	1625.1	1618.9	1607.5	1598.2	1595.1	1595.6	1581.6	1567.1	1562.9
5°	1679.6	1670.2	1656.8	1642.8	1625.7	1608.5	1597.7	1588.8	1567.1	1545.3	1532.9
7.5°	1716.9	1701.9	1682.2	1659.9	1637.6	1612.2	1594.5	1578.0	1547.9	1518.3	1502.3
10°	1751.1	1729.8	1702.9	1673.9	1644.3	1611.1	1585.7	1559.8	1522.0	1488.8	1461.3
12.5°	1783.8	1750.1	1722.6	1680.6	1647.9	1602.8	1568.1	1538.0	1493.5	1452.0	1421.4
15°	1786.9	1763.0	1726.2	1682.7	1632.9	1590.9	1547.4	1512.1	1461.3	1415.2	1362.8
17.5°	1786.3	1767.7	1729.3	1684.7	1625.1	1570.2	1523.0	1476.9	1418.8	1364.9	1319.8
20°	1767.7	1754.7	1721.6	1668.7	1608.5	1545.3	1492.9	1438.5	1370.6	1315.1	1265.9
22.5°	1723.6	1726.7	1700.8	1653.6	1588.8	1518.3	1457.7	1395.0	1325.5	1261.7	1199.5
25°	1649.0	1682.2	1674.4	1630.3	1561.4	1484.1	1415.2	1344.7	1270.0	1202.1	1144.6
27.5°	1556.2	1618.4	1631.9	1597.7	1531.8	1445.3	1367.0	1290.3	1214.1	1141.0	1081.9
30°	1446.3	1539.1	1573.3	1554.6	1494.0	1403.3	1312.5	1237.4	1153.9	1076.2	1014.0
32.5°	1307.9	1438.0	1498.1	1503.8	1454.1	1356.6	1256.0	1175.2	1089.6	1016.0	949.2
35°	1153.4	1313.1	1411.0	1437.5	1401.7	1305.3	1199.5	1114.0	1022.8	948.6	881.3
37.5°	997.9	1185.5	1314.1	1365.4	1341.6	1248.3	1136.3	1049.7	959.5	883.8	820.6
40°	854.8	1033.1	1200.1	1280.4	1273.1	1186.6	1073.6	983.9	892.1	822.2	752.7
42.5°	726.8	898.9	1082.4	1190.2	1195.9	1120.2	1004.6	914.4	826.3	756.8	684.3
45°	625.7	777.1	959.0	1087.6	1112.5	1050.2	933.1	840.3	760.0	694.6	622.1
47.5°	544.8	662.5	831.5	982.3	1026.4	972.0	860.0	771.9	696.2	640.2	571.8
50°	474.8	585.3	728.8	868.3	933.1	892.1	787.4	703.4	635.0	581.1	521.0
52.5°	412.6	498.2	622.6	756.3	843.4	806.1	716.9	639.7	575.4	525.1	474.8
55°	361.3	432.9	542.7	662.0	742.3	721.6	642.3	573.3	516.8	469.1	428.2
57.5°	308.4	368.6	457.2	563.5	642.3	639.2	573.9	507.5	462.9	417.8	388.3
60°	262.3	311.0	383.1	473.3	552.6	553.1	502.3	450.0	411.6	372.7	344.7
62.5°	221.3	260.2	323.0	395.5	458.8	474.8	437.0	391.4	360.3	330.2	306.4
65°	186.1	215.1	262.3	328.1	377.9	399.7	374.8	341.6	315.7	288.7	267.5
67.5°	153.4	174.7	209.4	261.3	311.0	327.1	316.7	291.3	272.7	250.4	234.3
70°	120.8	138.9	163.3	202.2	243.1	265.4	262.3	244.2	228.6	212.5	197.5
72.5°	95.9	106.3	124.9	152.9	185.6	210.5	211.5	202.2	189.2	175.7	165.9
75°	77.2	81.9	90.7	112.5	138.4	159.1	166.4	161.7	151.4	143.1	136.3
77.5°	59.6	63.8	69.5	79.8	100.0	116.1	124.9	125.4	119.2	112.0	106.8
80°	44.6	46.1	50.3	55.5	65.8	79.8	90.2	90.2	86.6	82.9	79.8
82.5°	30.6	32.1	34.2	36.8	42.0	50.3	59.6	61.2	59.1	58.1	53.9
85°	17.1	18.7	19.7	21.3	23.3	27.5	34.2	36.3	36.8	33.7	31.6
87.5°	6.7	6.7	7.3	7.8	8.3	9.8	12.4	15.6	15.6	14.0	13.5
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°	1584.2	1584.2	1584.2	1584.2	1584.2	1584.2	1584.2	1584.2	1584.2	1584.2	1584.2
2.5°	1557.7	1550.5	1541.2	1532.9	1521.5	1510.1	1508.0	1512.1	1513.2	1508.0	1509.5
5°	1520.9	1507.5	1496.1	1477.4	1465.5	1449.9	1439.6	1439.6	1439.6	1431.8	1424.5
7.5°	1482.6	1464.4	1442.7	1425.0	1400.7	1380.5	1370.6	1365.9	1356.6	1348.8	1340.0
10°	1438.0	1412.6	1385.6	1358.2	1336.9	1308.9	1292.3	1282.0	1265.9	1259.2	1246.2
12.5°	1385.6	1360.2	1327.6	1283.0	1276.8	1242.6	1219.2	1200.1	1180.4	1164.3	1158.6
15°	1343.6	1299.6	1256.0	1224.4	1178.3	1158.1	1123.9	1120.7	1104.7	1057.5	1020.7
17.5°	1275.7	1236.3	1188.1	1152.9	1116.1	1071.0	1034.7	998.9	964.7	931.5	930.5
20°	1215.6	1169.5	1123.9	1085.5	1021.2	956.9	934.6	902.0	881.8	855.3	847.6
22.5°	1149.8	1101.6	1044.5	988.6	913.4	873.0	848.6	822.7	802.5	790.5	778.6
25°	1083.4	1035.2	959.5	890.6	839.3	807.6	786.9	758.9	744.4	734.0	718.5
27.5°	1018.6	957.5	877.6	822.7	781.2	745.4	726.8	704.0	687.9	674.4	664.6
30°	954.3	870.4	802.5	760.0	717.4	695.2	670.8	653.7	641.8	629.3	613.2
32.5°	883.8	795.7	751.7	699.3	674.4	642.3	624.7	607.0	591.5	582.7	577.0
35°	801.9	730.9	691.5	653.2	621.5	600.3	575.4	564.5	556.2	539.1	531.9
37.5°	732.5	681.2	639.7	605.5	576.4	553.6	542.2	523.6	511.6	505.9	498.2
40°	674.9	629.3	593.5	558.8	534.5	517.9	497.6	487.8	472.2	466.5	460.3
42.5°	625.2	583.2	545.9	519.4	498.2	475.4	465.0	448.4	441.7	427.7	422.5
45°	574.9	537.6	504.9	479.0	458.8	444.8	426.1	415.7	403.8	396.6	382.6
47.5°	524.6	491.4	464.5	442.7	425.1	408.0	392.4	383.6	368.6	360.8	353.5
50°	485.7	453.6	428.2	406.4	388.3	371.2	361.3	346.8	333.3	324.5	321.9
52.5°	439.6	411.6	388.3	371.7	353.5	341.1	327.6	311.5	304.8	296.0	293.9
55°	398.6	375.8	356.1	338.5	323.0	309.0	293.4	282.0	276.8	272.7	269.6
57.5°	360.3	338.5	320.4	304.3	290.8	276.3	263.3	256.6	251.9	247.3	244.2
60°	322.4	302.7	286.1	272.7	258.7	244.7	235.3	229.6	226.0	219.3	217.2
62.5°	288.7	270.6	253.5	241.0	228.1	217.2	209.4	201.7	195.9	190.8	179.9
65°	251.9	235.9	222.9	210.5	198.0	189.7	180.9	172.1	164.8	164.8	164.8
67.5°	219.3	205.3	191.8	180.9	170.0	160.2	151.4	150.8	148.3	147.2	145.7
70°	186.1	176.3	163.8	151.9	141.0	136.3	134.8	132.2	129.1	128.6	126.5
72.5°	156.0	144.6	133.2	122.9	120.8	118.7	115.6	113.0	110.9	109.4	108.3
75°	127.5	116.1	106.8	104.2	101.6	98.0	95.4	93.3	92.3	92.3	91.8
77.5°	97.5	90.7	86.6	82.4	80.3	78.3	76.7	75.7	74.1	74.6	73.6
80°	71.5	69.5	65.8	63.2	62.2	60.1	59.1	58.6	57.5	57.5	57.0
82.5°	51.3	47.7	46.1	44.6	43.5	42.5	43.0	42.5	42.0	41.5	42.0
85°	29.5	29.0	28.0	28.0	28.0	27.5	27.5	27.5	27.0	26.4	26.4
87.5°	13.0	13.5	13.5	12.4	14.0	14.0	13.5	13.5	13.0	14.0	13.0
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: P243275

CATALOG NUMBER: S122RDRP-H865D935-X4F0-XX-UDD-A-W

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	1584.2	1584.2	1584.2	1584.2
2.5°	1502.8	1502.3	1499.2	1494.0
5°	1421.4	1419.3	1414.2	1418.3
7.5°	1334.3	1328.6	1323.4	1326.0
10°	1241.0	1238.9	1235.8	1229.6
12.5°	1137.9	1146.1	1137.3	1157.0
15°	984.9	1021.7	975.6	991.1
17.5°	908.7	909.2	903.0	895.8
20°	837.2	819.0	825.8	813.9
22.5°	768.2	764.1	762.0	757.9
25°	706.6	698.8	696.2	698.8
27.5°	660.9	657.3	647.5	645.9
30°	603.9	602.4	599.3	598.2
32.5°	568.1	561.4	559.9	553.6
35°	528.2	524.6	522.0	520.5
37.5°	488.3	486.2	481.6	484.2
40°	455.7	445.3	441.1	440.6
42.5°	419.9	414.2	405.9	403.3
45°	378.4	375.8	373.2	372.2
47.5°	342.1	340.6	337.5	335.9
50°	316.2	312.1	311.5	311.0
52.5°	291.3	289.8	288.2	290.3
55°	268.0	265.9	264.4	264.4
57.5°	242.6	239.0	235.9	236.4
60°	213.1	211.0	208.4	207.4
62.5°	178.8	178.8	178.3	178.3
65°	162.8	161.7	161.2	161.7
67.5°	145.1	144.1	142.6	143.1
70°	124.9	124.4	124.9	124.4
72.5°	106.8	106.3	106.8	107.8
75°	90.2	89.7	89.2	89.2
77.5°	73.1	72.6	71.5	72.6
80°	57.0	56.5	56.0	56.0
82.5°	40.4	41.0	40.4	40.4
85°	26.4	27.0	26.4	25.9
87.5°	13.5	14.0	13.0	12.4
90°	0.0	0.0	0.0	0.0



TEST NUMBER: P243275
 CATALOG NUMBER: S122RDRP-H865D935-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	16.68	18.13	17.04	18.45	18.76	23.01	24.47	23.37	24.78	25.09
	3H	17.85	19.15	18.23	19.48	19.84	24.26	25.56	24.64	25.89	26.25
	4H	18.31	19.53	18.71	19.88	20.26	24.69	25.91	25.09	26.26	26.64
	6H	18.64	19.76	19.05	20.13	20.52	24.99	26.11	25.40	26.48	26.87
	8H	18.74	19.81	19.16	20.20	20.60	25.07	26.14	25.50	26.53	26.93
	12H	18.79	19.81	19.22	20.20	20.63	25.12	26.14	25.55	26.53	26.96
4H	2H	17.40	18.62	17.80	18.97	19.35	22.99	24.21	23.39	24.56	24.94
	3H	18.73	19.74	19.14	20.14	20.54	24.38	25.39	24.79	25.79	26.19
	4H	19.28	20.19	19.71	20.60	21.04	24.91	25.81	25.34	26.23	26.67
	6H	19.71	20.50	20.17	20.94	21.40	25.32	26.11	25.78	26.55	27.02
	8H	19.84	20.58	20.31	21.02	21.49	25.45	26.19	25.92	26.64	27.10
	12H	19.92	20.58	20.41	21.06	21.53	25.55	26.20	26.03	26.68	27.15
8H	4H	19.63	20.36	20.09	20.81	21.28	24.90	25.64	25.37	26.08	26.55
	6H	20.15	20.76	20.65	21.25	21.73	25.37	25.97	25.87	26.47	26.95
	8H	20.34	20.88	20.85	21.39	21.88	25.54	26.08	26.05	26.59	27.08
	12H	20.47	20.95	20.98	21.44	22.01	25.68	26.16	26.19	26.65	27.22
12H	4H	19.67	20.32	20.15	20.80	21.28	24.88	25.54	25.37	26.02	26.49
	6H	20.21	20.76	20.73	21.27	21.76	25.35	25.89	25.86	26.40	26.89
	8H	20.45	20.93	20.96	21.42	21.99	25.55	26.03	26.06	26.52	27.09