

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: P1427582

Luminaire Tested: SQ2W-BBN-K-025U-075D-L930-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1427582
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-025U-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 250 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

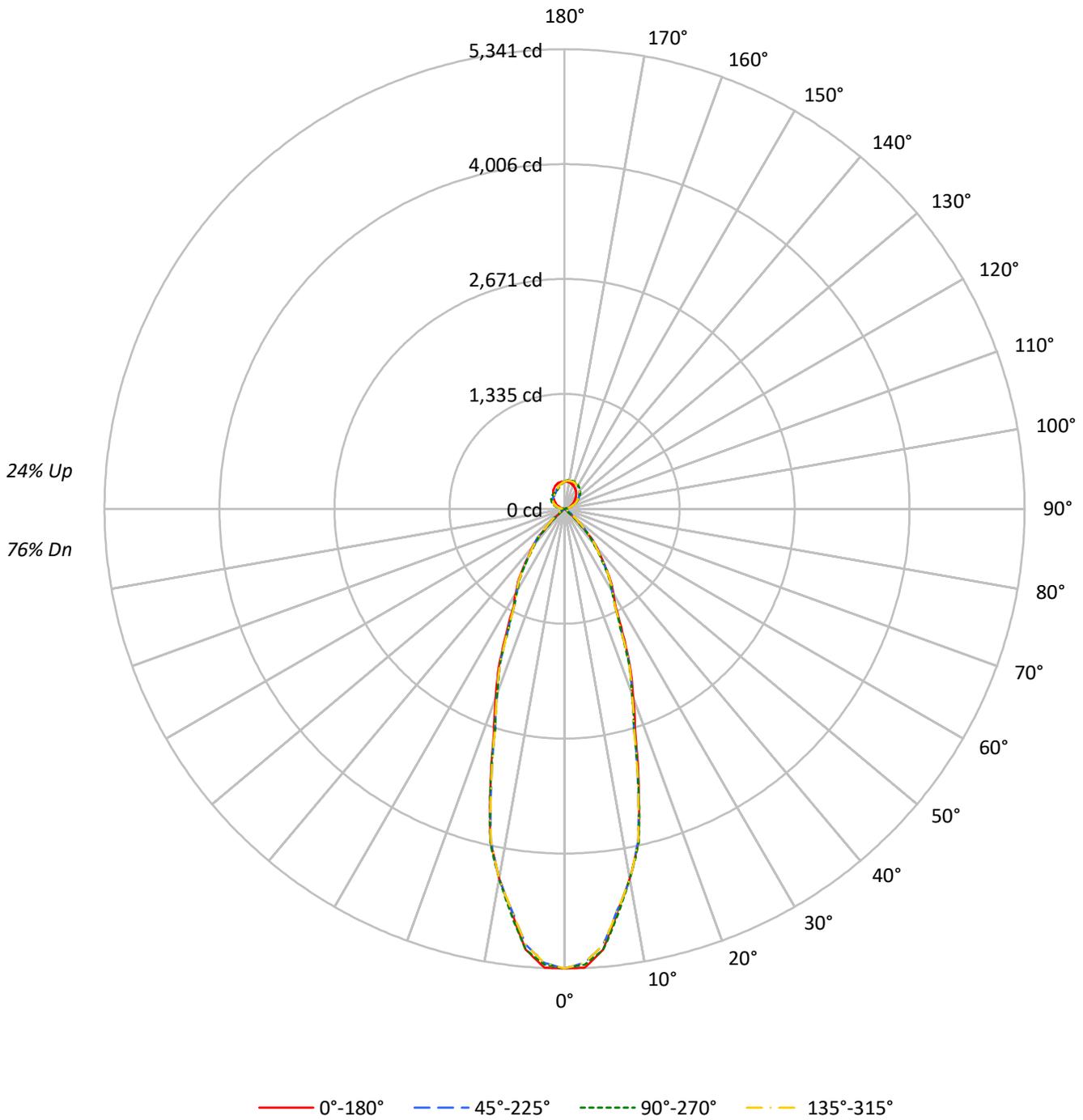
Lumens per Lamp: N/A
Luminaire Lumens: 3819.4 lumens
Efficiency: N/A
Efficacy: 108.8 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.62
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 35.1
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

TEST NUMBER: P1427582

CATALOG NUMBER: SQ2W-BBN-K-025U-075D-L930-UNV-STD-W-WM-4

Luminous Intensity Polar Plot





TEST NUMBER: P1427582

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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	0	
RCR																						
0	113	113	113	113	108	108	108	108	98	98	98	88	88	88	80	80	80	76				76
1	107	104	101	99	102	100	97	95	91	89	88	83	82	81	76	75	75	71				71
2	101	96	92	88	97	92	89	85	85	82	80	78	76	75	72	71	70	67				67
3	96	89	84	80	92	86	81	77	80	76	73	74	71	69	69	67	65	62				62
4	90	83	77	72	87	80	75	71	75	71	67	70	67	64	65	63	61	58				58
5	86	77	71	67	82	75	69	65	70	66	62	66	62	60	62	59	57	55				55
6	81	72	66	62	78	70	64	60	66	61	58	62	59	56	59	56	54	52				52
7	77	68	61	57	74	66	60	56	62	58	54	59	55	52	56	53	50	49				49
8	73	64	58	53	71	62	56	53	59	54	51	56	52	49	53	50	48	46				46
9	70	60	54	50	67	59	53	49	56	51	48	53	49	47	51	48	45	44				44
10	66	57	51	47	64	55	50	47	53	48	45	51	47	44	48	45	43	41				41

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	12.1
10°-20°	910.6	23.8
20°-30°	734.5	19.2
30°-40°	510.3	13.4
40°-50°	235.7	6.2
50°-60°	33.0	0.9
60°-70°	1.1	0.0
70°-80°	0.0	0.0
80°-90°	1.7	0.0
90°-100°	25.4	0.7
100°-110°	74.0	1.9
110°-120°	120.8	3.2
120°-130°	153.3	4.0
130°-140°	164.0	4.3
140°-150°	153.1	4.0
150°-160°	126.0	3.3
160°-170°	84.5	2.2
170°-180°	30.0	0.8
0°-30°	2107.0	55.2
0°-40°	2617.3	68.5
0°-60°	2886.0	75.6
0°-90°	2888.8	75.6
90°-120°	220.2	5.8
90°-150°	690.5	18.1
90°-180°	931.0	24.4
0°-180°	3819.4	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°	1	7	1	14	1	1
95°	10	7	10	44	10	12
105°	47	75	47	104	47	50
115°	90	125	90	154	90	89
125°	133	198	133	189	133	119
135°	181	259	181	209	181	140
145°	232	299	232	214	232	145
155°	275	325	275	222	275	126
165°	304	338	304	255	304	86
175°	318	331	318	299	318	30
180°	319	319	319	319	319	



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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°	0.2	0.5	0.8	1.0	1.2	1.3	1.3	1.4	1.4	1.4	1.4
90°	1.0	2.3	3.9	5.2	6.1	6.4	6.4	6.8	7.1	7.1	7.1
92.5°	3.5	5.6	5.7	5.7	6.9	7.5	8.0	8.1	8.4	8.4	8.4
95°	10.0	11.0	16.4	16.1	11.0	8.7	7.4	7.4	7.4	7.4	7.4
97.5°	19.1	20.5	21.4	28.7	30.3	29.2	23.8	20.0	17.9	16.9	17.9
100°	27.1	27.7	29.6	30.0	38.0	45.7	41.9	37.0	35.4	34.5	35.4
102.5°	35.0	35.4	38.4	39.7	41.6	46.0	59.4	57.9	56.8	56.6	56.8
105°	47.0	47.3	52.8	55.4	56.7	56.7	56.4	62.8	73.1	75.4	73.1
107.5°	59.8	61.3	67.8	74.7	76.1	76.5	74.9	73.9	73.5	73.8	73.5
110°	68.6	70.9	78.6	87.3	89.5	90.2	89.5	88.6	87.9	87.9	87.9

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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	77.1	80.4	89.2	99.1	102.9	104.9	103.5	102.7	102.1	102.6	102.1
115°	90.2	95.0	106.6	116.9	124.6	125.6	125.3	125.3	125.0	125.0	125.0
117.5°	102.3	110.0	123.0	135.0	144.0	146.5	147.8	147.5	147.1	147.7	147.1
120°	110.8	119.8	134.6	148.2	156.9	160.7	162.0	161.4	162.0	161.4	162.0
122.5°	119.8	130.9	145.5	159.5	169.7	174.1	175.7	175.8	175.9	175.5	175.9
125°	133.3	146.9	163.9	178.4	189.1	194.2	195.5	195.8	196.5	198.1	196.5
127.5°	147.0	162.3	181.1	195.1	205.9	212.2	214.2	214.9	216.2	217.0	216.2
130°	156.5	173.9	192.9	206.1	216.8	223.5	227.1	228.0	229.6	229.3	229.6
132.5°	166.6	184.7	204.0	217.7	227.6	234.9	237.9	240.7	241.2	241.7	241.2
135°	181.3	201.0	220.3	233.8	243.2	250.3	254.1	256.7	258.3	259.3	258.3
137.5°	196.9	217.6	236.2	248.2	257.6	263.7	268.1	270.8	272.5	273.3	272.5
140°	207.4	227.4	245.4	258.0	266.4	272.5	276.3	279.6	281.5	281.5	281.5
142.5°	217.5	237.2	254.7	267.3	274.6	280.2	284.3	286.8	289.0	289.0	289.0
145°	231.6	251.2	267.3	279.9	286.0	291.2	295.7	297.6	298.9	298.9	298.9
147.5°	246.3	263.7	278.4	290.5	295.6	301.7	305.2	306.8	308.4	307.7	308.4
150°	255.1	271.2	285.4	296.6	301.8	307.6	311.1	312.4	314.0	313.1	314.0
152.5°	263.6	278.9	291.8	302.3	306.7	312.5	316.5	317.8	318.9	318.2	318.9
155°	275.1	288.6	300.5	310.2	314.0	319.5	323.4	325.0	326.3	324.7	326.3
157.5°	285.3	297.0	307.3	316.2	320.3	325.0	328.7	330.7	331.9	331.2	331.9
160°	291.5	302.1	311.5	319.8	323.7	327.9	331.7	334.0	335.3	334.3	335.3
162.5°	296.6	306.2	315.1	322.7	326.0	329.7	334.3	336.3	337.6	336.4	337.6
165°	304.0	311.8	319.5	326.0	328.8	331.7	336.6	338.8	339.8	338.5	339.8
167.5°	309.7	315.6	321.8	327.4	329.5	332.3	337.2	339.0	340.3	338.6	340.3
170°	312.7	317.9	323.4	327.9	329.5	332.1	336.9	338.5	339.5	337.9	339.5
172.5°	315.3	319.2	323.6	327.6	328.5	330.5	335.1	336.7	337.4	336.1	337.4
175°	317.9	320.2	323.4	326.0	325.6	326.9	330.8	332.1	333.4	331.4	333.4
177.5°	319.1	320.2	321.2	322.7	321.7	321.7	324.5	325.3	325.6	324.5	325.6
180°	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9



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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°	1.4	1.3	1.3	1.2	1.0	0.8	0.5	0.2	0.5	0.7	1.2
90°	6.8	6.4	6.4	6.1	5.2	3.9	2.3	1.0	2.3	3.5	5.8
92.5°	8.1	8.0	7.5	6.9	5.7	5.7	5.6	3.5	6.1	8.7	12.5
95°	7.4	7.4	8.7	11.0	16.1	16.4	11.0	10.0	14.2	20.0	25.1
97.5°	20.0	23.8	29.2	30.3	28.7	21.4	20.5	19.1	26.0	31.7	40.0
100°	37.0	41.9	45.7	38.0	30.0	29.6	27.7	27.1	34.5	39.9	48.0
102.5°	57.9	59.4	46.0	41.6	39.7	38.4	35.4	35.0	42.5	50.0	56.8
105°	62.8	56.4	56.7	56.7	55.4	52.8	47.3	47.0	55.4	64.1	72.5
107.5°	73.9	74.9	76.5	76.1	74.7	67.8	61.3	59.8	67.4	77.8	87.0
110°	88.6	89.5	90.2	89.5	87.3	78.6	70.9	68.6	75.4	86.3	96.3



TEST NUMBER: P1427582

CATALOG NUMBER: SQ2W-BBN-K-025U-075D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	102.7	103.5	104.9	102.9	99.1	89.2	80.4	77.1	83.9	95.1	105.3
115°	125.3	125.3	125.6	124.6	116.9	106.6	95.0	90.2	96.0	106.3	117.6
117.5°	147.5	147.8	146.5	144.0	135.0	123.0	110.0	102.3	106.9	117.8	129.3
120°	161.4	162.0	160.7	156.9	148.2	134.6	119.8	110.8	114.3	125.0	136.6
122.5°	175.8	175.7	174.1	169.7	159.5	145.5	130.9	119.8	121.3	131.2	142.5
125°	195.8	195.5	194.2	189.1	178.4	163.9	146.9	133.3	131.4	139.8	151.4
127.5°	214.9	214.2	212.2	205.9	195.1	181.1	162.3	147.0	142.7	148.0	158.6
130°	228.0	227.1	223.5	216.8	206.1	192.9	173.9	156.5	150.4	153.6	163.0
132.5°	240.7	237.9	234.9	227.6	217.7	204.0	184.7	166.6	158.1	159.6	166.8
135°	256.7	254.1	250.3	243.2	233.8	220.3	201.0	181.3	169.7	168.5	172.6
137.5°	270.8	268.1	263.7	257.6	248.2	236.2	217.6	196.9	182.2	177.9	179.5
140°	279.6	276.3	272.5	266.4	258.0	245.4	227.4	207.4	191.0	184.9	183.9
142.5°	286.8	284.3	280.2	274.6	267.3	254.7	237.2	217.5	200.0	192.1	189.8
145°	297.6	295.7	291.2	286.0	279.9	267.3	251.2	231.6	214.2	203.9	199.0
147.5°	306.8	305.2	301.7	295.6	290.5	278.4	263.7	246.3	228.5	215.7	209.5
150°	312.4	311.1	307.6	301.8	296.6	285.4	271.2	255.1	238.0	224.5	216.4
152.5°	317.8	316.5	312.5	306.7	302.3	291.8	278.9	263.6	246.3	232.7	224.4
155°	325.0	323.4	319.5	314.0	310.2	300.5	288.6	275.1	260.2	246.1	236.7
157.5°	330.7	328.7	325.0	320.3	316.2	307.3	297.0	285.3	272.4	258.8	249.3
160°	334.0	331.7	327.9	323.7	319.8	311.5	302.1	291.5	279.6	267.3	257.0
162.5°	336.3	334.3	329.7	326.0	322.7	315.1	306.2	296.6	286.0	275.3	265.8
165°	338.8	336.6	331.7	328.8	326.0	319.5	311.8	304.0	295.0	286.3	278.6
167.5°	339.0	337.2	332.3	329.5	327.4	321.8	315.6	309.7	302.6	295.8	289.4
170°	338.5	336.9	332.1	329.5	327.9	323.4	317.9	312.7	307.3	301.5	296.3
172.5°	336.7	335.1	330.5	328.5	327.6	323.6	319.2	315.3	310.6	306.4	302.2
175°	332.1	330.8	326.9	325.6	326.0	323.4	320.2	317.9	315.0	312.4	310.2
177.5°	325.3	324.5	321.7	321.7	322.7	321.2	320.2	319.1	317.8	317.1	316.3
180°	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9



TEST NUMBER: P1427582

CATALOG NUMBER: SQ2W-BBN-K-025U-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°	1.5	1.9	2.4	2.6	2.9	2.8	2.9	2.6	2.4	1.9	1.5
90°	7.4	9.7	11.9	13.2	14.5	13.8	14.5	13.2	11.9	9.7	7.4
92.5°	14.9	18.7	21.5	23.8	24.8	24.7	24.8	23.8	21.5	18.7	14.9
95°	30.0	34.5	39.0	42.2	44.1	43.5	44.1	42.2	39.0	34.5	30.0
97.5°	46.2	52.2	57.3	60.3	62.2	63.5	62.2	60.3	57.3	52.2	46.2
100°	57.0	62.8	68.6	72.1	75.4	76.7	75.4	72.1	68.6	62.8	57.0
102.5°	65.8	73.4	79.7	83.5	86.2	87.5	86.2	83.5	79.7	73.4	65.8
105°	80.2	88.3	95.0	99.8	102.7	103.7	102.7	99.8	95.0	88.3	80.2
107.5°	94.6	102.9	109.2	114.5	118.1	120.1	118.1	114.5	109.2	102.9	94.6
110°	106.0	112.7	119.5	124.3	127.9	129.2	127.9	124.3	119.5	112.7	106.0



TEST NUMBER: P1427582

CATALOG NUMBER: SQ2W-BBN-K-025U-075D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	115.5	123.0	129.8	134.6	138.7	140.5	138.7	134.6	129.8	123.0	115.5
115°	128.8	138.8	144.9	149.4	152.3	154.0	152.3	149.4	144.9	138.8	128.8
117.5°	139.9	150.3	157.0	160.5	161.9	163.0	161.9	160.5	157.0	150.3	139.9
120°	146.9	156.5	164.3	168.8	170.4	171.0	170.4	168.8	164.3	156.5	146.9
122.5°	153.3	162.5	169.9	175.5	178.1	178.8	178.1	175.5	169.9	162.5	153.3
125°	162.3	171.0	178.8	184.2	187.1	188.7	187.1	184.2	178.8	171.0	162.3
127.5°	170.2	179.6	186.7	191.6	194.5	195.8	194.5	191.6	186.7	179.6	170.2
130°	174.6	184.2	191.3	196.8	199.4	200.7	199.4	196.8	191.3	184.2	174.6
132.5°	177.9	188.1	195.4	200.4	203.2	204.5	203.2	200.4	195.4	188.1	177.9
135°	182.0	192.6	200.3	205.2	207.7	209.0	207.7	205.2	200.3	192.6	182.0
137.5°	185.5	195.2	203.2	208.3	210.6	211.5	210.6	208.3	203.2	195.2	185.5
140°	188.1	196.5	204.5	209.4	211.9	212.3	211.9	209.4	204.5	196.5	188.1
142.5°	191.4	198.0	205.0	209.9	212.4	213.0	212.4	209.9	205.0	198.0	191.4
145°	197.4	201.3	206.1	210.6	212.9	213.5	212.9	210.6	206.1	201.3	197.4
147.5°	205.0	206.2	208.7	211.7	213.9	214.3	213.9	211.7	208.7	206.2	205.0
150°	210.6	210.3	211.3	213.2	215.2	214.8	215.2	213.2	211.3	210.3	210.6
152.5°	217.1	215.2	215.2	216.1	217.0	216.9	217.0	216.1	215.2	215.2	217.1
155°	228.0	224.5	222.6	221.9	221.9	221.6	221.9	221.9	222.6	224.5	228.0
157.5°	240.1	235.1	232.2	230.7	230.2	229.5	230.2	230.7	232.2	235.1	240.1
160°	248.3	242.9	240.0	237.4	236.4	235.4	236.4	237.4	240.0	242.9	248.3
162.5°	256.1	250.8	247.7	245.4	244.4	242.9	244.4	245.4	247.7	250.8	256.1
165°	268.6	263.1	259.6	257.7	256.4	255.1	256.4	257.7	259.6	263.1	268.6
167.5°	281.2	275.2	272.9	270.7	269.5	267.1	269.5	270.7	272.9	275.2	281.2
170°	288.9	283.4	282.1	280.2	278.0	275.4	278.0	280.2	282.1	283.4	288.9
172.5°	295.6	291.9	290.6	288.7	288.0	285.9	288.0	288.7	290.6	291.9	295.6
175°	305.3	302.4	302.4	302.1	301.1	299.2	301.1	302.1	302.4	302.4	305.3
177.5°	313.5	311.9	312.9	312.9	312.7	310.9	312.7	312.9	312.9	311.9	313.5
180°	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9



TEST NUMBER: P1427582

CATALOG NUMBER: SQ2W-BBN-K-025U-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°	1.2	0.7	0.5	0.2
90°	5.8	3.5	2.3	1.0
92.5°	12.5	8.7	6.1	3.5
95°	25.1	20.0	14.2	10.0
97.5°	40.0	31.7	26.0	19.1
100°	48.0	39.9	34.5	27.1
102.5°	56.8	50.0	42.5	35.0
105°	72.5	64.1	55.4	47.0
107.5°	87.0	77.8	67.4	59.8
110°	96.3	86.3	75.4	68.6



TEST NUMBER: P1427582

CATALOG NUMBER: SQ2W-BBN-K-025U-075D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	105.3	95.1	83.9	77.1
115°	117.6	106.3	96.0	90.2
117.5°	129.3	117.8	106.9	102.3
120°	136.6	125.0	114.3	110.8
122.5°	142.5	131.2	121.3	119.8
125°	151.4	139.8	131.4	133.3
127.5°	158.6	148.0	142.7	147.0
130°	163.0	153.6	150.4	156.5
132.5°	166.8	159.6	158.1	166.6
135°	172.6	168.5	169.7	181.3
137.5°	179.5	177.9	182.2	196.9
140°	183.9	184.9	191.0	207.4
142.5°	189.8	192.1	200.0	217.5
145°	199.0	203.9	214.2	231.6
147.5°	209.5	215.7	228.5	246.3
150°	216.4	224.5	238.0	255.1
152.5°	224.4	232.7	246.3	263.6
155°	236.7	246.1	260.2	275.1
157.5°	249.3	258.8	272.4	285.3
160°	257.0	267.3	279.6	291.5
162.5°	265.8	275.3	286.0	296.6
165°	278.6	286.3	295.0	304.0
167.5°	289.4	295.8	302.6	309.7
170°	296.3	301.5	307.3	312.7
172.5°	302.2	306.4	310.6	315.3
175°	310.2	312.4	315.0	317.9
177.5°	316.3	317.1	317.8	319.1
180°	318.9	318.9	318.9	318.9



TEST NUMBER: P1427582

CATALOG NUMBER: SQ2W-BBN-K-025U-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