

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: CORELITE

Report Number: P1427630

Luminaire Tested: SQ2W-BBN-K-125U-075D-L930-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1427630
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G3-2308-130-1)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-BBN-K-125U-075D-L930-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - BLACK DISCREET BAFFLE, NARROW 35-DEGREE OPTIC
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 750 LUMENS PER FOOT
UPLIGHT 1250 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

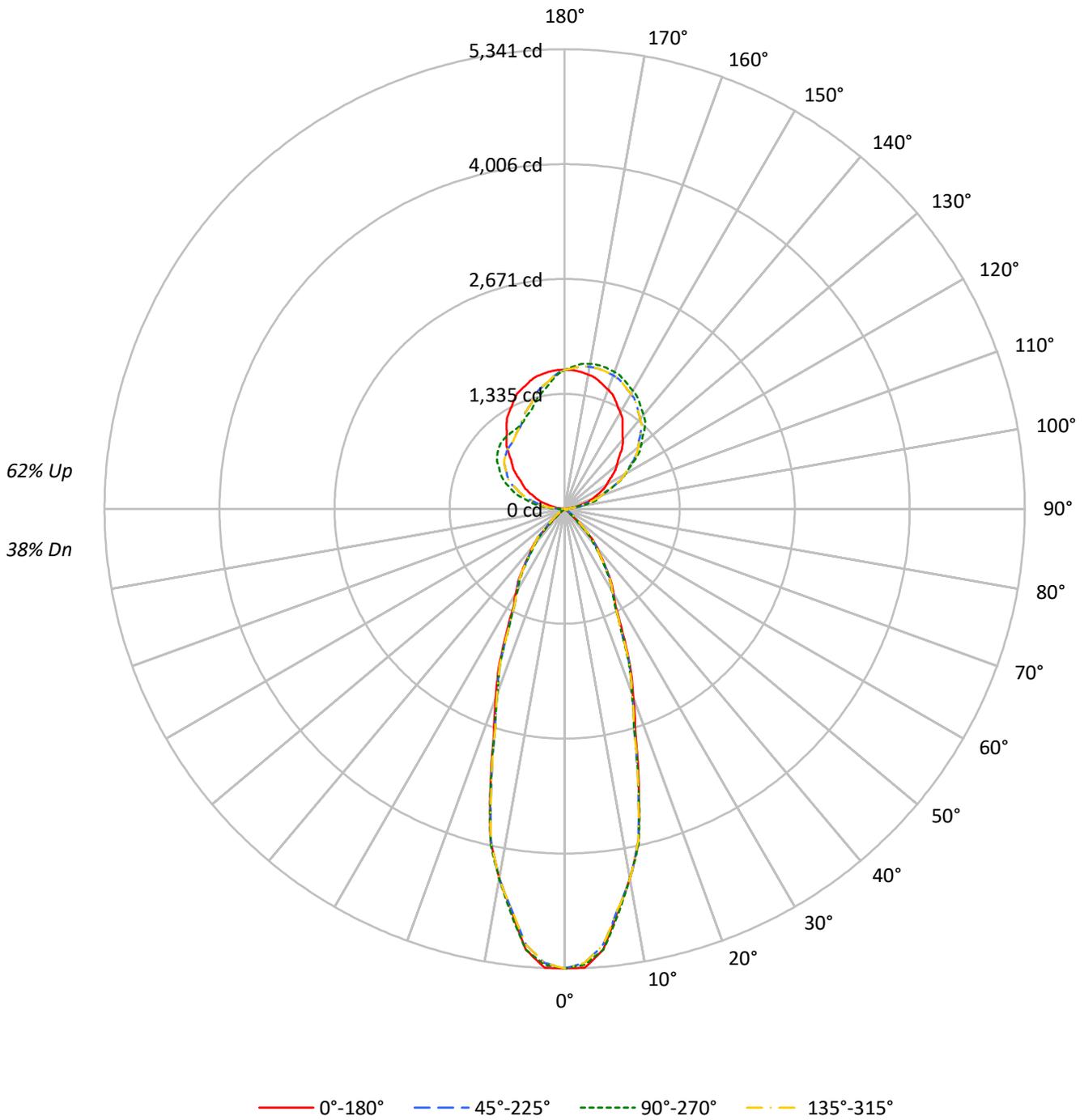
Lumens per Lamp: N/A
Luminaire Lumens: 7608.5 lumens
Efficiency: N/A
Efficacy: 106.3 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.62
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 71.6
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	0
RCR																		
0	104	104	104	104	95	95	95	95	77	77	77	60	60	60	45	45	45	38
1	97	93	90	87	88	85	83	80	70	68	67	56	55	54	43	42	42	36
2	90	84	79	75	82	77	73	69	64	61	59	52	50	48	40	39	38	33
3	84	76	70	65	76	70	65	61	58	55	52	48	46	44	38	37	36	31
4	78	69	63	58	71	64	58	54	54	50	47	44	42	40	36	34	33	29
5	73	63	56	51	67	58	53	48	50	46	42	41	39	37	34	32	31	28
6	68	58	51	46	62	54	48	44	46	42	39	39	36	34	32	30	29	26
7	64	53	47	42	59	50	44	40	43	39	35	36	33	31	30	28	27	24
8	60	49	43	38	55	46	40	37	40	36	33	34	31	29	29	27	25	23
9	56	46	40	35	52	43	37	34	37	33	30	32	29	27	27	25	24	22
10	53	43	37	33	49	40	35	31	35	31	28	30	28	25	26	24	23	21

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	86235	86235	86235	86235
5°	83351	83398	83351	83398
10°	71533	71533	71533	71533
15°	55523	55394	55523	55394
20°	40071	39212	40071	39212
25°	28413	27333	28413	27333
30°	21140	20403	21140	20403
35°	16448	15689	16448	15689
40°	12172	11118	12172	11118
45°	6220	5012	6220	5012
50°	1354	992	1354	992
55°	380	298	380	298
60°	61	32	61	32
65°	0	0	0	0
70°	0	0	0	0
75°	0	0	0	0
80°	0	0	0	0
85°	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 7587 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	461.9	6.1
10°-20°	910.6	12.0
20°-30°	734.5	9.7
30°-40°	510.3	6.7
40°-50°	235.7	3.1
50°-60°	33.0	0.4
60°-70°	1.1	0.0
70°-80°	0.0	0.0
80°-90°	8.6	0.1
90°-100°	128.5	1.7
100°-110°	374.8	4.9
110°-120°	611.6	8.0
120°-130°	776.1	10.2
130°-140°	830.4	10.9
140°-150°	775.4	10.2
150°-160°	638.1	8.4
160°-170°	427.9	5.6
170°-180°	151.9	2.0
0°-30°	2107.0	27.7
0°-40°	2617.3	34.4
0°-60°	2886.0	37.9
0°-90°	2895.7	38.1
90°-120°	1114.9	14.7
90°-150°	3496.8	46.0
90°-180°	4715.0	62.0
0°-180°	7608.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	5341	5341	5341	5341	5341	
5°	5143	5146	5143	5146	5143	462
15°	3322	3314	3322	3314	3322	914
25°	1595	1534	1595	1534	1595	747
35°	834	796	834	796	834	522
45°	272	220	272	220	272	220
55°	14	11	14	11	14	17
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	5	36	5	70	5	4
95°	51	38	51	220	51	61
105°	238	382	238	525	238	253
115°	457	633	457	780	457	450
125°	675	1003	675	956	675	604
135°	918	1313	918	1058	918	710
145°	1173	1514	1173	1081	1173	734
155°	1393	1644	1393	1122	1393	640
165°	1540	1714	1540	1292	1540	433
175°	1610	1678	1610	1515	1610	153
180°	1615	1615	1615	1615	1615	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	5341.1	5341.1	5341.1	5341.1	5341.1	5341.1	5341.1	5341.1	5341.1	5341.1	5341.1
2.5°	5338.0	5329.1	5320.2	5302.6	5282.1	5281.2	5300.0	5312.7	5306.9	5301.1	5306.9
5°	5142.8	5130.4	5118.0	5103.0	5087.2	5093.2	5121.0	5142.3	5144.0	5145.7	5144.0
7.5°	4712.0	4716.0	4720.0	4709.8	4694.7	4702.6	4733.4	4755.6	4752.3	4749.0	4752.3
10°	4363.2	4366.2	4369.2	4368.6	4366.9	4371.2	4381.5	4386.3	4374.7	4363.2	4374.7
12.5°	3958.9	3970.8	3982.7	3969.0	3946.7	3943.3	3958.7	3971.5	3976.4	3981.2	3976.4
15°	3321.7	3341.0	3360.2	3332.9	3290.2	3279.0	3299.6	3314.9	3314.4	3314.0	3314.4
17.5°	2724.2	2722.2	2720.2	2703.4	2681.6	2672.6	2676.4	2679.0	2677.7	2676.4	2677.7
20°	2332.2	2329.2	2326.2	2311.7	2293.3	2282.6	2279.6	2277.9	2280.0	2282.2	2280.0
22.5°	1996.5	1991.4	1986.4	1980.3	1973.9	1967.0	1959.5	1954.7	1957.5	1960.3	1957.5
25°	1594.9	1578.7	1562.4	1549.4	1537.4	1536.5	1546.8	1552.2	1543.3	1534.3	1543.3
27.5°	1280.2	1279.9	1279.7	1272.0	1261.8	1257.2	1258.4	1259.6	1261.3	1263.0	1261.3
30°	1133.9	1130.9	1127.9	1119.7	1109.9	1105.2	1105.6	1104.7	1099.5	1094.4	1099.5
32.5°	1003.7	1005.9	1008.0	999.4	987.1	979.9	977.6	974.5	969.4	964.3	969.4
35°	834.5	834.5	834.5	827.5	818.0	810.1	803.7	798.6	797.3	796.0	797.3
37.5°	677.6	676.9	676.1	670.9	664.2	656.3	647.3	639.6	636.3	633.0	636.3
40°	577.5	575.4	573.2	569.5	565.2	557.5	546.4	536.9	532.2	527.5	532.2
42.5°	463.6	469.3	475.0	473.2	469.0	461.3	450.1	440.0	432.9	425.8	432.9
45°	272.4	296.4	320.3	328.9	332.3	327.6	314.7	295.6	257.5	219.5	257.5
47.5°	117.0	143.4	169.7	191.9	212.6	206.0	172.2	139.0	107.3	75.7	107.3
50°	53.9	74.4	95.0	122.6	152.5	146.3	104.0	68.6	54.0	39.5	54.0
52.5°	31.6	41.8	52.1	77.9	108.9	106.1	69.6	40.2	32.5	24.8	32.5
55°	13.5	16.9	20.3	34.3	51.9	51.0	31.8	16.6	13.6	10.6	13.6
57.5°	5.0	6.9	8.8	13.8	19.9	19.5	12.6	7.1	5.6	4.0	5.6
60°	1.9	2.8	3.6	6.1	9.1	8.9	5.5	2.7	1.8	1.0	1.8
62.5°	0.4	0.9	1.4	2.8	4.4	4.3	2.6	1.2	0.7	0.2	0.7
65°	0.0	0.0	0.0	0.3	0.7	0.7	0.3	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.0	2.3	3.9	5.2	6.2	6.5	6.5	6.9	7.2	7.2	7.2
90°	4.9	11.4	19.6	26.1	31.0	32.6	32.6	34.3	35.9	35.9	35.9
92.5°	17.9	28.4	28.7	28.7	34.9	37.8	40.4	40.8	42.4	42.4	42.4
95°	50.6	55.5	83.2	81.6	55.5	44.0	37.5	37.5	37.5	37.5	37.5
97.5°	96.6	103.7	108.3	145.2	153.3	148.1	120.7	101.5	90.7	85.8	90.7
100°	137.0	140.3	150.1	151.7	192.5	231.6	212.0	187.6	179.4	174.5	179.4
102.5°	177.5	179.4	194.4	201.3	210.7	232.9	300.8	293.3	287.7	286.7	287.7
105°	238.1	239.8	267.5	280.5	287.1	287.1	285.4	318.1	370.2	381.7	370.2
107.5°	303.0	310.5	343.2	378.1	385.6	387.5	379.1	374.2	372.2	373.5	372.2
110°	347.4	358.8	398.0	442.0	453.4	456.7	453.4	448.5	445.3	445.3	445.3



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	390.5	407.1	451.5	502.0	521.3	531.1	523.9	520.3	517.0	519.6	517.0
115°	456.7	481.2	539.9	592.1	631.2	636.1	634.5	634.5	632.8	632.8	632.8
117.5°	518.0	557.2	623.1	683.7	729.1	742.1	748.6	746.7	744.7	748.0	744.7
120°	561.1	606.7	681.8	750.3	794.3	813.9	820.4	817.1	820.4	817.1	820.4
122.5°	606.7	662.9	736.6	807.7	859.6	881.7	889.6	890.2	890.9	888.9	890.9
125°	675.2	743.8	830.2	903.6	957.4	983.5	990.0	991.7	994.9	1003.1	994.9
127.5°	744.4	822.0	917.0	987.8	1042.9	1074.5	1084.6	1088.2	1095.1	1098.7	1095.1
130°	792.7	880.8	977.0	1043.9	1097.7	1131.9	1149.9	1154.8	1162.9	1161.3	1162.9
132.5°	843.6	935.6	1033.1	1102.6	1152.5	1189.3	1204.7	1218.7	1221.6	1223.9	1221.6
135°	918.3	1017.8	1115.6	1184.1	1231.4	1267.3	1286.9	1299.9	1308.1	1313.0	1308.1
137.5°	996.9	1101.9	1195.9	1256.9	1304.5	1335.5	1357.7	1371.4	1379.9	1383.8	1379.9
140°	1050.4	1151.5	1242.8	1306.5	1348.9	1379.9	1399.4	1415.7	1425.5	1425.5	1425.5
142.5°	1101.3	1201.1	1289.8	1353.4	1390.6	1419.0	1439.9	1452.3	1463.4	1463.4	1463.4
145°	1172.7	1272.2	1353.8	1417.4	1448.4	1474.5	1497.3	1507.1	1513.6	1513.6	1513.6
147.5°	1247.4	1335.5	1409.9	1470.9	1497.0	1527.6	1545.6	1553.4	1561.6	1558.0	1561.6
150°	1291.8	1373.3	1445.1	1502.2	1528.3	1557.6	1575.6	1582.1	1590.3	1585.4	1590.3
152.5°	1334.8	1412.5	1477.7	1530.9	1553.1	1582.4	1603.0	1609.5	1615.0	1611.5	1615.0
155°	1392.9	1461.4	1521.8	1570.7	1590.3	1618.0	1637.6	1645.7	1652.2	1644.1	1652.2
157.5°	1444.8	1503.8	1556.3	1601.3	1622.2	1646.0	1664.3	1674.4	1680.9	1677.4	1680.9
160°	1476.1	1529.9	1577.2	1619.6	1639.2	1660.4	1680.0	1691.4	1697.9	1693.0	1697.9
162.5°	1502.2	1550.8	1595.5	1634.0	1650.9	1669.5	1693.0	1703.1	1709.6	1703.5	1709.6
165°	1539.7	1578.8	1618.0	1650.6	1665.3	1680.0	1704.4	1715.8	1720.7	1714.2	1720.7
167.5°	1568.1	1598.1	1629.7	1657.8	1668.5	1682.9	1707.4	1716.8	1723.0	1714.9	1723.0
170°	1583.7	1609.8	1637.6	1660.4	1668.5	1681.6	1706.1	1714.2	1719.1	1711.0	1719.1
172.5°	1596.8	1616.4	1638.9	1659.1	1663.3	1673.8	1696.9	1705.1	1708.7	1701.8	1708.7
175°	1609.8	1621.2	1637.6	1650.6	1649.0	1655.5	1675.1	1681.6	1688.1	1678.3	1688.1
177.5°	1616.0	1621.2	1626.5	1634.3	1629.1	1629.1	1643.4	1647.3	1648.6	1643.4	1648.6
180°	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	5341.1	5341.1	5341.1	5341.1	5341.1	5341.1	5341.1	5341.1	5341.1	5341.1	5341.1
2.5°	5312.7	5300.0	5281.2	5282.1	5302.6	5320.2	5329.1	5338.0	5329.1	5320.2	5302.6
5°	5142.3	5121.0	5093.2	5087.2	5103.0	5118.0	5130.4	5142.8	5130.4	5118.0	5103.0
7.5°	4755.6	4733.4	4702.6	4694.7	4709.8	4720.0	4716.0	4712.0	4716.0	4720.0	4709.8
10°	4386.3	4381.5	4371.2	4366.9	4368.6	4369.2	4366.2	4363.2	4366.2	4369.2	4368.6
12.5°	3971.5	3958.7	3943.3	3946.7	3969.0	3982.7	3970.8	3958.9	3970.8	3982.7	3969.0
15°	3314.9	3299.6	3279.0	3290.2	3332.9	3360.2	3341.0	3321.7	3341.0	3360.2	3332.9
17.5°	2679.0	2676.4	2672.6	2681.6	2703.4	2720.2	2722.2	2724.2	2722.2	2720.2	2703.4
20°	2277.9	2279.6	2282.6	2293.3	2311.7	2326.2	2329.2	2332.2	2329.2	2326.2	2311.7
22.5°	1954.7	1959.5	1967.0	1973.9	1980.3	1986.4	1991.4	1996.5	1991.4	1986.4	1980.3
25°	1552.2	1546.8	1536.5	1537.4	1549.4	1562.4	1578.7	1594.9	1578.7	1562.4	1549.4
27.5°	1259.6	1258.4	1257.2	1261.8	1272.0	1279.7	1279.9	1280.2	1279.9	1279.7	1272.0
30°	1104.7	1105.6	1105.2	1109.9	1119.7	1127.9	1130.9	1133.9	1130.9	1127.9	1119.7
32.5°	974.5	977.6	979.9	987.1	999.4	1008.0	1005.9	1003.7	1005.9	1008.0	999.4
35°	798.6	803.7	810.1	818.0	827.5	834.5	834.5	834.5	834.5	834.5	827.5
37.5°	639.6	647.3	656.3	664.2	670.9	676.1	676.9	677.6	676.9	676.1	670.9
40°	536.9	546.4	557.5	565.2	569.5	573.2	575.4	577.5	575.4	573.2	569.5
42.5°	440.0	450.1	461.3	469.0	473.2	475.0	469.3	463.6	469.3	475.0	473.2
45°	295.6	314.7	327.6	332.3	328.9	320.3	296.4	272.4	296.4	320.3	328.9
47.5°	139.0	172.2	206.0	212.6	191.9	169.7	143.4	117.0	143.4	169.7	191.9
50°	68.6	104.0	146.3	152.5	122.6	95.0	74.4	53.9	74.4	95.0	122.6
52.5°	40.2	69.6	106.1	108.9	77.9	52.1	41.8	31.6	41.8	52.1	77.9
55°	16.6	31.8	51.0	51.9	34.3	20.3	16.9	13.5	16.9	20.3	34.3
57.5°	7.1	12.6	19.5	19.9	13.8	8.8	6.9	5.0	6.9	8.8	13.8
60°	2.7	5.5	8.9	9.1	6.1	3.6	2.8	1.9	2.8	3.6	6.1
62.5°	1.2	2.6	4.3	4.4	2.8	1.4	0.9	0.4	0.9	1.4	2.8
65°	0.0	0.3	0.7	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.3
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	6.9	6.5	6.5	6.2	5.2	3.9	2.3	1.0	2.3	3.6	5.9
90°	34.3	32.6	32.6	31.0	26.1	19.6	11.4	4.9	11.4	17.9	29.4
92.5°	40.8	40.4	37.8	34.9	28.7	28.7	28.4	17.9	31.0	44.0	63.3
95°	37.5	37.5	44.0	55.5	81.6	83.2	55.5	50.6	71.8	101.1	127.2
97.5°	101.5	120.7	148.1	153.3	145.2	108.3	103.7	96.6	131.5	160.5	202.6
100°	187.6	212.0	231.6	192.5	151.7	150.1	140.3	137.0	174.5	202.2	243.0
102.5°	293.3	300.8	232.9	210.7	201.3	194.4	179.4	177.5	215.0	253.1	287.4
105°	318.1	285.4	287.1	287.1	280.5	267.5	239.8	238.1	280.5	324.6	367.0
107.5°	374.2	379.1	387.5	385.6	378.1	343.2	310.5	303.0	341.2	394.1	440.7
110°	448.5	453.4	456.7	453.4	442.0	398.0	358.8	347.4	381.7	437.1	487.7



TEST NUMBER: P1427630

CATALOG NUMBER: SQ2W-BBN-K-125U-075D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	520.3	523.9	531.1	521.3	502.0	451.5	407.1	390.5	424.7	481.5	533.3
115°	634.5	634.5	636.1	631.2	592.1	539.9	481.2	456.7	486.0	538.2	595.3
117.5°	746.7	748.6	742.1	729.1	683.7	623.1	557.2	518.0	541.2	596.3	655.0
120°	817.1	820.4	813.9	794.3	750.3	681.8	606.7	561.1	579.0	632.8	691.6
122.5°	890.2	889.6	881.7	859.6	807.7	736.6	662.9	606.7	614.2	664.2	721.6
125°	991.7	990.0	983.5	957.4	903.6	830.2	743.8	675.2	665.5	707.9	766.6
127.5°	1088.2	1084.6	1074.5	1042.9	987.8	917.0	822.0	744.4	722.5	749.3	803.1
130°	1154.8	1149.9	1131.9	1097.7	1043.9	977.0	880.8	792.7	761.7	778.0	825.3
132.5°	1218.7	1204.7	1189.3	1152.5	1102.6	1033.1	935.6	843.6	800.8	808.0	844.9
135°	1299.9	1286.9	1267.3	1231.4	1184.1	1115.6	1017.8	918.3	859.6	853.0	874.2
137.5°	1371.4	1357.7	1335.5	1304.5	1256.9	1195.9	1101.9	996.9	922.8	901.0	909.1
140°	1415.7	1399.4	1379.9	1348.9	1306.5	1242.8	1151.5	1050.4	967.2	936.2	931.3
142.5°	1452.3	1439.9	1419.0	1390.6	1353.4	1289.8	1201.1	1101.3	1012.9	972.7	961.3
145°	1507.1	1497.3	1474.5	1448.4	1417.4	1353.8	1272.2	1172.7	1084.6	1032.4	1008.0
147.5°	1553.4	1545.6	1527.6	1497.0	1470.9	1409.9	1335.5	1247.4	1157.1	1092.5	1060.8
150°	1582.1	1575.6	1557.6	1528.3	1502.2	1445.1	1373.3	1291.8	1205.3	1136.8	1096.1
152.5°	1609.5	1603.0	1582.4	1553.1	1530.9	1477.7	1412.5	1334.8	1247.1	1178.6	1136.5
155°	1645.7	1637.6	1618.0	1590.3	1570.7	1521.8	1461.4	1392.9	1317.9	1246.1	1198.8
157.5°	1674.4	1664.3	1646.0	1622.2	1601.3	1556.3	1503.8	1444.8	1379.2	1310.7	1262.4
160°	1691.4	1680.0	1660.4	1639.2	1619.6	1577.2	1529.9	1476.1	1415.7	1353.8	1301.6
162.5°	1703.1	1693.0	1669.5	1650.9	1634.0	1595.5	1550.8	1502.2	1448.4	1394.2	1345.9
165°	1715.8	1704.4	1680.0	1665.3	1650.6	1618.0	1578.8	1539.7	1494.0	1450.0	1410.8
167.5°	1716.8	1707.4	1682.9	1668.5	1657.8	1629.7	1598.1	1568.1	1532.5	1497.9	1465.3
170°	1714.2	1706.1	1681.6	1668.5	1660.4	1637.6	1609.8	1583.7	1556.0	1526.6	1500.6
172.5°	1705.1	1696.9	1673.8	1663.3	1659.1	1638.9	1616.4	1596.8	1573.0	1551.4	1530.6
175°	1681.6	1675.1	1655.5	1649.0	1650.6	1637.6	1621.2	1609.8	1595.2	1582.1	1570.7
177.5°	1647.3	1643.4	1629.1	1629.1	1634.3	1626.5	1621.2	1616.0	1609.5	1605.6	1601.7
180°	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7



TEST NUMBER: P1427630

CATALOG NUMBER: SQ2W-BBN-K-125U-075D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	5341.1	5341.1	5341.1	5341.1	5341.1	5341.1	5341.1	5341.1	5341.1	5341.1	5341.1
2.5°	5282.1	5281.2	5300.0	5312.7	5306.9	5301.1	5306.9	5312.7	5300.0	5281.2	5282.1
5°	5087.2	5093.2	5121.0	5142.3	5144.0	5145.7	5144.0	5142.3	5121.0	5093.2	5087.2
7.5°	4694.7	4702.6	4733.4	4755.6	4752.3	4749.0	4752.3	4755.6	4733.4	4702.6	4694.7
10°	4366.9	4371.2	4381.5	4386.3	4374.7	4363.2	4374.7	4386.3	4381.5	4371.2	4366.9
12.5°	3946.7	3943.3	3958.7	3971.5	3976.4	3981.2	3976.4	3971.5	3958.7	3943.3	3946.7
15°	3290.2	3279.0	3299.6	3314.9	3314.4	3314.0	3314.4	3314.9	3299.6	3279.0	3290.2
17.5°	2681.6	2672.6	2676.4	2679.0	2677.7	2676.4	2677.7	2679.0	2676.4	2672.6	2681.6
20°	2293.3	2282.6	2279.6	2277.9	2280.0	2282.2	2280.0	2277.9	2279.6	2282.6	2293.3
22.5°	1973.9	1967.0	1959.5	1954.7	1957.5	1960.3	1957.5	1954.7	1959.5	1967.0	1973.9
25°	1537.4	1536.5	1546.8	1552.2	1543.3	1534.3	1543.3	1552.2	1546.8	1536.5	1537.4
27.5°	1261.8	1257.2	1258.4	1259.6	1261.3	1263.0	1261.3	1259.6	1258.4	1257.2	1261.8
30°	1109.9	1105.2	1105.6	1104.7	1099.5	1094.4	1099.5	1104.7	1105.6	1105.2	1109.9
32.5°	987.1	979.9	977.6	974.5	969.4	964.3	969.4	974.5	977.6	979.9	987.1
35°	818.0	810.1	803.7	798.6	797.3	796.0	797.3	798.6	803.7	810.1	818.0
37.5°	664.2	656.3	647.3	639.6	636.3	633.0	636.3	639.6	647.3	656.3	664.2
40°	565.2	557.5	546.4	536.9	532.2	527.5	532.2	536.9	546.4	557.5	565.2
42.5°	469.0	461.3	450.1	440.0	432.9	425.8	432.9	440.0	450.1	461.3	469.0
45°	332.3	327.6	314.7	295.6	257.5	219.5	257.5	295.6	314.7	327.6	332.3
47.5°	212.6	206.0	172.2	139.0	107.3	75.7	107.3	139.0	172.2	206.0	212.6
50°	152.5	146.3	104.0	68.6	54.0	39.5	54.0	68.6	104.0	146.3	152.5
52.5°	108.9	106.1	69.6	40.2	32.5	24.8	32.5	40.2	69.6	106.1	108.9
55°	51.9	51.0	31.8	16.6	13.6	10.6	13.6	16.6	31.8	51.0	51.9
57.5°	19.9	19.5	12.6	7.1	5.6	4.0	5.6	7.1	12.6	19.5	19.9
60°	9.1	8.9	5.5	2.7	1.8	1.0	1.8	2.7	5.5	8.9	9.1
62.5°	4.4	4.3	2.6	1.2	0.7	0.2	0.7	1.2	2.6	4.3	4.4
65°	0.7	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.7	0.7
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	7.5	9.8	12.1	13.4	14.7	14.0	14.7	13.4	12.1	9.8	7.5
90°	37.5	48.9	60.3	66.9	73.4	70.1	73.4	66.9	60.3	48.9	37.5
92.5°	75.4	94.6	108.6	120.4	125.6	124.9	125.6	120.4	108.6	94.6	75.4
95°	151.7	174.5	197.4	213.7	223.5	220.2	223.5	213.7	197.4	174.5	151.7
97.5°	233.9	264.6	290.0	305.3	315.1	321.6	315.1	305.3	290.0	264.6	233.9
100°	288.7	318.1	347.4	365.4	381.7	388.2	381.7	365.4	347.4	318.1	288.7
102.5°	333.1	371.5	403.5	422.8	436.5	443.0	436.5	422.8	403.5	371.5	333.1
105°	406.1	446.9	481.2	505.6	520.3	525.2	520.3	505.6	481.2	446.9	406.1
107.5°	479.2	521.3	552.9	580.0	597.9	608.4	597.9	580.0	552.9	521.3	479.2
110°	536.6	570.9	605.1	629.6	647.5	654.0	647.5	629.6	605.1	570.9	536.6



TEST NUMBER: P1427630

CATALOG NUMBER: SQ2W-BBN-K-125U-075D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	584.9	623.1	657.3	681.8	702.3	711.5	702.3	681.8	657.3	623.1	584.9
115°	652.4	703.0	734.0	756.8	771.5	779.6	771.5	756.8	734.0	703.0	652.4
117.5°	708.5	761.4	795.3	812.9	819.8	825.6	819.8	812.9	795.3	761.4	708.5
120°	743.8	792.7	831.8	854.7	862.8	866.1	862.8	854.7	831.8	792.7	743.8
122.5°	776.4	822.7	860.5	888.6	902.0	905.2	902.0	888.6	860.5	822.7	776.4
125°	822.0	866.1	905.2	933.0	947.6	955.8	947.6	933.0	905.2	866.1	822.0
127.5°	861.8	909.5	945.3	970.5	984.8	991.3	984.8	970.5	945.3	909.5	861.8
130°	884.0	933.0	968.8	996.6	1009.6	1016.1	1009.6	996.6	968.8	933.0	884.0
132.5°	901.0	952.5	989.7	1014.8	1029.2	1035.7	1029.2	1014.8	989.7	952.5	901.0
135°	921.5	975.4	1014.5	1039.0	1052.0	1058.5	1052.0	1039.0	1014.5	975.4	921.5
137.5°	939.5	988.4	1029.2	1055.0	1066.7	1070.9	1066.7	1055.0	1029.2	988.4	939.5
140°	952.5	994.9	1035.7	1060.2	1073.2	1074.9	1073.2	1060.2	1035.7	994.9	952.5
142.5°	969.5	1002.8	1038.3	1062.8	1075.8	1078.8	1075.8	1062.8	1038.3	1002.8	969.5
145°	999.8	1019.4	1043.9	1066.7	1078.1	1081.4	1078.1	1066.7	1043.9	1019.4	999.8
147.5°	1038.0	1044.2	1056.9	1071.9	1083.0	1085.3	1083.0	1071.9	1056.9	1044.2	1038.0
150°	1066.7	1065.1	1070.0	1079.7	1089.5	1087.9	1089.5	1079.7	1070.0	1065.1	1066.7
152.5°	1099.3	1089.9	1089.5	1094.1	1098.7	1098.3	1098.7	1094.1	1089.5	1089.9	1099.3
155°	1154.8	1136.8	1127.0	1123.8	1123.8	1122.2	1123.8	1123.8	1127.0	1136.8	1154.8
157.5°	1215.8	1190.7	1176.0	1168.1	1165.9	1162.3	1165.9	1168.1	1176.0	1190.7	1215.8
160°	1257.5	1229.8	1215.1	1202.1	1197.2	1192.3	1197.2	1202.1	1215.1	1229.8	1257.5
162.5°	1296.7	1270.2	1254.3	1242.5	1237.6	1230.1	1237.6	1242.5	1254.3	1270.2	1296.7
165°	1360.3	1332.6	1314.6	1304.8	1298.3	1291.8	1298.3	1304.8	1314.6	1332.6	1360.3
167.5°	1423.9	1393.6	1381.8	1370.7	1364.5	1352.8	1364.5	1370.7	1381.8	1393.6	1423.9
170°	1463.0	1435.3	1428.8	1419.0	1407.6	1394.5	1407.6	1419.0	1428.8	1435.3	1463.0
172.5°	1497.0	1478.4	1471.8	1462.1	1458.5	1448.0	1458.5	1462.1	1471.8	1478.4	1497.0
175°	1546.2	1531.5	1531.5	1529.9	1525.0	1515.2	1525.0	1529.9	1531.5	1531.5	1546.2
177.5°	1587.3	1579.5	1584.7	1584.7	1583.4	1574.3	1583.4	1584.7	1584.7	1579.5	1587.3
180°	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7



TEST NUMBER: P1427630

CATALOG NUMBER: SQ2W-BBN-K-125U-075D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	5341.1	5341.1	5341.1	5341.1
2.5°	5302.6	5320.2	5329.1	5338.0
5°	5103.0	5118.0	5130.4	5142.8
7.5°	4709.8	4720.0	4716.0	4712.0
10°	4368.6	4369.2	4366.2	4363.2
12.5°	3969.0	3982.7	3970.8	3958.9
15°	3332.9	3360.2	3341.0	3321.7
17.5°	2703.4	2720.2	2722.2	2724.2
20°	2311.7	2326.2	2329.2	2332.2
22.5°	1980.3	1986.4	1991.4	1996.5
25°	1549.4	1562.4	1578.7	1594.9
27.5°	1272.0	1279.7	1279.9	1280.2
30°	1119.7	1127.9	1130.9	1133.9
32.5°	999.4	1008.0	1005.9	1003.7
35°	827.5	834.5	834.5	834.5
37.5°	670.9	676.1	676.9	677.6
40°	569.5	573.2	575.4	577.5
42.5°	473.2	475.0	469.3	463.6
45°	328.9	320.3	296.4	272.4
47.5°	191.9	169.7	143.4	117.0
50°	122.6	95.0	74.4	53.9
52.5°	77.9	52.1	41.8	31.6
55°	34.3	20.3	16.9	13.5
57.5°	13.8	8.8	6.9	5.0
60°	6.1	3.6	2.8	1.9
62.5°	2.8	1.4	0.9	0.4
65°	0.3	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0
87.5°	5.9	3.6	2.3	1.0
90°	29.4	17.9	11.4	4.9
92.5°	63.3	44.0	31.0	17.9
95°	127.2	101.1	71.8	50.6
97.5°	202.6	160.5	131.5	96.6
100°	243.0	202.2	174.5	137.0
102.5°	287.4	253.1	215.0	177.5
105°	367.0	324.6	280.5	238.1
107.5°	440.7	394.1	341.2	303.0
110°	487.7	437.1	381.7	347.4



TEST NUMBER: P1427630

CATALOG NUMBER: SQ2W-BBN-K-125U-075D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	533.3	481.5	424.7	390.5
115°	595.3	538.2	486.0	456.7
117.5°	655.0	596.3	541.2	518.0
120°	691.6	632.8	579.0	561.1
122.5°	721.6	664.2	614.2	606.7
125°	766.6	707.9	665.5	675.2
127.5°	803.1	749.3	722.5	744.4
130°	825.3	778.0	761.7	792.7
132.5°	844.9	808.0	800.8	843.6
135°	874.2	853.0	859.6	918.3
137.5°	909.1	901.0	922.8	996.9
140°	931.3	936.2	967.2	1050.4
142.5°	961.3	972.7	1012.9	1101.3
145°	1008.0	1032.4	1084.6	1172.7
147.5°	1060.8	1092.5	1157.1	1247.4
150°	1096.1	1136.8	1205.3	1291.8
152.5°	1136.5	1178.6	1247.1	1334.8
155°	1198.8	1246.1	1317.9	1392.9
157.5°	1262.4	1310.7	1379.2	1444.8
160°	1301.6	1353.8	1415.7	1476.1
162.5°	1345.9	1394.2	1448.4	1502.2
165°	1410.8	1450.0	1494.0	1539.7
167.5°	1465.3	1497.9	1532.5	1568.1
170°	1500.6	1526.6	1556.0	1583.7
172.5°	1530.6	1551.4	1573.0	1596.8
175°	1570.7	1582.1	1595.2	1609.8
177.5°	1601.7	1605.6	1609.5	1616.0
180°	1614.7	1614.7	1614.7	1614.7



TEST NUMBER: P1427630
 CATALOG NUMBER: SQ2W-BBN-K-125U-075D-L930-UNV-STD-W-WM-4

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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	12H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4H	2H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	12H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8H	4H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	12H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12H	4H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00