

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: P1427579

Luminaire Tested: SQ2W-BBN-K-025U-050D-L930-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1427579
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-050D-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 500 LUMENS PER FOOT
UPLIGHT 250 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

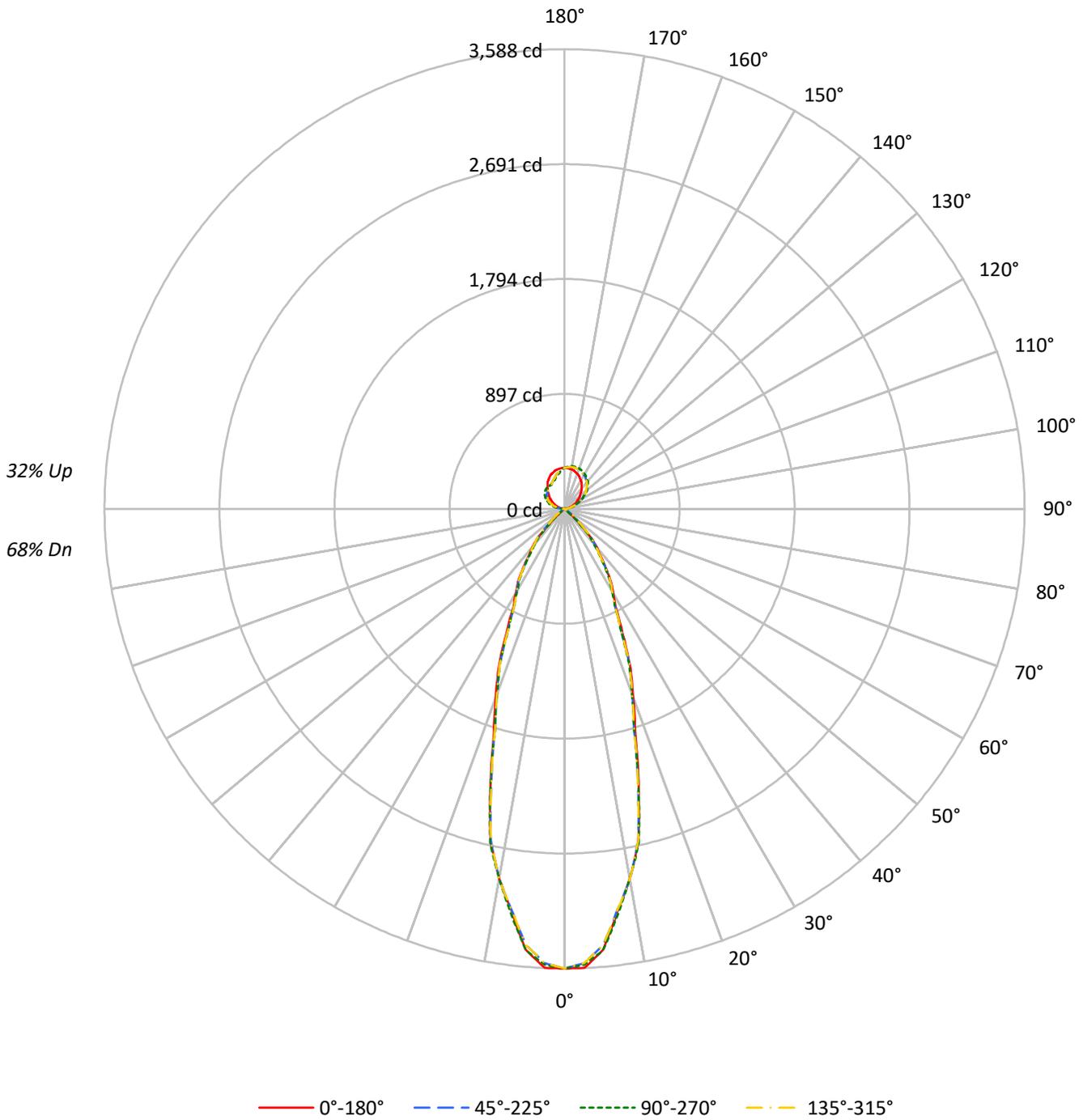
Lumens per Lamp: N/A
Luminaire Lumens: 2872.1 lumens
Efficiency: N/A
Efficacy: 112.2 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.62
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 25.6
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

TEST NUMBER: P1427579

CATALOG NUMBER: SQ2W-BBN-K-025U-050D-L930-UNV-STD-W-WM-4

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	111	111	111	111	105	105	105	105	93	93	93	82	82	82	72	72	72	68
1	105	102	99	97	99	97	94	92	87	85	83	77	76	75	69	68	67	64
2	99	94	89	85	94	89	85	82	81	78	75	73	71	69	66	64	63	59
3	93	86	81	77	88	82	78	74	75	72	69	68	66	64	62	60	59	56
4	88	80	74	69	83	76	71	67	70	66	63	64	61	59	59	57	55	52
5	83	74	68	63	79	71	66	62	66	61	58	61	57	55	56	53	51	49
6	78	69	63	58	75	66	61	57	62	57	54	57	54	51	53	50	48	46
7	74	64	58	54	71	62	57	53	58	54	50	54	51	48	50	48	45	44
8	70	61	54	50	67	59	53	49	55	50	47	51	48	45	48	45	43	41
9	67	57	51	47	64	55	50	46	52	47	44	49	45	42	46	43	41	39
10	64	54	48	44	61	52	47	43	49	45	42	46	43	40	44	41	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	57938	57938	57938	57938
5°	56001	56032	56001	56032
10°	48061	48061	48061	48061
15°	37303	37218	37303	37218
20°	26922	26345	26922	26345
25°	19090	18363	19090	18363
30°	14202	13708	14202	13708
35°	11051	10541	11051	10541
40°	8178	7470	8178	7470
45°	4178	3366	4178	3366
50°	909	666	909	666
55°	256	200	256	200
60°	42	19	42	19
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: 5099 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	310.3	10.8
10°-20°	611.8	21.3
20°-30°	493.5	17.2
30°-40°	342.8	11.9
40°-50°	158.4	5.5
50°-60°	22.2	0.8
60°-70°	0.8	0.0
70°-80°	0.0	0.0
80°-90°	1.7	0.1
90°-100°	25.4	0.9
100°-110°	74.0	2.6
110°-120°	120.8	4.2
120°-130°	153.3	5.3
130°-140°	164.0	5.7
140°-150°	153.1	5.3
150°-160°	126.0	4.4
160°-170°	84.5	2.9
170°-180°	30.0	1.0
0°-30°	1415.6	49.3
0°-40°	1758.4	61.2
0°-60°	1939.0	67.5
0°-90°	1941.4	67.6
90°-120°	220.2	7.7
90°-150°	690.5	24.0
90°-180°	931.0	32.4
0°-180°	2872.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3588	3588	3588	3588	3588	
5°	3455	3457	3455	3457	3455	311
15°	2232	2227	2232	2227	2232	614
25°	1072	1031	1072	1031	1072	502
35°	561	535	561	535	561	351
45°	183	147	183	147	183	148
55°	9	7	9	7	9	11
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°	3588.5	3588.5	3588.5	3588.5	3588.5	3588.5	3588.5	3588.5	3588.5	3588.5	3588.5
2.5°	3586.4	3580.4	3574.5	3562.6	3548.8	3548.3	3560.9	3569.4	3565.5	3561.6	3565.5
5°	3455.3	3446.9	3438.6	3428.5	3417.9	3421.9	3440.6	3454.9	3456.1	3457.2	3456.1
7.5°	3165.8	3168.5	3171.2	3164.3	3154.2	3159.5	3180.2	3195.1	3192.9	3190.6	3192.9
10°	2931.5	2933.5	2935.5	2935.1	2934.0	2936.8	2943.7	2947.0	2939.2	2931.5	2939.2
12.5°	2659.8	2667.8	2675.8	2666.6	2651.7	2649.4	2659.7	2668.3	2671.6	2674.8	2671.6
15°	2231.7	2244.7	2257.6	2239.3	2210.5	2203.1	2216.9	2227.1	2226.8	2226.6	2226.8
17.5°	1830.3	1828.9	1827.6	1816.3	1801.6	1795.6	1798.2	1799.9	1799.1	1798.2	1799.1
20°	1566.9	1564.9	1562.9	1553.1	1540.8	1533.6	1531.6	1530.4	1531.9	1533.3	1531.9
22.5°	1341.4	1338.0	1334.6	1330.5	1326.2	1321.5	1316.5	1313.3	1315.2	1317.1	1315.2
25°	1071.6	1060.6	1049.7	1041.0	1032.9	1032.3	1039.2	1042.9	1036.9	1030.8	1036.9
27.5°	860.1	859.9	859.8	854.6	847.7	844.7	845.4	846.3	847.4	848.6	847.4
30°	761.8	759.8	757.8	752.3	745.7	742.5	742.8	742.2	738.7	735.3	738.7
32.5°	674.4	675.8	677.2	671.4	663.2	658.3	656.8	654.8	651.3	647.9	651.3
35°	560.7	560.7	560.7	555.9	549.6	544.3	540.0	536.5	535.7	534.8	535.7
37.5°	455.3	454.8	454.2	450.7	446.3	441.0	434.9	429.7	427.5	425.3	427.5
40°	388.0	386.6	385.1	382.6	379.8	374.6	367.1	360.7	357.5	354.4	357.5
42.5°	311.4	315.3	319.1	318.0	315.1	309.9	302.4	295.6	290.9	286.1	290.9
45°	183.0	199.1	215.2	221.0	223.3	220.1	211.5	198.6	173.0	147.4	173.0
47.5°	78.6	96.3	114.0	128.9	142.8	138.4	115.7	93.4	72.1	50.8	72.1
50°	36.2	50.0	63.8	82.3	102.5	98.3	69.8	46.1	36.3	26.5	36.3
52.5°	21.2	28.1	35.0	52.3	73.1	71.3	46.7	27.0	21.9	16.7	21.9
55°	9.1	11.4	13.7	23.1	34.8	34.3	21.3	11.1	9.1	7.1	9.1
57.5°	3.4	4.6	5.9	9.3	13.4	13.1	8.5	4.8	3.8	2.7	3.8
60°	1.3	1.9	2.4	4.1	6.1	6.0	3.7	1.8	1.2	0.6	1.2
62.5°	0.3	0.6	0.9	1.9	2.9	2.9	1.8	0.8	0.5	0.1	0.5
65°	0.0	0.0	0.0	0.2	0.5	0.5	0.2	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°	3588.5	3588.5	3588.5	3588.5	3588.5	3588.5	3588.5	3588.5	3588.5	3588.5	3588.5
2.5°	3569.4	3560.9	3548.3	3548.8	3562.6	3574.5	3580.4	3586.4	3580.4	3574.5	3562.6
5°	3454.9	3440.6	3421.9	3417.9	3428.5	3438.6	3446.9	3455.3	3446.9	3438.6	3428.5
7.5°	3195.1	3180.2	3159.5	3154.2	3164.3	3171.2	3168.5	3165.8	3168.5	3171.2	3164.3
10°	2947.0	2943.7	2936.8	2934.0	2935.1	2935.5	2933.5	2931.5	2933.5	2935.5	2935.1
12.5°	2668.3	2659.7	2649.4	2651.7	2666.6	2675.8	2667.8	2659.8	2667.8	2675.8	2666.6
15°	2227.1	2216.9	2203.1	2210.5	2239.3	2257.6	2244.7	2231.7	2244.7	2257.6	2239.3
17.5°	1799.9	1798.2	1795.6	1801.6	1816.3	1827.6	1828.9	1830.3	1828.9	1827.6	1816.3
20°	1530.4	1531.6	1533.6	1540.8	1553.1	1562.9	1564.9	1566.9	1564.9	1562.9	1553.1
22.5°	1313.3	1316.5	1321.5	1326.2	1330.5	1334.6	1338.0	1341.4	1338.0	1334.6	1330.5
25°	1042.9	1039.2	1032.3	1032.9	1041.0	1049.7	1060.6	1071.6	1060.6	1049.7	1041.0
27.5°	846.3	845.4	844.7	847.7	854.6	859.8	859.9	860.1	859.9	859.8	854.6
30°	742.2	742.8	742.5	745.7	752.3	757.8	759.8	761.8	759.8	757.8	752.3
32.5°	654.8	656.8	658.3	663.2	671.4	677.2	675.8	674.4	675.8	677.2	671.4
35°	536.5	540.0	544.3	549.6	555.9	560.7	560.7	560.7	560.7	560.7	555.9
37.5°	429.7	434.9	441.0	446.3	450.7	454.2	454.8	455.3	454.8	454.2	450.7
40°	360.7	367.1	374.6	379.8	382.6	385.1	386.6	388.0	386.6	385.1	382.6
42.5°	295.6	302.4	309.9	315.1	318.0	319.1	315.3	311.4	315.3	319.1	318.0
45°	198.6	211.5	220.1	223.3	221.0	215.2	199.1	183.0	199.1	215.2	221.0
47.5°	93.4	115.7	138.4	142.8	128.9	114.0	96.3	78.6	96.3	114.0	128.9
50°	46.1	69.8	98.3	102.5	82.3	63.8	50.0	36.2	50.0	63.8	82.3
52.5°	27.0	46.7	71.3	73.1	52.3	35.0	28.1	21.2	28.1	35.0	52.3
55°	11.1	21.3	34.3	34.8	23.1	13.7	11.4	9.1	11.4	13.7	23.1
57.5°	4.8	8.5	13.1	13.4	9.3	5.9	4.6	3.4	4.6	5.9	9.3
60°	1.8	3.7	6.0	6.1	4.1	2.4	1.9	1.3	1.9	2.4	4.1
62.5°	0.8	1.8	2.9	2.9	1.9	0.9	0.6	0.3	0.6	0.9	1.9
65°	0.0	0.2	0.5	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.2
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: P1427579

CATALOG NUMBER: SQ2W-BBN-K-025U-050D-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: P1427579

CATALOG NUMBER: SQ2W-BBN-K-025U-050D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	3588.5	3588.5	3588.5	3588.5	3588.5	3588.5	3588.5	3588.5	3588.5	3588.5	3588.5
2.5°	3548.8	3548.3	3560.9	3569.4	3565.5	3561.6	3565.5	3569.4	3560.9	3548.3	3548.8
5°	3417.9	3421.9	3440.6	3454.9	3456.1	3457.2	3456.1	3454.9	3440.6	3421.9	3417.9
7.5°	3154.2	3159.5	3180.2	3195.1	3192.9	3190.6	3192.9	3195.1	3180.2	3159.5	3154.2
10°	2934.0	2936.8	2943.7	2947.0	2939.2	2931.5	2939.2	2947.0	2943.7	2936.8	2934.0
12.5°	2651.7	2649.4	2659.7	2668.3	2671.6	2674.8	2671.6	2668.3	2659.7	2649.4	2651.7
15°	2210.5	2203.1	2216.9	2227.1	2226.8	2226.6	2226.8	2227.1	2216.9	2203.1	2210.5
17.5°	1801.6	1795.6	1798.2	1799.9	1799.1	1798.2	1799.1	1799.9	1798.2	1795.6	1801.6
20°	1540.8	1533.6	1531.6	1530.4	1531.9	1533.3	1531.9	1530.4	1531.6	1533.6	1540.8
22.5°	1326.2	1321.5	1316.5	1313.3	1315.2	1317.1	1315.2	1313.3	1316.5	1321.5	1326.2
25°	1032.9	1032.3	1039.2	1042.9	1036.9	1030.8	1036.9	1042.9	1039.2	1032.3	1032.9
27.5°	847.7	844.7	845.4	846.3	847.4	848.6	847.4	846.3	845.4	844.7	847.7
30°	745.7	742.5	742.8	742.2	738.7	735.3	738.7	742.2	742.8	742.5	745.7
32.5°	663.2	658.3	656.8	654.8	651.3	647.9	651.3	654.8	656.8	658.3	663.2
35°	549.6	544.3	540.0	536.5	535.7	534.8	535.7	536.5	540.0	544.3	549.6
37.5°	446.3	441.0	434.9	429.7	427.5	425.3	427.5	429.7	434.9	441.0	446.3
40°	379.8	374.6	367.1	360.7	357.5	354.4	357.5	360.7	367.1	374.6	379.8
42.5°	315.1	309.9	302.4	295.6	290.9	286.1	290.9	295.6	302.4	309.9	315.1
45°	223.3	220.1	211.5	198.6	173.0	147.4	173.0	198.6	211.5	220.1	223.3
47.5°	142.8	138.4	115.7	93.4	72.1	50.8	72.1	93.4	115.7	138.4	142.8
50°	102.5	98.3	69.8	46.1	36.3	26.5	36.3	46.1	69.8	98.3	102.5
52.5°	73.1	71.3	46.7	27.0	21.9	16.7	21.9	27.0	46.7	71.3	73.1
55°	34.8	34.3	21.3	11.1	9.1	7.1	9.1	11.1	21.3	34.3	34.8
57.5°	13.4	13.1	8.5	4.8	3.8	2.7	3.8	4.8	8.5	13.1	13.4
60°	6.1	6.0	3.7	1.8	1.2	0.6	1.2	1.8	3.7	6.0	6.1
62.5°	2.9	2.9	1.8	0.8	0.5	0.1	0.5	0.8	1.8	2.9	2.9
65°	0.5	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.5
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: P1427579

CATALOG NUMBER: SQ2W-BBN-K-025U-050D-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: P1427579

CATALOG NUMBER: SQ2W-BBN-K-025U-050D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	3588.5	3588.5	3588.5	3588.5
2.5°	3562.6	3574.5	3580.4	3586.4
5°	3428.5	3438.6	3446.9	3455.3
7.5°	3164.3	3171.2	3168.5	3165.8
10°	2935.1	2935.5	2933.5	2931.5
12.5°	2666.6	2675.8	2667.8	2659.8
15°	2239.3	2257.6	2244.7	2231.7
17.5°	1816.3	1827.6	1828.9	1830.3
20°	1553.1	1562.9	1564.9	1566.9
22.5°	1330.5	1334.6	1338.0	1341.4
25°	1041.0	1049.7	1060.6	1071.6
27.5°	854.6	859.8	859.9	860.1
30°	752.3	757.8	759.8	761.8
32.5°	671.4	677.2	675.8	674.4
35°	555.9	560.7	560.7	560.7
37.5°	450.7	454.2	454.8	455.3
40°	382.6	385.1	386.6	388.0
42.5°	318.0	319.1	315.3	311.4
45°	221.0	215.2	199.1	183.0
47.5°	128.9	114.0	96.3	78.6
50°	82.3	63.8	50.0	36.2
52.5°	52.3	35.0	28.1	21.2
55°	23.1	13.7	11.4	9.1
57.5°	9.3	5.9	4.6	3.4
60°	4.1	2.4	1.9	1.3
62.5°	1.9	0.9	0.6	0.3
65°	0.2	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: P1427579

CATALOG NUMBER: SQ2W-BBN-K-025U-050D-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: P1427579

CATALOG NUMBER: SQ2W-BBN-K-025U-050D-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