

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: P1427600

Luminaire Tested: SQ2W-BBN-K-050U-125D-L930-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1427600
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-050U-125D-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 1250 LUMENS PER FOOT
UPLIGHT 500 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

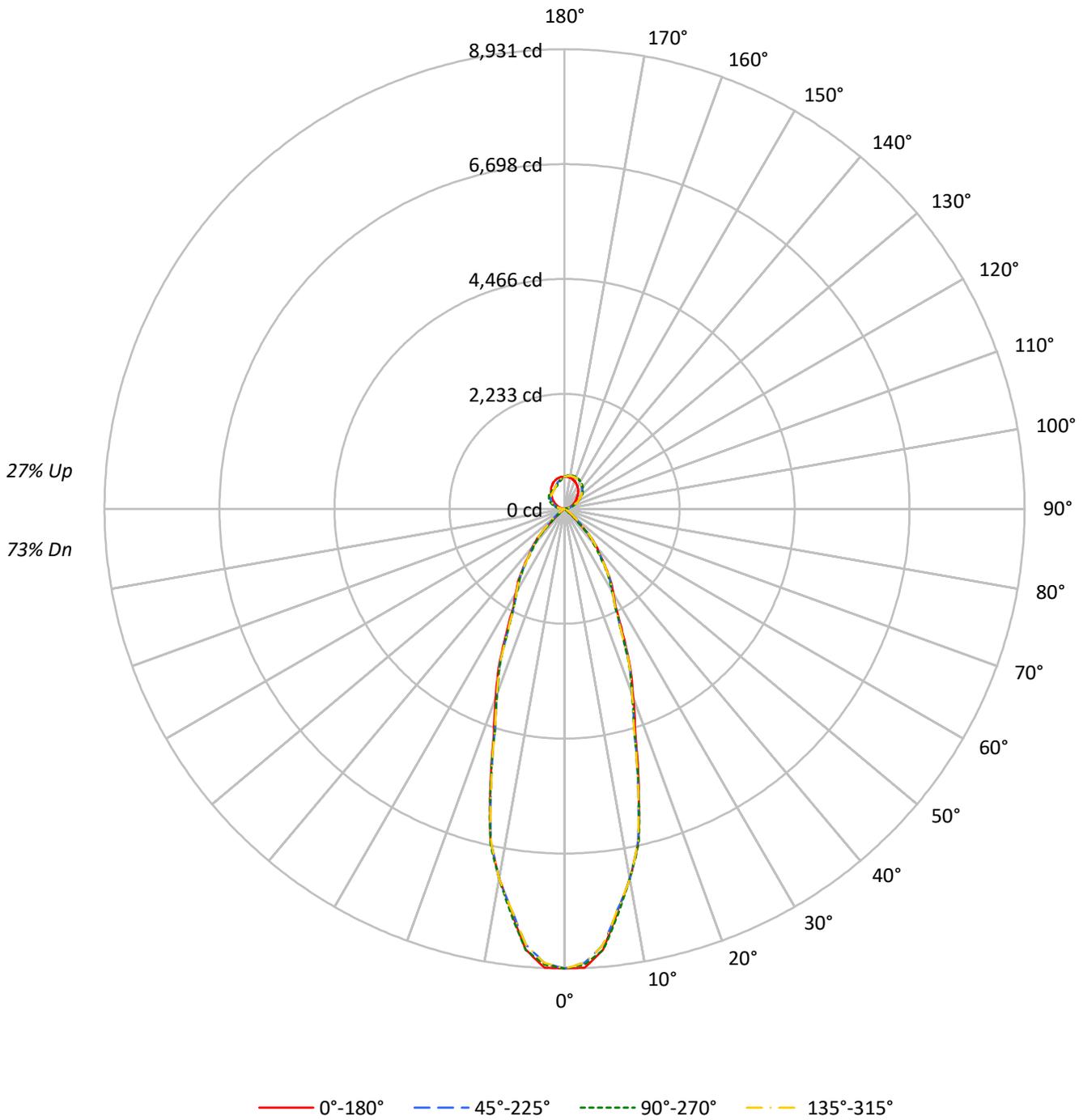
Lumens per Lamp: N/A
Luminaire Lumens: 6658.4 lumens
Efficiency: N/A
Efficacy: 102.9 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.62
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 64.7
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: P1427600

CATALOG NUMBER: SQ2W-BBN-K-050U-125D-L930-UNV-STD-W-WM-4

Luminous Intensity Polar Plot





TEST NUMBER: P1427600

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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	113	113	113	113	107	107	107	107	96	96	96	86	86	86	77	77	77	73
1	106	103	101	98	101	98	96	94	89	88	86	81	80	79	73	73	72	68
2	100	95	91	87	96	91	87	84	83	81	78	76	74	72	70	68	67	64
3	95	88	83	78	90	84	80	76	78	74	71	72	69	67	66	64	63	60
4	89	81	76	71	85	79	73	69	73	69	66	68	65	62	63	60	59	56
5	84	76	70	65	81	73	68	64	68	64	61	64	60	58	60	57	55	53
6	80	71	65	60	77	69	63	59	64	60	56	60	57	54	57	54	52	50
7	76	66	60	56	73	64	59	55	61	56	53	57	53	51	54	51	49	47
8	72	62	56	52	69	61	55	51	57	53	49	54	50	48	51	48	46	44
9	68	59	53	49	66	57	52	48	54	50	47	51	48	45	49	46	43	42
10	65	56	50	46	63	54	49	45	52	47	44	49	45	43	47	43	41	40

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	144202	144202	144202	144202
5°	139380	139458	139380	139458
10°	119617	119617	119617	119617
15°	92846	92630	92846	92630
20°	67009	65571	67009	65571
25°	47512	45705	47512	45705
30°	35350	34119	35350	34119
35°	27505	26236	27505	26236
40°	20354	18589	20354	18589
45°	10401	8380	10401	8380
50°	2263	1658	2263	1658
55°	633	498	633	498
60°	103	52	103	52
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: 12688 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	772.3	11.6
10°-20°	1522.7	22.9
20°-30°	1228.3	18.4
30°-40°	853.3	12.8
40°-50°	394.1	5.9
50°-60°	55.2	0.8
60°-70°	1.9	0.0
70°-80°	0.0	0.0
80°-90°	3.3	0.0
90°-100°	49.8	0.7
100°-110°	145.3	2.2
110°-120°	237.1	3.6
120°-130°	300.9	4.5
130°-140°	322.0	4.8
140°-150°	300.7	4.5
150°-160°	247.4	3.7
160°-170°	165.9	2.5
170°-180°	58.9	0.9
0°-30°	3523.3	52.9
0°-40°	4376.6	65.7
0°-60°	4825.9	72.5
0°-90°	4831.1	72.6
90°-120°	432.3	6.5
90°-150°	1355.8	20.4
90°-180°	1828.0	27.5
0°-180°	6658.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	8931	8931	8931	8931	8931	
5°	8600	8605	8600	8605	8600	773
15°	5555	5542	5555	5542	5555	1529
25°	2667	2566	2667	2566	2667	1249
35°	1396	1331	1396	1331	1396	873
45°	456	367	456	367	456	368
55°	22	18	22	18	22	28
65°	0	0	0	0	0	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	2	14	2	27	2	2
95°	20	14	20	85	20	24
105°	92	148	92	204	92	98
115°	177	245	177	302	177	175
125°	262	389	262	371	262	234
135°	356	509	356	410	356	275
145°	455	587	455	419	455	285
155°	540	638	540	435	540	248
165°	597	665	597	501	597	168
175°	624	651	624	588	624	59
180°	626	626	626	626	626	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	8931.4	8931.4	8931.4	8931.4	8931.4	8931.4	8931.4	8931.4	8931.4	8931.4	8931.4
2.5°	8926.3	8911.4	8896.5	8867.1	8832.7	8831.3	8862.8	8883.9	8874.2	8864.5	8874.2
5°	8599.9	8579.1	8558.4	8533.3	8506.9	8516.9	8563.4	8599.0	8601.8	8604.7	8601.8
7.5°	7879.4	7886.2	7892.9	7875.7	7850.5	7863.7	7915.2	7952.4	7946.8	7941.2	7946.8
10°	7296.1	7301.1	7306.1	7305.2	7302.4	7309.5	7326.7	7334.8	7315.4	7296.1	7315.4
12.5°	6620.1	6640.0	6659.9	6637.0	6599.8	6594.0	6619.8	6641.1	6649.3	6657.5	6649.3
15°	5554.6	5586.8	5619.0	5573.4	5501.8	5483.2	5517.6	5543.1	5542.4	5541.7	5542.4
17.5°	4555.4	4552.1	4548.8	4520.6	4484.1	4469.1	4475.5	4479.8	4477.7	4475.5	4477.7
20°	3900.0	3895.0	3889.9	3865.6	3834.9	3817.0	3812.0	3809.1	3812.7	3816.3	3812.7
22.5°	3338.5	3330.1	3321.7	3311.5	3300.8	3289.2	3276.7	3268.6	3273.3	3278.0	3273.3
25°	2667.0	2639.9	2612.7	2590.9	2570.8	2569.4	2586.6	2595.7	2580.7	2565.6	2580.7
27.5°	2140.7	2140.3	2139.9	2127.0	2110.0	2102.4	2104.2	2106.3	2109.2	2112.1	2109.2
30°	1896.1	1891.1	1886.0	1872.5	1856.0	1848.1	1848.8	1847.2	1838.7	1830.1	1838.7
32.5°	1678.4	1682.0	1685.6	1671.2	1650.7	1638.5	1634.7	1629.6	1621.0	1612.5	1621.0
35°	1395.5	1395.5	1395.5	1383.7	1367.9	1354.7	1344.0	1335.4	1333.3	1331.1	1333.3
37.5°	1133.1	1131.8	1130.6	1121.9	1110.7	1097.5	1082.4	1069.6	1064.0	1058.4	1064.0
40°	965.7	962.2	958.6	952.3	945.2	932.3	913.7	897.8	889.9	882.0	889.9
42.5°	775.2	784.7	794.3	791.4	784.2	771.3	752.7	735.8	723.9	712.1	723.9
45°	455.5	495.6	535.6	549.9	555.7	547.8	526.3	494.3	430.6	367.0	430.6
47.5°	195.7	239.8	283.9	320.8	355.5	344.5	288.0	232.4	179.4	126.5	179.4
50°	90.1	124.5	158.8	205.0	255.0	244.7	173.8	114.6	90.3	66.0	90.3
52.5°	52.8	70.0	87.1	130.3	182.1	177.4	116.3	67.3	54.4	41.5	54.4
55°	22.5	28.3	34.0	57.4	86.7	85.3	53.1	27.7	22.7	17.7	22.7
57.5°	8.4	11.5	14.7	23.1	33.2	32.6	21.1	11.9	9.3	6.8	9.3
60°	3.2	4.6	6.1	10.2	15.2	14.8	9.1	4.5	3.0	1.6	3.0
62.5°	0.6	1.5	2.4	4.6	7.3	7.3	4.4	2.0	1.2	0.3	1.2
65°	0.0	0.0	0.0	0.5	1.3	1.3	0.5	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°	0.4	0.9	1.5	2.0	2.4	2.5	2.5	2.7	2.8	2.8	2.8
90°	1.9	4.4	7.6	10.1	12.0	12.6	12.6	13.3	13.9	13.9	13.9
92.5°	7.0	11.0	11.1	11.1	13.5	14.7	15.7	15.8	16.4	16.4	16.4
95°	19.6	21.5	32.3	31.6	21.5	17.1	14.5	14.5	14.5	14.5	14.5
97.5°	37.4	40.2	42.0	56.3	59.4	57.4	46.8	39.3	35.2	33.3	35.2
100°	53.1	54.4	58.2	58.8	74.6	89.8	82.2	72.7	69.6	67.7	69.6
102.5°	68.8	69.6	75.4	78.0	81.7	90.3	116.6	113.7	111.6	111.2	111.6
105°	92.3	93.0	103.7	108.8	111.3	111.3	110.7	123.3	143.6	148.0	143.6
107.5°	117.5	120.4	133.1	146.6	149.5	150.3	147.0	145.1	144.3	144.8	144.3
110°	134.7	139.1	154.3	171.4	175.8	177.1	175.8	173.9	172.6	172.6	172.6



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CATALOG NUMBER: SQ2W-BBN-K-050U-125D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	151.4	157.8	175.0	194.7	202.1	205.9	203.1	201.7	200.5	201.5	200.5
115°	177.1	186.6	209.3	229.6	244.7	246.6	246.0	246.0	245.4	245.4	245.4
117.5°	200.9	216.0	241.6	265.1	282.7	287.7	290.3	289.5	288.8	290.0	288.8
120°	217.5	235.3	264.3	290.9	308.0	315.6	318.1	316.8	318.1	316.8	318.1
122.5°	235.3	257.0	285.6	313.2	333.3	341.9	344.9	345.2	345.4	344.7	345.4
125°	261.8	288.4	321.9	350.4	371.2	381.3	383.9	384.5	385.8	388.9	385.8
127.5°	288.6	318.7	355.5	383.0	404.4	416.6	420.5	421.9	424.6	426.0	424.6
130°	307.3	341.5	378.8	404.7	425.6	438.9	445.8	447.7	450.9	450.3	450.9
132.5°	327.1	362.7	400.6	427.5	446.9	461.2	467.1	472.5	473.7	474.6	473.7
135°	356.0	394.6	432.6	459.1	477.5	491.4	499.0	504.0	507.2	509.1	507.2
137.5°	386.5	427.3	463.7	487.3	505.8	517.8	526.4	531.7	535.0	536.5	535.0
140°	407.3	446.5	481.9	506.6	523.0	535.0	542.6	548.9	552.7	552.7	552.7
142.5°	427.0	465.7	500.1	524.8	539.2	550.2	558.3	563.1	567.4	567.4	567.4
145°	454.7	493.3	524.9	549.6	561.6	571.7	580.5	584.3	586.9	586.9	586.9
147.5°	483.7	517.8	546.7	570.3	580.4	592.3	599.3	602.3	605.5	604.1	605.5
150°	500.9	532.5	560.3	582.4	592.6	603.9	610.9	613.4	616.6	614.7	616.6
152.5°	517.6	547.7	573.0	593.6	602.2	613.6	621.5	624.1	626.2	624.8	626.2
155°	540.1	566.6	590.0	609.0	616.6	627.3	634.9	638.1	640.6	637.5	640.6
157.5°	560.2	583.1	603.4	620.9	629.0	638.2	645.3	649.2	651.8	650.4	651.8
160°	572.3	593.2	611.5	628.0	635.6	643.8	651.4	655.8	658.3	656.4	658.3
162.5°	582.4	601.3	618.6	633.5	640.1	647.3	656.4	660.4	662.9	660.5	662.9
165°	597.0	612.2	627.3	640.0	645.7	651.4	660.9	665.3	667.2	664.7	667.2
167.5°	608.0	619.6	631.9	642.8	647.0	652.5	662.0	665.7	668.1	664.9	668.1
170°	614.1	624.2	634.9	643.8	647.0	652.0	661.5	664.7	666.6	663.4	666.6
172.5°	619.1	626.7	635.4	643.3	644.9	649.0	658.0	661.1	662.5	659.9	662.5
175°	624.2	628.6	634.9	640.0	639.4	641.9	649.5	652.0	654.5	650.7	654.5
177.5°	626.6	628.6	630.6	633.7	631.6	631.6	637.2	638.7	639.2	637.2	639.2
180°	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	8931.4	8931.4	8931.4	8931.4	8931.4	8931.4	8931.4	8931.4	8931.4	8931.4	8931.4
2.5°	8883.9	8862.8	8831.3	8832.7	8867.1	8896.5	8911.4	8926.3	8911.4	8896.5	8867.1
5°	8599.0	8563.4	8516.9	8506.9	8533.3	8558.4	8579.1	8599.9	8579.1	8558.4	8533.3
7.5°	7952.4	7915.2	7863.7	7850.5	7875.7	7892.9	7886.2	7879.4	7886.2	7892.9	7875.7
10°	7334.8	7326.7	7309.5	7302.4	7305.2	7306.1	7301.1	7296.1	7301.1	7306.1	7305.2
12.5°	6641.1	6619.8	6594.0	6599.8	6637.0	6659.9	6640.0	6620.1	6640.0	6659.9	6637.0
15°	5543.1	5517.6	5483.2	5501.8	5573.4	5619.0	5586.8	5554.6	5586.8	5619.0	5573.4
17.5°	4479.8	4475.5	4469.1	4484.1	4520.6	4548.8	4552.1	4555.4	4552.1	4548.8	4520.6
20°	3809.1	3812.0	3817.0	3834.9	3865.6	3889.9	3895.0	3900.0	3895.0	3889.9	3865.6
22.5°	3268.6	3276.7	3289.2	3300.8	3311.5	3321.7	3330.1	3338.5	3330.1	3321.7	3311.5
25°	2595.7	2586.6	2569.4	2570.8	2590.9	2612.7	2639.9	2667.0	2639.9	2612.7	2590.9
27.5°	2106.3	2104.2	2102.4	2110.0	2127.0	2139.9	2140.3	2140.7	2140.3	2139.9	2127.0
30°	1847.2	1848.8	1848.1	1856.0	1872.5	1886.0	1891.1	1896.1	1891.1	1886.0	1872.5
32.5°	1629.6	1634.7	1638.5	1650.7	1671.2	1685.6	1682.0	1678.4	1682.0	1685.6	1671.2
35°	1335.4	1344.0	1354.7	1367.9	1383.7	1395.5	1395.5	1395.5	1395.5	1395.5	1383.7
37.5°	1069.6	1082.4	1097.5	1110.7	1121.9	1130.6	1131.8	1133.1	1131.8	1130.6	1121.9
40°	897.8	913.7	932.3	945.2	952.3	958.6	962.2	965.7	962.2	958.6	952.3
42.5°	735.8	752.7	771.3	784.2	791.4	794.3	784.7	775.2	784.7	794.3	791.4
45°	494.3	526.3	547.8	555.7	549.9	535.6	495.6	455.5	495.6	535.6	549.9
47.5°	232.4	288.0	344.5	355.5	320.8	283.9	239.8	195.7	239.8	283.9	320.8
50°	114.6	173.8	244.7	255.0	205.0	158.8	124.5	90.1	124.5	158.8	205.0
52.5°	67.3	116.3	177.4	182.1	130.3	87.1	70.0	52.8	70.0	87.1	130.3
55°	27.7	53.1	85.3	86.7	57.4	34.0	28.3	22.5	28.3	34.0	57.4
57.5°	11.9	21.1	32.6	33.2	23.1	14.7	11.5	8.4	11.5	14.7	23.1
60°	4.5	9.1	14.8	15.2	10.2	6.1	4.6	3.2	4.6	6.1	10.2
62.5°	2.0	4.4	7.3	7.3	4.6	2.4	1.5	0.6	1.5	2.4	4.6
65°	0.0	0.5	1.3	1.3	0.5	0.0	0.0	0.0	0.0	0.0	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°	2.7	2.5	2.5	2.4	2.0	1.5	0.9	0.4	0.9	1.4	2.3
90°	13.3	12.6	12.6	12.0	10.1	7.6	4.4	1.9	4.4	7.0	11.4
92.5°	15.8	15.7	14.7	13.5	11.1	11.1	11.0	7.0	12.0	17.1	24.5
95°	14.5	14.5	17.1	21.5	31.6	32.3	21.5	19.6	27.8	39.2	49.3
97.5°	39.3	46.8	57.4	59.4	56.3	42.0	40.2	37.4	51.0	62.2	78.5
100°	72.7	82.2	89.8	74.6	58.8	58.2	54.4	53.1	67.7	78.4	94.2
102.5°	113.7	116.6	90.3	81.7	78.0	75.4	69.6	68.8	83.4	98.1	111.4
105°	123.3	110.7	111.3	111.3	108.8	103.7	93.0	92.3	108.8	125.8	142.3
107.5°	145.1	147.0	150.3	149.5	146.6	133.1	120.4	117.5	132.3	152.8	170.9
110°	173.9	175.8	177.1	175.8	171.4	154.3	139.1	134.7	148.0	169.5	189.1



TEST NUMBER: P1427600

CATALOG NUMBER: SQ2W-BBN-K-050U-125D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	201.7	203.1	205.9	202.1	194.7	175.0	157.8	151.4	164.7	186.7	206.8
115°	246.0	246.0	246.6	244.7	229.6	209.3	186.6	177.1	188.5	208.7	230.8
117.5°	289.5	290.3	287.7	282.7	265.1	241.6	216.0	200.9	209.8	231.2	254.0
120°	316.8	318.1	315.6	308.0	290.9	264.3	235.3	217.5	224.5	245.4	268.1
122.5°	345.2	344.9	341.9	333.3	313.2	285.6	257.0	235.3	238.2	257.5	279.8
125°	384.5	383.9	381.3	371.2	350.4	321.9	288.4	261.8	258.0	274.5	297.2
127.5°	421.9	420.5	416.6	404.4	383.0	355.5	318.7	288.6	280.2	290.5	311.4
130°	447.7	445.8	438.9	425.6	404.7	378.8	341.5	307.3	295.3	301.7	320.0
132.5°	472.5	467.1	461.2	446.9	427.5	400.6	362.7	327.1	310.5	313.3	327.6
135°	504.0	499.0	491.4	477.5	459.1	432.6	394.6	356.0	333.3	330.7	339.0
137.5°	531.7	526.4	517.8	505.8	487.3	463.7	427.3	386.5	357.8	349.3	352.5
140°	548.9	542.6	535.0	523.0	506.6	481.9	446.5	407.3	375.0	363.0	361.1
142.5°	563.1	558.3	550.2	539.2	524.8	500.1	465.7	427.0	392.7	377.2	372.7
145°	584.3	580.5	571.7	561.6	549.6	524.9	493.3	454.7	420.5	400.3	390.8
147.5°	602.3	599.3	592.3	580.4	570.3	546.7	517.8	483.7	448.6	423.6	411.3
150°	613.4	610.9	603.9	592.6	582.4	560.3	532.5	500.9	467.3	440.8	425.0
152.5°	624.1	621.5	613.6	602.2	593.6	573.0	547.7	517.6	483.5	457.0	440.7
155°	638.1	634.9	627.3	616.6	609.0	590.0	566.6	540.1	511.0	483.2	464.8
157.5°	649.2	645.3	638.2	629.0	620.9	603.4	583.1	560.2	534.8	508.2	489.5
160°	655.8	651.4	643.8	635.6	628.0	611.5	593.2	572.3	548.9	524.9	504.7
162.5°	660.4	656.4	647.3	640.1	633.5	618.6	601.3	582.4	561.6	540.6	521.9
165°	665.3	660.9	651.4	645.7	640.0	627.3	612.2	597.0	579.3	562.2	547.0
167.5°	665.7	662.0	652.5	647.0	642.8	631.9	619.6	608.0	594.2	580.8	568.2
170°	664.7	661.5	652.0	647.0	643.8	634.9	624.2	614.1	603.3	591.9	581.8
172.5°	661.1	658.0	649.0	644.9	643.3	635.4	626.7	619.1	609.9	601.5	593.4
175°	652.0	649.5	641.9	639.4	640.0	634.9	628.6	624.2	618.5	613.4	609.0
177.5°	638.7	637.2	631.6	631.6	633.7	630.6	628.6	626.6	624.1	622.5	621.0
180°	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1



TEST NUMBER: P1427600

CATALOG NUMBER: SQ2W-BBN-K-050U-125D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	8931.4	8931.4	8931.4	8931.4	8931.4	8931.4	8931.4	8931.4	8931.4	8931.4	8931.4
2.5°	8832.7	8831.3	8862.8	8883.9	8874.2	8864.5	8874.2	8883.9	8862.8	8831.3	8832.7
5°	8506.9	8516.9	8563.4	8599.0	8601.8	8604.7	8601.8	8599.0	8563.4	8516.9	8506.9
7.5°	7850.5	7863.7	7915.2	7952.4	7946.8	7941.2	7946.8	7952.4	7915.2	7863.7	7850.5
10°	7302.4	7309.5	7326.7	7334.8	7315.4	7296.1	7315.4	7334.8	7326.7	7309.5	7302.4
12.5°	6599.8	6594.0	6619.8	6641.1	6649.3	6657.5	6649.3	6641.1	6619.8	6594.0	6599.8
15°	5501.8	5483.2	5517.6	5543.1	5542.4	5541.7	5542.4	5543.1	5517.6	5483.2	5501.8
17.5°	4484.1	4469.1	4475.5	4479.8	4477.7	4475.5	4477.7	4479.8	4475.5	4469.1	4484.1
20°	3834.9	3817.0	3812.0	3809.1	3812.7	3816.3	3812.7	3809.1	3812.0	3817.0	3834.9
22.5°	3300.8	3289.2	3276.7	3268.6	3273.3	3278.0	3273.3	3268.6	3276.7	3289.2	3300.8
25°	2570.8	2569.4	2586.6	2595.7	2580.7	2565.6	2580.7	2595.7	2586.6	2569.4	2570.8
27.5°	2110.0	2102.4	2104.2	2106.3	2109.2	2112.1	2109.2	2106.3	2104.2	2102.4	2110.0
30°	1856.0	1848.1	1848.8	1847.2	1838.7	1830.1	1838.7	1847.2	1848.8	1848.1	1856.0
32.5°	1650.7	1638.5	1634.7	1629.6	1621.0	1612.5	1621.0	1629.6	1634.7	1638.5	1650.7
35°	1367.9	1354.7	1344.0	1335.4	1333.3	1331.1	1333.3	1335.4	1344.0	1354.7	1367.9
37.5°	1110.7	1097.5	1082.4	1069.6	1064.0	1058.4	1064.0	1069.6	1082.4	1097.5	1110.7
40°	945.2	932.3	913.7	897.8	889.9	882.0	889.9	897.8	913.7	932.3	945.2
42.5°	784.2	771.3	752.7	735.8	723.9	712.1	723.9	735.8	752.7	771.3	784.2
45°	555.7	547.8	526.3	494.3	430.6	367.0	430.6	494.3	526.3	547.8	555.7
47.5°	355.5	344.5	288.0	232.4	179.4	126.5	179.4	232.4	288.0	344.5	355.5
50°	255.0	244.7	173.8	114.6	90.3	66.0	90.3	114.6	173.8	244.7	255.0
52.5°	182.1	177.4	116.3	67.3	54.4	41.5	54.4	67.3	116.3	177.4	182.1
55°	86.7	85.3	53.1	27.7	22.7	17.7	22.7	27.7	53.1	85.3	86.7
57.5°	33.2	32.6	21.1	11.9	9.3	6.8	9.3	11.9	21.1	32.6	33.2
60°	15.2	14.8	9.1	4.5	3.0	1.6	3.0	4.5	9.1	14.8	15.2
62.5°	7.3	7.3	4.4	2.0	1.2	0.3	1.2	2.0	4.4	7.3	7.3
65°	1.3	1.3	0.5	0.0	0.0	0.0	0.0	0.5	1.3	1.3	1.3
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°	2.9	3.8	4.7	5.2	5.7	5.4	5.7	5.2	4.7	3.8	2.9
90°	14.5	19.0	23.4	25.9	28.5	27.2	28.5	25.9	23.4	19.0	14.5
92.5°	29.2	36.7	42.1	46.7	48.7	48.4	48.7	46.7	42.1	36.7	29.2
95°	58.8	67.7	76.5	82.8	86.6	85.4	86.6	82.8	76.5	67.7	58.8
97.5°	90.7	102.6	112.4	118.4	122.2	124.7	122.2	118.4	112.4	102.6	90.7
100°	111.9	123.3	134.7	141.7	148.0	150.5	148.0	141.7	134.7	123.3	111.9
102.5°	129.1	144.1	156.5	163.9	169.2	171.8	169.2	163.9	156.5	144.1	129.1
105°	157.5	173.3	186.6	196.0	201.7	203.6	201.7	196.0	186.6	173.3	157.5
107.5°	185.8	202.1	214.4	224.9	231.8	235.9	231.8	224.9	214.4	202.1	185.8
110°	208.1	221.3	234.6	244.1	251.1	253.6	251.1	244.1	234.6	221.3	208.1



TEST NUMBER: P1427600

CATALOG NUMBER: SQ2W-BBN-K-050U-125D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	226.8	241.6	254.9	264.3	272.3	275.9	272.3	264.3	254.9	241.6	226.8
115°	253.0	272.6	284.6	293.4	299.1	302.3	299.1	293.4	284.6	272.6	253.0
117.5°	274.7	295.2	308.4	315.2	317.8	320.1	317.8	315.2	308.4	295.2	274.7
120°	288.4	307.3	322.5	331.4	334.5	335.8	334.5	331.4	322.5	307.3	288.4
122.5°	301.0	319.0	333.7	344.5	349.7	351.0	349.7	344.5	333.7	319.0	301.0
125°	318.7	335.8	351.0	361.7	367.4	370.6	367.4	361.7	351.0	335.8	318.7
127.5°	334.2	352.6	366.5	376.3	381.8	384.4	381.8	376.3	366.5	352.6	334.2
130°	342.8	361.7	375.6	386.4	391.5	394.0	391.5	386.4	375.6	361.7	342.8
132.5°	349.3	369.3	383.7	393.5	399.0	401.6	399.0	393.5	383.7	369.3	349.3
135°	357.3	378.2	393.4	402.8	407.9	410.4	407.9	402.8	393.4	378.2	357.3
137.5°	364.3	383.2	399.0	409.0	413.6	415.2	413.6	409.0	399.0	383.2	364.3
140°	369.3	385.8	401.6	411.1	416.1	416.8	416.1	411.1	401.6	385.8	369.3
142.5°	375.9	388.8	402.6	412.1	417.1	418.3	417.1	412.1	402.6	388.8	375.9
145°	387.7	395.3	404.7	413.6	418.0	419.3	418.0	413.6	404.7	395.3	387.7
147.5°	402.5	404.9	409.8	415.6	419.9	420.8	419.9	415.6	409.8	404.9	402.5
150°	413.6	413.0	414.9	418.7	422.4	421.8	422.4	418.7	414.9	413.0	413.6
152.5°	426.2	422.6	422.4	424.2	426.0	425.9	426.0	424.2	422.4	422.6	426.2
155°	447.7	440.8	437.0	435.7	435.7	435.1	435.7	435.7	437.0	440.8	447.7
157.5°	471.4	461.7	456.0	452.9	452.0	450.7	452.0	452.9	456.0	461.7	471.4
160°	487.6	476.8	471.1	466.1	464.2	462.3	464.2	466.1	471.1	476.8	487.6
162.5°	502.8	492.5	486.3	481.8	479.9	477.0	479.9	481.8	486.3	492.5	502.8
165°	527.4	516.7	509.7	505.9	503.4	500.9	503.4	505.9	509.7	516.7	527.4
167.5°	552.1	540.3	535.8	531.5	529.1	524.5	529.1	531.5	535.8	540.3	552.1
170°	567.3	556.5	554.0	550.2	545.8	540.7	545.8	550.2	554.0	556.5	567.3
172.5°	580.4	573.2	570.7	566.9	565.5	561.4	565.5	566.9	570.7	573.2	580.4
175°	599.5	593.8	593.8	593.2	591.3	587.5	591.3	593.2	593.8	593.8	599.5
177.5°	615.5	612.4	614.4	614.4	613.9	610.4	613.9	614.4	614.4	612.4	615.5
180°	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1



TEST NUMBER: P1427600

CATALOG NUMBER: SQ2W-BBN-K-050U-125D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	8931.4	8931.4	8931.4	8931.4
2.5°	8867.1	8896.5	8911.4	8926.3
5°	8533.3	8558.4	8579.1	8599.9
7.5°	7875.7	7892.9	7886.2	7879.4
10°	7305.2	7306.1	7301.1	7296.1
12.5°	6637.0	6659.9	6640.0	6620.1
15°	5573.4	5619.0	5586.8	5554.6
17.5°	4520.6	4548.8	4552.1	4555.4
20°	3865.6	3889.9	3895.0	3900.0
22.5°	3311.5	3321.7	3330.1	3338.5
25°	2590.9	2612.7	2639.9	2667.0
27.5°	2127.0	2139.9	2140.3	2140.7
30°	1872.5	1886.0	1891.1	1896.1
32.5°	1671.2	1685.6	1682.0	1678.4
35°	1383.7	1395.5	1395.5	1395.5
37.5°	1121.9	1130.6	1131.8	1133.1
40°	952.3	958.6	962.2	965.7
42.5°	791.4	794.3	784.7	775.2
45°	549.9	535.6	495.6	455.5
47.5°	320.8	283.9	239.8	195.7
50°	205.0	158.8	124.5	90.1
52.5°	130.3	87.1	70.0	52.8
55°	57.4	34.0	28.3	22.5
57.5°	23.1	14.7	11.5	8.4
60°	10.2	6.1	4.6	3.2
62.5°	4.6	2.4	1.5	0.6
65°	0.5	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°	2.3	1.4	0.9	0.4
90°	11.4	7.0	4.4	1.9
92.5°	24.5	17.1	12.0	7.0
95°	49.3	39.2	27.8	19.6
97.5°	78.5	62.2	51.0	37.4
100°	94.2	78.4	67.7	53.1
102.5°	111.4	98.1	83.4	68.8
105°	142.3	125.8	108.8	92.3
107.5°	170.9	152.8	132.3	117.5
110°	189.1	169.5	148.0	134.7

TEST NUMBER: P1427600

CATALOG NUMBER: SQ2W-BBN-K-050U-125D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	206.8	186.7	164.7	151.4
115°	230.8	208.7	188.5	177.1
117.5°	254.0	231.2	209.8	200.9
120°	268.1	245.4	224.5	217.5
122.5°	279.8	257.5	238.2	235.3
125°	297.2	274.5	258.0	261.8
127.5°	311.4	290.5	280.2	288.6
130°	320.0	301.7	295.3	307.3
132.5°	327.6	313.3	310.5	327.1
135°	339.0	330.7	333.3	356.0
137.5°	352.5	349.3	357.8	386.5
140°	361.1	363.0	375.0	407.3
142.5°	372.7	377.2	392.7	427.0
145°	390.8	400.3	420.5	454.7
147.5°	411.3	423.6	448.6	483.7
150°	425.0	440.8	467.3	500.9
152.5°	440.7	457.0	483.5	517.6
155°	464.8	483.2	511.0	540.1
157.5°	489.5	508.2	534.8	560.2
160°	504.7	524.9	548.9	572.3
162.5°	521.9	540.6	561.6	582.4
165°	547.0	562.2	579.3	597.0
167.5°	568.2	580.8	594.2	608.0
170°	581.8	591.9	603.3	614.1
172.5°	593.4	601.5	609.9	619.1
175°	609.0	613.4	618.5	624.2
177.5°	621.0	622.5	624.1	626.6
180°	626.1	626.1	626.1	626.1



TEST NUMBER: P1427600
 CATALOG NUMBER: SQ2W-BBN-K-050U-125D-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