

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: P243274

Luminaire Tested: S122RDRP-H675D935-X4F0-XX-UDD-A-W

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2024
Report Number: P243274
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-H675D935-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

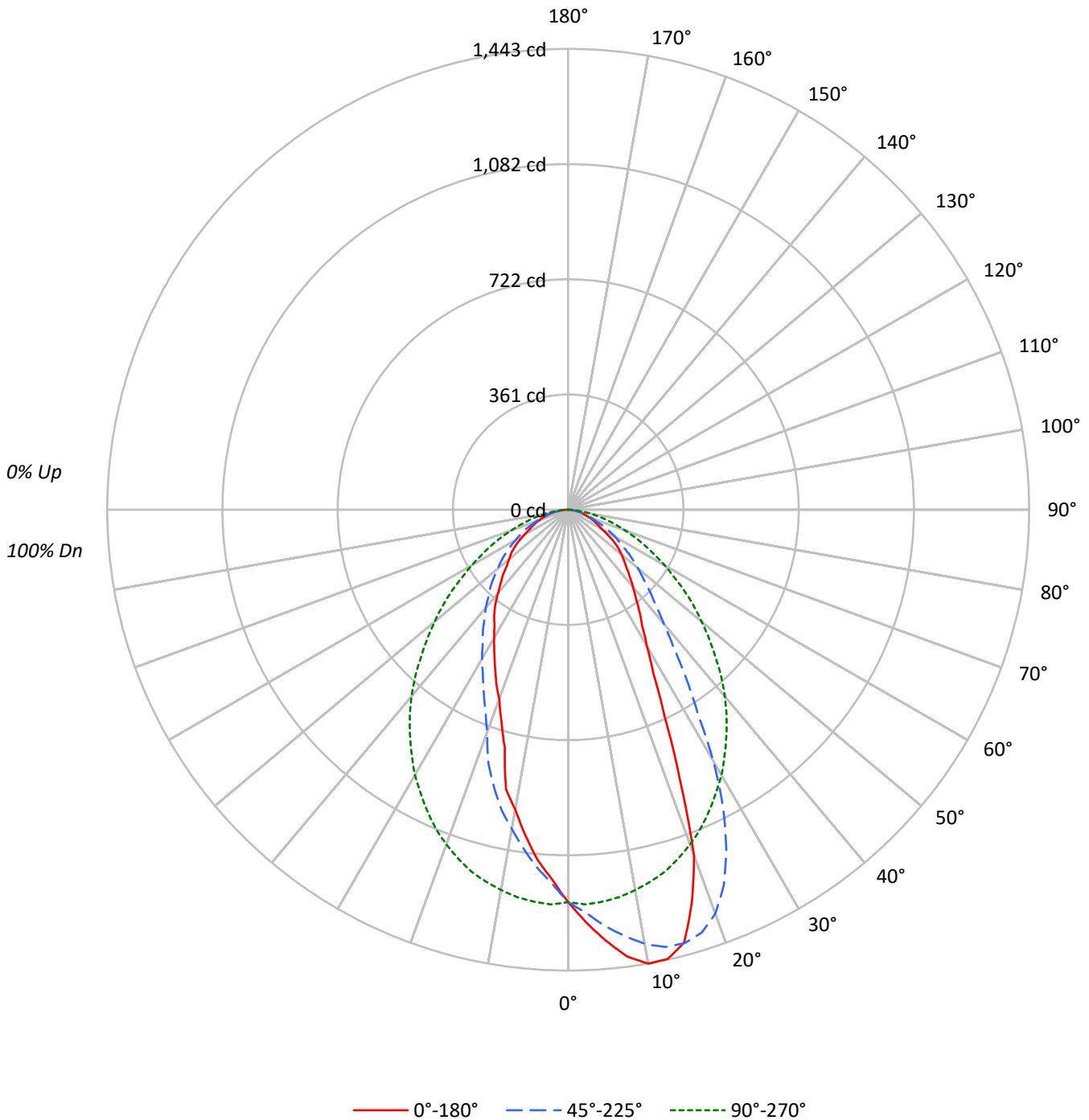
Lumens per Lamp: N/A
Luminaire Lumens: 2070.3 lumens
Efficiency: N/A
Efficacy: 87.7 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 1.17 / 0.99
Luminous Opening: Rectangular (W 3.88' x L: 0.15' x H: 0')
CIE Type: Direct

Input Watts (W): 23.6
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: P243274

CATALOG NUMBER: S122RDRP-H675D935-X4F0-XX-UDD-A-W

Luminous Intensity Polar Plot



TEST NUMBER: P243274

CATALOG NUMBER: S122RDRP-H675D935-X4F0-XX-UDD-A-W

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°	23398	23398	23398	23398	23398
5°	25901	24994	23556	21497	21029
10°	27912	26697	23394	19632	18442
15°	27665	27720	23121	17708	15157
20°	23335	27280	22609	15040	12792
25°	15004	24617	21914	13163	11387
30°	10839	19962	21104	11855	10203
35°	9029	14945	20086	10824	9385
40°	7835	11585	18970	9986	8496
45°	6996	9703	17552	9291	7774
50°	6457	8445	16165	8528	7147
55°	5795	7289	14765	7957	6808
60°	4625	6415	13291	7227	6126
65°	4241	5454	11939	6630	5652
70°	3893	4500	10542	5887	5374
75°	3547	4026	9229	5593	5085
80°	3082	3532	7667	5112	4761
85°	2470	2907	6141	4655	4393

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 23236 cd/sqm



TEST NUMBER: P243274

CATALOG NUMBER: S122RDRP-H675D935-X4F0-XX-UDD-A-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.3	5.6
10°-20°	318.2	15.4
20°-30°	401.0	19.4
30°-40°	385.0	18.6
40°-50°	331.6	16.0
50°-60°	253.5	12.2
60°-70°	161.3	7.8
70°-80°	81.8	3.9
80°-90°	21.6	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°	835.5	40.4
0°-40°	1220.5	59.0
0°-60°	1805.6	87.2
0°-90°	2070.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2070.3	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1228	1228	1228	1228	1228	
5°	1355	1307	1232	1124	1100	132
15°	1403	1406	1172	898	769	380
25°	714	1171	1043	626	542	341
35°	388	643	864	466	404	245
45°	260	360	652	345	289	202
55°	174	220	445	240	205	154
65°	94	121	265	147	125	94
75°	48	55	125	76	69	51
85°	11	13	28	21	20	13
90°	0	0	0	0	0	



TEST NUMBER: P243274

CATALOG NUMBER: S122RDRP-H675D935-X4F0-XX-UDD-A-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1228.4	1228.4	1228.4	1228.4	1228.4	1228.4	1228.4	1228.4	1228.4	1228.4	1228.4
2.5°	1293.5	1295.1	1295.9	1293.9	1289.5	1289.9	1285.9	1279.0	1270.6	1263.0	1267.4
5°	1354.6	1356.6	1356.2	1352.6	1348.2	1344.2	1337.3	1327.7	1317.6	1307.2	1305.2
7.5°	1410.9	1415.3	1414.1	1407.3	1404.1	1398.4	1386.8	1375.9	1360.6	1345.8	1339.7
10°	1443.1	1446.7	1444.7	1443.1	1439.4	1433.8	1423.4	1412.9	1396.0	1380.3	1371.5
12.5°	1440.6	1443.9	1445.5	1447.1	1445.9	1443.9	1439.4	1430.6	1416.9	1402.5	1391.2
15°	1402.9	1397.6	1394.0	1404.1	1407.7	1421.3	1424.6	1425.8	1416.5	1405.7	1402.9
17.5°	1287.9	1289.5	1317.2	1312.8	1318.8	1352.2	1365.5	1383.6	1391.2	1388.8	1393.6
20°	1151.2	1132.3	1146.0	1166.1	1185.0	1233.6	1265.8	1294.3	1327.3	1345.8	1363.5
22.5°	913.3	913.7	946.6	979.6	1022.2	1074.9	1123.9	1178.6	1237.2	1273.0	1314.4
25°	713.9	733.2	747.7	762.1	824.0	874.7	956.3	1022.6	1103.4	1171.3	1240.9
27.5°	577.2	597.3	599.7	632.3	668.9	709.9	763.3	867.8	950.6	1050.3	1136.4
30°	492.8	496.8	505.3	513.7	540.6	578.8	636.3	701.8	793.9	907.6	1023.0
32.5°	431.7	430.9	439.3	452.6	467.5	493.2	525.8	580.0	663.2	753.7	888.3
35°	388.3	387.1	393.1	397.9	406.8	427.7	457.0	492.8	552.7	642.7	747.3
37.5°	347.3	349.7	353.3	358.6	370.2	383.5	403.2	432.9	480.3	539.8	639.9
40°	315.1	318.0	322.0	325.6	334.4	345.3	358.6	382.3	414.0	465.9	542.7
42.5°	286.2	287.4	290.6	295.8	302.3	311.9	324.8	342.9	369.4	405.6	472.7
45°	259.7	259.7	263.3	268.1	272.1	281.4	291.4	308.7	329.2	360.2	408.0
47.5°	237.2	237.6	239.6	240.4	244.8	253.2	264.1	277.8	294.6	318.4	363.0
50°	217.9	219.5	220.3	221.5	223.1	227.5	235.1	245.6	264.1	285.0	314.7
52.5°	197.8	199.8	201.4	203.8	206.2	206.6	212.2	219.1	231.9	253.6	277.8
55°	174.5	176.1	179.3	181.3	184.5	187.3	191.7	196.6	205.0	219.5	244.4
57.5°	147.9	148.3	151.5	153.6	160.0	166.4	170.4	175.7	181.7	191.7	210.6
60°	121.4	122.6	123.0	124.6	130.2	137.1	145.1	153.1	159.6	168.4	181.7
62.5°	106.9	107.3	108.5	110.1	110.5	113.8	116.2	125.8	137.1	145.9	154.8
65°	94.1	94.5	94.5	95.7	97.3	98.9	100.1	103.7	108.5	121.0	131.8
67.5°	82.0	81.6	82.4	83.6	84.0	85.2	87.2	89.2	92.5	96.1	107.3
70°	69.9	69.9	69.5	70.7	72.0	72.4	73.6	75.6	77.6	80.8	84.4
72.5°	57.9	58.7	58.7	59.5	59.9	61.5	62.3	63.1	65.9	67.5	70.3
75°	48.2	47.8	49.0	48.6	49.4	49.8	51.0	52.3	53.1	54.7	57.1
77.5°	38.6	37.8	38.6	38.2	39.0	39.8	39.8	41.0	41.8	43.4	44.6
80°	28.1	28.1	28.5	29.3	29.3	29.7	30.5	30.1	31.8	32.2	33.4
82.5°	19.3	19.7	19.7	20.1	20.1	20.1	20.9	20.9	21.3	22.1	22.5
85°	11.3	10.9	11.3	11.3	11.3	11.7	12.1	11.7	12.5	13.3	13.3
87.5°	3.2	3.2	3.6	4.0	4.0	4.4	4.4	4.4	4.8	4.8	5.2
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: P243274

CATALOG NUMBER: S122RDRP-H675D935-X4F0-XX-UDD-A-W

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1228.4	1228.4	1228.4	1228.4	1228.4	1228.4	1228.4	1228.4	1228.4	1228.4	1228.4
2.5°	1267.4	1265.4	1260.2	1255.3	1246.5	1239.3	1236.8	1237.2	1226.4	1215.1	1211.9
5°	1302.4	1295.1	1284.7	1273.8	1260.6	1247.3	1238.9	1232.0	1215.1	1198.3	1188.6
7.5°	1331.3	1319.6	1304.4	1287.1	1269.8	1250.1	1236.4	1223.6	1200.3	1177.4	1164.9
10°	1357.8	1341.4	1320.5	1297.9	1275.0	1249.3	1229.6	1209.5	1180.2	1154.4	1133.1
12.5°	1383.2	1357.0	1335.7	1303.2	1277.8	1242.9	1215.9	1192.6	1158.1	1125.9	1102.2
15°	1385.6	1367.1	1338.5	1304.8	1266.2	1233.6	1199.9	1172.5	1133.1	1097.4	1056.8
17.5°	1385.2	1370.7	1341.0	1306.4	1260.2	1217.5	1181.0	1145.2	1100.2	1058.4	1023.4
20°	1370.7	1360.6	1334.9	1293.9	1247.3	1198.3	1157.7	1115.4	1062.8	1019.8	981.6
22.5°	1336.5	1338.9	1318.8	1282.3	1232.0	1177.4	1130.3	1081.7	1027.8	978.4	930.1
25°	1278.6	1304.4	1298.3	1264.2	1210.7	1150.8	1097.4	1042.7	984.8	932.2	887.5
27.5°	1206.7	1254.9	1265.4	1238.9	1187.8	1120.7	1060.0	1000.5	941.4	884.7	838.9
30°	1121.5	1193.4	1220.0	1205.5	1158.5	1088.1	1017.8	959.5	894.8	834.5	786.2
32.5°	1014.2	1115.0	1161.7	1166.1	1127.5	1051.9	974.0	911.3	844.9	787.8	736.0
35°	894.4	1018.2	1094.1	1114.6	1086.9	1012.1	930.1	863.8	793.1	735.6	683.3
37.5°	773.8	919.3	1019.0	1058.8	1040.3	967.9	881.1	814.0	744.0	685.3	636.3
40°	662.8	801.1	930.5	992.9	987.2	920.1	832.5	762.9	691.8	637.5	583.7
42.5°	563.6	697.0	839.3	922.9	927.3	868.6	779.0	709.1	640.7	586.9	530.6
45°	485.2	602.5	743.6	843.3	862.6	814.4	723.5	651.6	589.3	538.6	482.4
47.5°	422.5	513.7	644.7	761.7	795.9	753.7	666.9	598.5	539.8	496.4	443.4
50°	368.2	453.8	565.2	673.3	723.5	691.8	610.6	545.5	492.4	450.6	404.0
52.5°	320.0	386.3	482.8	586.5	654.0	625.1	555.9	496.0	446.2	407.2	368.2
55°	280.2	335.6	420.9	513.3	575.6	559.5	498.0	444.6	400.8	363.8	332.0
57.5°	239.2	285.8	354.5	436.9	498.0	495.6	445.0	393.5	359.0	324.0	301.1
60°	203.4	241.2	297.1	367.0	428.5	428.9	389.5	348.9	319.2	289.0	267.3
62.5°	171.6	201.8	250.4	306.7	355.7	368.2	338.9	303.5	279.4	256.1	237.6
65°	144.3	166.8	203.4	254.4	293.0	309.9	290.6	264.9	244.8	223.9	207.4
67.5°	119.0	135.5	162.4	202.6	241.2	253.6	245.6	225.9	211.4	194.1	181.7
70°	93.7	107.7	126.6	156.8	188.5	205.8	203.4	189.3	177.3	164.8	153.1
72.5°	74.4	82.4	96.9	118.6	143.9	163.2	164.0	156.8	146.7	136.3	128.6
75°	59.9	63.5	70.3	87.2	107.3	123.4	129.0	125.4	117.4	110.9	105.7
77.5°	46.2	49.4	53.9	61.9	77.6	90.0	96.9	97.3	92.5	86.8	82.8
80°	34.6	35.8	39.0	43.0	51.0	61.9	69.9	69.9	67.1	64.3	61.9
82.5°	23.7	24.9	26.5	28.5	32.6	39.0	46.2	47.4	45.8	45.0	41.8
85°	13.3	14.5	15.3	16.5	18.1	21.3	26.5	28.1	28.5	26.1	24.5
87.5°	5.2	5.2	5.6	6.0	6.4	7.6	9.6	12.1	12.1	10.9	10.5
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: P243274

CATALOG NUMBER: S122RDRP-H675D935-X4F0-XX-UDD-A-W

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1228.4	1228.4	1228.4	1228.4	1228.4	1228.4	1228.4	1228.4	1228.4	1228.4	1228.4
2.5°	1207.9	1202.3	1195.0	1188.6	1179.8	1170.9	1169.3	1172.5	1173.3	1169.3	1170.5
5°	1179.4	1168.9	1160.1	1145.6	1136.4	1124.3	1116.3	1116.3	1116.3	1110.2	1104.6
7.5°	1149.6	1135.5	1118.7	1105.0	1086.1	1070.4	1062.8	1059.2	1051.9	1045.9	1039.1
10°	1115.0	1095.4	1074.4	1053.1	1036.7	1015.0	1002.1	994.1	981.6	976.4	966.3
12.5°	1074.4	1054.8	1029.4	994.9	990.0	963.5	945.4	930.5	915.3	902.8	898.4
15°	1041.9	1007.7	974.0	949.4	913.7	898.0	871.5	869.0	856.6	820.0	791.5
17.5°	989.2	958.7	921.3	894.0	865.4	830.5	802.3	774.6	748.1	722.3	721.5
20°	942.6	906.8	871.5	841.7	791.9	742.0	724.7	699.4	683.7	663.2	657.2
22.5°	891.6	854.2	810.0	766.5	708.3	676.9	658.0	637.9	622.2	613.0	603.7
25°	840.1	802.7	744.0	690.6	650.8	626.3	610.2	588.5	577.2	569.2	557.1
27.5°	789.9	742.4	680.5	637.9	605.8	578.0	563.6	545.9	533.4	523.0	515.3
30°	740.0	674.9	622.2	589.3	556.3	539.0	520.1	506.9	497.6	488.0	475.5
32.5°	685.3	617.0	582.8	542.2	523.0	498.0	484.4	470.7	458.6	451.8	447.4
35°	621.8	566.8	536.2	506.5	482.0	465.5	446.2	437.7	431.3	418.0	412.4
37.5°	568.0	528.2	496.0	469.5	447.0	429.3	420.5	406.0	396.7	392.3	386.3
40°	523.4	488.0	460.2	433.3	414.4	401.6	385.9	378.2	366.2	361.8	356.9
42.5°	484.8	452.2	423.3	402.8	386.3	368.6	360.6	347.7	342.5	331.6	327.6
45°	445.8	416.8	391.5	371.4	355.7	344.9	330.4	322.4	313.1	307.5	296.6
47.5°	406.8	381.1	360.2	343.3	329.6	316.3	304.3	297.5	285.8	279.8	274.1
50°	376.6	351.7	332.0	315.1	301.1	287.8	280.2	268.9	258.5	251.6	249.6
52.5°	340.9	319.2	301.1	288.2	274.1	264.5	254.0	241.6	236.4	229.5	227.9
55°	309.1	291.4	276.1	262.5	250.4	239.6	227.5	218.7	214.6	211.4	209.0
57.5°	279.4	262.5	248.4	236.0	225.5	214.2	204.2	199.0	195.4	191.7	189.3
60°	250.0	234.7	221.9	211.4	200.6	189.7	182.5	178.1	175.3	170.0	168.4
62.5°	223.9	209.8	196.6	186.9	176.9	168.4	162.4	156.4	151.9	147.9	139.5
65°	195.4	182.9	172.8	163.2	153.6	147.1	140.3	133.5	127.8	127.8	127.8
67.5°	170.0	159.2	148.7	140.3	131.8	124.2	117.4	117.0	115.0	114.2	113.0
70°	144.3	136.7	127.0	117.8	109.3	105.7	104.5	102.5	100.1	99.7	98.1
72.5°	121.0	112.1	103.3	95.3	93.7	92.0	89.6	87.6	86.0	84.8	84.0
75°	98.9	90.0	82.8	80.8	78.8	76.0	74.0	72.4	71.5	71.5	71.1
77.5°	75.6	70.3	67.1	63.9	62.3	60.7	59.5	58.7	57.5	57.9	57.1
80°	55.5	53.9	51.0	49.0	48.2	46.6	45.8	45.4	44.6	44.6	44.2
82.5°	39.8	37.0	35.8	34.6	33.8	33.0	33.4	33.0	32.6	32.2	32.6
85°	22.9	22.5	21.7	21.7	21.7	21.3	21.3	21.3	20.9	20.5	20.5
87.5°	10.0	10.5	10.5	9.6	10.9	10.9	10.5	10.5	10.0	10.9	10.0
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: P243274

CATALOG NUMBER: S122RDRP-H675D935-X4F0-XX-UDD-A-W

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	1228.4	1228.4	1228.4	1228.4
2.5°	1165.3	1164.9	1162.5	1158.5
5°	1102.2	1100.6	1096.6	1099.8
7.5°	1034.7	1030.2	1026.2	1028.2
10°	962.3	960.7	958.3	953.5
12.5°	882.3	888.7	881.9	897.2
15°	763.7	792.3	756.5	768.6
17.5°	704.6	705.0	700.2	694.6
20°	649.2	635.1	640.3	631.1
22.5°	595.7	592.5	590.9	587.7
25°	547.9	541.8	539.8	541.8
27.5°	512.5	509.7	502.1	500.8
30°	468.3	467.1	464.7	463.9
32.5°	440.6	435.3	434.1	429.3
35°	409.6	406.8	404.8	403.6
37.5°	378.6	377.0	373.4	375.4
40°	353.3	345.3	342.1	341.7
42.5°	325.6	321.2	314.7	312.7
45°	293.4	291.4	289.4	288.6
47.5°	265.3	264.1	261.7	260.5
50°	245.2	242.0	241.6	241.2
52.5°	225.9	224.7	223.5	225.1
55°	207.8	206.2	205.0	205.0
57.5°	188.1	185.3	182.9	183.3
60°	165.2	163.6	161.6	160.8
62.5°	138.7	138.7	138.3	138.3
65°	126.2	125.4	125.0	125.4
67.5°	112.5	111.7	110.5	110.9
70°	96.9	96.5	96.9	96.5
72.5°	82.8	82.4	82.8	83.6
75°	69.9	69.5	69.1	69.1
77.5°	56.7	56.3	55.5	56.3
80°	44.2	43.8	43.4	43.4
82.5°	31.4	31.8	31.4	31.4
85°	20.5	20.9	20.5	20.1
87.5°	10.5	10.9	10.0	9.6
90°	0.0	0.0	0.0	0.0



TEST NUMBER: P243274
 CATALOG NUMBER: S122RDRP-H675D935-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	15.79	17.25	16.16	17.56	17.88	22.13	23.58	22.49	23.89	24.21
	3H	16.97	18.27	17.34	18.60	18.96	23.38	24.68	23.75	25.01	25.37
	4H	17.42	18.64	17.82	18.99	19.37	23.81	25.03	24.21	25.38	25.76
	6H	17.75	18.88	18.17	19.25	19.64	24.10	25.23	24.52	25.60	25.99
	8H	17.85	18.92	18.28	19.31	19.72	24.19	25.26	24.62	25.65	26.05
	12H	17.91	18.93	18.34	19.31	19.74	24.24	25.26	24.67	25.64	26.07
4H	2H	16.52	17.74	16.92	18.09	18.47	22.11	23.33	22.51	23.68	24.06
	3H	17.85	18.86	18.26	19.26	19.66	23.49	24.50	23.90	24.90	25.31
	4H	18.40	19.30	18.83	19.72	20.16	24.02	24.93	24.46	25.35	25.79
	6H	18.83	19.62	19.29	20.06	20.52	24.44	25.23	24.90	25.67	26.13
	8H	18.96	19.69	19.42	20.14	20.61	24.57	25.31	25.04	25.75	26.22
	12H	19.04	19.70	19.52	20.17	20.65	24.66	25.32	25.15	25.80	26.27
8H	4H	18.74	19.48	19.21	19.92	20.39	24.02	24.76	24.48	25.20	25.67
	6H	19.27	19.87	19.76	20.36	20.84	24.48	25.09	24.98	25.58	26.06
	8H	19.45	19.99	19.97	20.51	21.00	24.65	25.20	25.17	25.71	26.20
	12H	19.59	20.06	20.10	20.56	21.12	24.80	25.28	25.31	25.77	26.34
12H	4H	18.78	19.44	19.27	19.92	20.39	24.00	24.65	24.48	25.13	25.61
	6H	19.33	19.87	19.84	20.38	20.87	24.46	25.01	24.98	25.52	26.01
	8H	19.56	20.04	20.07	20.54	21.10	24.67	25.15	25.18	25.64	26.21