

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: P1427599

Luminaire Tested: SQ2W-BBN-K-050U-100D-L940-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1427599
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-100D-L940-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 1000 LUMENS PER FOOT
UPLIGHT 500 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

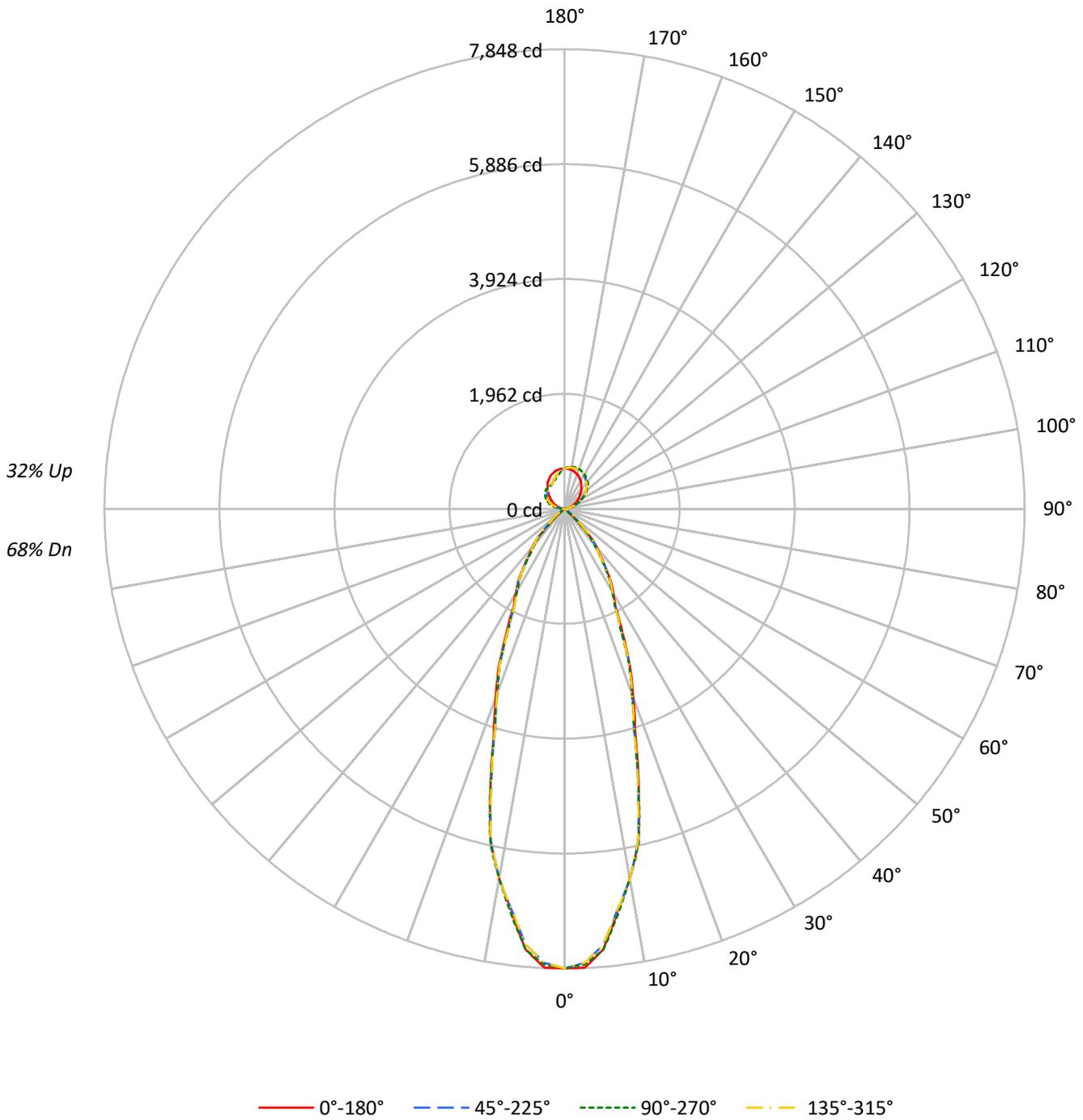
Lumens per Lamp: N/A
Luminaire Lumens: 6255.7 lumens
Efficiency: N/A
Efficacy: 118.0 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.62
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 53
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: P1427599

CATALOG NUMBER: SQ2W-BBN-K-050U-100D-L940-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	73	73	73	68
1	105	102	99	97	99	97	94	92	87	85	83	78	76	75	69	68	68	64
2	99	94	89	85	94	89	85	82	81	78	75	73	71	69	66	64	63	60
3	93	86	81	77	88	82	78	74	75	72	69	69	66	64	62	60	59	56
4	88	80	74	69	83	77	71	67	70	66	63	64	61	59	59	57	55	52
5	83	74	68	63	79	71	66	62	66	62	58	61	57	55	56	54	52	49
6	78	69	63	58	75	67	61	57	62	57	54	57	54	51	53	51	48	46
7	74	65	58	54	71	62	57	53	58	54	50	54	51	48	51	48	46	44
8	70	61	55	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	43	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°	126717	126717	126717	126717
5°	122478	122548	122478	122548
10°	105112	105112	105112	105112
15°	81586	81398	81586	81398
20°	58882	57619	58882	57619
25°	41750	40163	41750	40163
30°	31062	29982	31062	29982
35°	24170	23055	24170	23055
40°	17886	16336	17886	16336
45°	9140	7364	9140	7364
50°	1989	1457	1989	1457
55°	557	439	557	439
60°	90	45	90	45
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: 11149 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	678.7	10.8
10°-20°	1338.0	21.4
20°-30°	1079.3	17.3
30°-40°	749.8	12.0
40°-50°	346.4	5.5
50°-60°	48.5	0.8
60°-70°	1.7	0.0
70°-80°	0.0	0.0
80°-90°	3.7	0.1
90°-100°	54.8	0.9
100°-110°	159.8	2.6
110°-120°	260.8	4.2
120°-130°	330.9	5.3
130°-140°	354.1	5.7
140°-150°	330.7	5.3
150°-160°	272.1	4.3
160°-170°	182.5	2.9
170°-180°	64.8	1.0
0°-30°	3096.1	49.5
0°-40°	3845.9	61.5
0°-60°	4240.7	67.8
0°-90°	4246.1	67.9
90°-120°	475.4	7.6
90°-150°	1491.1	23.8
90°-180°	2010.0	32.1
0°-180°	6255.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	7848	7848	7848	7848	7848	
5°	7557	7561	7557	7561	7557	679
15°	4881	4870	4881	4870	4881	1344
25°	2344	2254	2344	2254	2344	1097
35°	1226	1170	1226	1170	1226	767
45°	400	322	400	322	400	323
55°	20	16	20	16	20	25
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	2	15	2	30	2	2
95°	22	16	22	94	22	26
105°	102	163	102	224	102	108
115°	195	270	195	332	195	192
125°	288	428	288	408	288	258
135°	392	560	392	451	392	303
145°	500	645	500	461	500	313
155°	594	701	594	478	594	273
165°	657	731	657	551	657	185
175°	686	716	686	646	686	65
180°	689	689	689	689	689	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	7848.4	7848.4	7848.4	7848.4	7848.4	7848.4	7848.4	7848.4	7848.4	7848.4	7848.4
2.5°	7843.9	7830.8	7817.7	7791.8	7761.6	7760.4	7788.1	7806.7	7798.1	7789.6	7798.1
5°	7557.0	7538.8	7520.6	7498.6	7475.3	7484.1	7525.0	7556.2	7558.8	7561.3	7558.8
7.5°	6924.0	6929.9	6935.8	6920.7	6898.5	6910.1	6955.4	6988.1	6983.2	6978.3	6983.2
10°	6411.4	6415.8	6420.2	6419.4	6416.9	6423.2	6438.3	6445.3	6428.4	6411.4	6428.4
12.5°	5817.3	5834.8	5852.3	5832.2	5799.5	5794.4	5817.1	5835.8	5843.0	5850.2	5843.0
15°	4881.0	4909.3	4937.6	4897.5	4834.7	4818.3	4848.5	4871.0	4870.3	4869.7	4870.3
17.5°	4003.0	4000.1	3997.2	3972.4	3940.4	3927.2	3932.8	3936.6	3934.7	3932.8	3934.7
20°	3427.0	3422.6	3418.2	3396.9	3369.8	3354.1	3349.7	3347.2	3350.4	3353.5	3350.4
22.5°	2933.7	2926.3	2918.9	2909.9	2900.5	2890.3	2879.4	2872.2	2876.4	2880.5	2876.4
25°	2343.6	2319.7	2295.9	2276.7	2259.1	2257.8	2272.9	2280.9	2267.7	2254.5	2267.7
27.5°	1881.1	1880.7	1880.4	1869.1	1854.1	1847.4	1849.1	1850.9	1853.4	1856.0	1853.4
30°	1666.1	1661.7	1657.3	1645.4	1630.9	1624.0	1624.7	1623.2	1615.7	1608.2	1615.7
32.5°	1474.9	1478.1	1481.2	1468.5	1450.5	1439.8	1436.4	1432.0	1424.5	1416.9	1424.5
35°	1226.3	1226.3	1226.3	1215.9	1202.1	1190.4	1181.0	1173.5	1171.6	1169.7	1171.6
37.5°	995.7	994.6	993.5	985.8	976.0	964.5	951.1	939.9	935.0	930.1	935.0
40°	848.6	845.5	842.3	836.8	830.6	819.2	802.9	788.9	782.0	775.1	782.0
42.5°	681.2	689.6	698.0	695.4	689.1	677.8	661.5	646.6	636.2	625.7	636.2
45°	400.3	435.5	470.7	483.2	488.3	481.4	462.5	434.4	378.4	322.5	378.4
47.5°	172.0	210.7	249.4	281.9	312.4	302.7	253.1	204.2	157.7	111.2	157.7
50°	79.2	109.4	139.6	180.1	224.1	215.0	152.8	100.7	79.4	58.0	79.4
52.5°	46.4	61.5	76.6	114.5	160.0	155.9	102.2	59.1	47.8	36.5	47.8
55°	19.8	24.8	29.9	50.4	76.2	75.0	46.7	24.4	20.0	15.6	20.0
57.5°	7.4	10.1	12.9	20.3	29.2	28.6	18.6	10.5	8.2	5.9	8.2
60°	2.8	4.1	5.3	9.0	13.4	13.0	8.0	3.9	2.7	1.4	2.7
62.5°	0.6	1.3	2.1	4.1	6.4	6.4	3.9	1.8	1.0	0.3	1.0
65°	0.0	0.0	0.0	0.5	1.1	1.1	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	1.0	1.7	2.2	2.6	2.8	2.8	2.9	3.1	3.1	3.1
90°	2.1	4.9	8.3	11.1	13.2	13.9	13.9	14.6	15.3	15.3	15.3
92.5°	7.7	12.1	12.2	12.2	14.9	16.1	17.2	17.4	18.1	18.1	18.1
95°	21.6	23.6	35.5	34.8	23.6	18.8	16.0	16.0	16.0	16.0	16.0
97.5°	41.2	44.2	46.2	61.9	65.4	63.2	51.5	43.3	38.7	36.6	38.7
100°	58.4	59.8	64.0	64.7	82.1	98.8	90.4	80.0	76.5	74.4	76.5
102.5°	75.7	76.5	82.9	85.8	89.9	99.3	128.3	125.1	122.7	122.3	122.7
105°	101.5	102.2	114.1	119.6	122.4	122.4	121.7	135.6	157.9	162.7	157.9
107.5°	129.2	132.4	146.3	161.2	164.4	165.3	161.6	159.5	158.7	159.3	158.7
110°	148.1	153.0	169.7	188.5	193.4	194.7	193.4	191.3	189.9	189.9	189.9



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	166.5	173.6	192.5	214.1	222.3	226.5	223.4	221.9	220.5	221.6	220.5
115°	194.7	205.2	230.2	252.5	269.2	271.2	270.6	270.6	269.9	269.9	269.9
117.5°	220.9	237.6	265.7	291.6	310.9	316.5	319.2	318.4	317.6	319.0	317.6
120°	239.3	258.7	290.7	319.9	338.7	347.1	349.8	348.4	349.8	348.4	349.8
122.5°	258.7	282.7	314.1	344.4	366.5	376.0	379.3	379.6	379.9	379.1	379.9
125°	287.9	317.2	354.0	385.3	408.3	419.4	422.2	422.9	424.3	427.7	424.3
127.5°	317.4	350.5	391.0	421.2	444.7	458.2	462.5	464.0	467.0	468.5	467.0
130°	338.0	375.6	416.6	445.1	468.1	482.7	490.3	492.4	495.9	495.2	495.9
132.5°	359.7	398.9	440.5	470.2	491.4	507.2	513.7	519.7	520.9	521.9	520.9
135°	391.6	434.0	475.7	504.9	525.1	540.4	548.8	554.3	557.8	559.9	557.8
137.5°	425.1	469.9	509.9	536.0	556.3	569.5	578.9	584.8	588.4	590.1	588.4
140°	447.9	491.0	530.0	557.1	575.2	588.4	596.7	603.7	607.9	607.9	607.9
142.5°	469.6	512.2	550.0	577.1	593.0	605.1	614.0	619.3	624.0	624.0	624.0
145°	500.1	542.5	577.3	604.4	617.6	628.7	638.5	642.6	645.4	645.4	645.4
147.5°	531.9	569.5	601.2	627.2	638.3	651.4	659.1	662.4	665.9	664.3	665.9
150°	550.8	585.6	616.2	640.6	651.7	664.2	671.9	674.6	678.1	676.0	678.1
152.5°	569.2	602.3	630.1	652.8	662.3	674.8	683.5	686.3	688.7	687.2	688.7
155°	594.0	623.2	648.9	669.8	678.1	689.9	698.3	701.8	704.5	701.1	704.5
157.5°	616.1	641.3	663.7	682.8	691.8	701.9	709.7	714.0	716.8	715.3	716.8
160°	629.4	652.4	672.6	690.6	699.0	708.0	716.4	721.2	724.0	721.9	724.0
162.5°	640.6	661.3	680.3	696.8	704.0	711.9	721.9	726.2	729.0	726.4	729.0
165°	656.6	673.3	689.9	703.9	710.1	716.4	726.8	731.7	733.8	731.0	733.8
167.5°	668.7	681.5	695.0	706.9	711.5	717.6	728.1	732.1	734.7	731.3	734.7
170°	675.3	686.5	698.3	708.0	711.5	717.1	727.5	731.0	733.1	729.6	733.1
172.5°	680.9	689.2	698.8	707.5	709.3	713.7	723.6	727.1	728.6	725.7	728.6
175°	686.5	691.3	698.3	703.9	703.2	705.9	714.3	717.1	719.9	715.7	719.9
177.5°	689.1	691.3	693.6	696.9	694.7	694.7	700.8	702.5	703.0	700.8	703.0
180°	688.6	688.6	688.6	688.6	688.6	688.6	688.6	688.6	688.6	688.6	688.6



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	7848.4	7848.4	7848.4	7848.4	7848.4	7848.4	7848.4	7848.4	7848.4	7848.4	7848.4
2.5°	7806.7	7788.1	7760.4	7761.6	7791.8	7817.7	7830.8	7843.9	7830.8	7817.7	7791.8
5°	7556.2	7525.0	7484.1	7475.3	7498.6	7520.6	7538.8	7557.0	7538.8	7520.6	7498.6
7.5°	6988.1	6955.4	6910.1	6898.5	6920.7	6935.8	6929.9	6924.0	6929.9	6935.8	6920.7
10°	6445.3	6438.3	6423.2	6416.9	6419.4	6420.2	6415.8	6411.4	6415.8	6420.2	6419.4
12.5°	5835.8	5817.1	5794.4	5799.5	5832.2	5852.3	5834.8	5817.3	5834.8	5852.3	5832.2
15°	4871.0	4848.5	4818.3	4834.7	4897.5	4937.6	4909.3	4881.0	4909.3	4937.6	4897.5
17.5°	3936.6	3932.8	3927.2	3940.4	3972.4	3997.2	4000.1	4003.0	4000.1	3997.2	3972.4
20°	3347.2	3349.7	3354.1	3369.8	3396.9	3418.2	3422.6	3427.0	3422.6	3418.2	3396.9
22.5°	2872.2	2879.4	2890.3	2900.5	2909.9	2918.9	2926.3	2933.7	2926.3	2918.9	2909.9
25°	2280.9	2272.9	2257.8	2259.1	2276.7	2295.9	2319.7	2343.6	2319.7	2295.9	2276.7
27.5°	1850.9	1849.1	1847.4	1854.1	1869.1	1880.4	1880.7	1881.1	1880.7	1880.4	1869.1
30°	1623.2	1624.7	1624.0	1630.9	1645.4	1657.3	1661.7	1666.1	1661.7	1657.3	1645.4
32.5°	1432.0	1436.4	1439.8	1450.5	1468.5	1481.2	1478.1	1474.9	1478.1	1481.2	1468.5
35°	1173.5	1181.0	1190.4	1202.1	1215.9	1226.3	1226.3	1226.3	1226.3	1226.3	1215.9
37.5°	939.9	951.1	964.5	976.0	985.8	993.5	994.6	995.7	994.6	993.5	985.8
40°	788.9	802.9	819.2	830.6	836.8	842.3	845.5	848.6	845.5	842.3	836.8
42.5°	646.6	661.5	677.8	689.1	695.4	698.0	689.6	681.2	689.6	698.0	695.4
45°	434.4	462.5	481.4	488.3	483.2	470.7	435.5	400.3	435.5	470.7	483.2
47.5°	204.2	253.1	302.7	312.4	281.9	249.4	210.7	172.0	210.7	249.4	281.9
50°	100.7	152.8	215.0	224.1	180.1	139.6	109.4	79.2	109.4	139.6	180.1
52.5°	59.1	102.2	155.9	160.0	114.5	76.6	61.5	46.4	61.5	76.6	114.5
55°	24.4	46.7	75.0	76.2	50.4	29.9	24.8	19.8	24.8	29.9	50.4
57.5°	10.5	18.6	28.6	29.2	20.3	12.9	10.1	7.4	10.1	12.9	20.3
60°	3.9	8.0	13.0	13.4	9.0	5.3	4.1	2.8	4.1	5.3	9.0
62.5°	1.8	3.9	6.4	6.4	4.1	2.1	1.3	0.6	1.3	2.1	4.1
65°	0.0	0.5	1.1	1.1	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°	2.9	2.8	2.8	2.6	2.2	1.7	1.0	0.4	1.0	1.5	2.5
90°	14.6	13.9	13.9	13.2	11.1	8.3	4.9	2.1	4.9	7.7	12.5
92.5°	17.4	17.2	16.1	14.9	12.2	12.2	12.1	7.7	13.2	18.8	27.0
95°	16.0	16.0	18.8	23.6	34.8	35.5	23.6	21.6	30.6	43.1	54.2
97.5°	43.3	51.5	63.2	65.4	61.9	46.2	44.2	41.2	56.1	68.4	86.4
100°	80.0	90.4	98.8	82.1	64.7	64.0	59.8	58.4	74.4	86.2	103.6
102.5°	125.1	128.3	99.3	89.9	85.8	82.9	76.5	75.7	91.7	107.9	122.5
105°	135.6	121.7	122.4	122.4	119.6	114.1	102.2	101.5	119.6	138.4	156.5
107.5°	159.5	161.6	165.3	164.4	161.2	146.3	132.4	129.2	145.5	168.0	187.9
110°	191.3	193.4	194.7	193.4	188.5	169.7	153.0	148.1	162.7	186.4	208.0



TEST NUMBER: P1427599

CATALOG NUMBER: SQ2W-BBN-K-050U-100D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	221.9	223.4	226.5	222.3	214.1	192.5	173.6	166.5	181.1	205.3	227.4
115°	270.6	270.6	271.2	269.2	252.5	230.2	205.2	194.7	207.3	229.5	253.9
117.5°	318.4	319.2	316.5	310.9	291.6	265.7	237.6	220.9	230.8	254.3	279.3
120°	348.4	349.8	347.1	338.7	319.9	290.7	258.7	239.3	246.9	269.9	294.9
122.5°	379.6	379.3	376.0	366.5	344.4	314.1	282.7	258.7	261.9	283.2	307.7
125°	422.9	422.2	419.4	408.3	385.3	354.0	317.2	287.9	283.8	301.9	326.9
127.5°	464.0	462.5	458.2	444.7	421.2	391.0	350.5	317.4	308.1	319.5	342.5
130°	492.4	490.3	482.7	468.1	445.1	416.6	375.6	338.0	324.8	331.8	351.9
132.5°	519.7	513.7	507.2	491.4	470.2	440.5	398.9	359.7	341.5	344.6	360.3
135°	554.3	548.8	540.4	525.1	504.9	475.7	434.0	391.6	366.5	363.8	372.8
137.5°	584.8	578.9	569.5	556.3	536.0	509.9	469.9	425.1	393.5	384.2	387.7
140°	603.7	596.7	588.4	575.2	557.1	530.0	491.0	447.9	412.4	399.2	397.1
142.5°	619.3	614.0	605.1	593.0	577.1	550.0	512.2	469.6	431.9	414.8	409.9
145°	642.6	638.5	628.7	617.6	604.4	577.3	542.5	500.1	462.5	440.3	429.8
147.5°	662.4	659.1	651.4	638.3	627.2	601.2	569.5	531.9	493.4	465.9	452.4
150°	674.6	671.9	664.2	651.7	640.6	616.2	585.6	550.8	514.0	484.8	467.4
152.5°	686.3	683.5	674.8	662.3	652.8	630.1	602.3	569.2	531.8	502.6	484.6
155°	701.8	698.3	689.9	678.1	669.8	648.9	623.2	594.0	562.0	531.4	511.2
157.5°	714.0	709.7	701.9	691.8	682.8	663.7	641.3	616.1	588.1	558.9	538.3
160°	721.2	716.4	708.0	699.0	690.6	672.6	652.4	629.4	603.7	577.3	555.0
162.5°	726.2	721.9	711.9	704.0	696.8	680.3	661.3	640.6	617.6	594.5	573.9
165°	731.7	726.8	716.4	710.1	703.9	689.9	673.3	656.6	637.1	618.3	601.6
167.5°	732.1	728.1	717.6	711.5	706.9	695.0	681.5	668.7	653.5	638.8	624.8
170°	731.0	727.5	717.1	711.5	708.0	698.3	686.5	675.3	663.5	651.0	639.9
172.5°	727.1	723.6	713.7	709.3	707.5	698.8	689.2	680.9	670.7	661.6	652.7
175°	717.1	714.3	705.9	703.2	703.9	698.3	691.3	686.5	680.2	674.6	669.8
177.5°	702.5	700.8	694.7	694.7	696.9	693.6	691.3	689.1	686.3	684.7	683.0
180°	688.6	688.6	688.6	688.6	688.6	688.6	688.6	688.6	688.6	688.6	688.6



TEST NUMBER: P1427599

CATALOG NUMBER: SQ2W-BBN-K-050U-100D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	7848.4	7848.4	7848.4	7848.4	7848.4	7848.4	7848.4	7848.4	7848.4	7848.4	7848.4
2.5°	7761.6	7760.4	7788.1	7806.7	7798.1	7789.6	7798.1	7806.7	7788.1	7760.4	7761.6
5°	7475.3	7484.1	7525.0	7556.2	7558.8	7561.3	7558.8	7556.2	7525.0	7484.1	7475.3
7.5°	6898.5	6910.1	6955.4	6988.1	6983.2	6978.3	6983.2	6988.1	6955.4	6910.1	6898.5
10°	6416.9	6423.2	6438.3	6445.3	6428.4	6411.4	6428.4	6445.3	6438.3	6423.2	6416.9
12.5°	5799.5	5794.4	5817.1	5835.8	5843.0	5850.2	5843.0	5835.8	5817.1	5794.4	5799.5
15°	4834.7	4818.3	4848.5	4871.0	4870.3	4869.7	4870.3	4871.0	4848.5	4818.3	4834.7
17.5°	3940.4	3927.2	3932.8	3936.6	3934.7	3932.8	3934.7	3936.6	3932.8	3927.2	3940.4
20°	3369.8	3354.1	3349.7	3347.2	3350.4	3353.5	3350.4	3347.2	3349.7	3354.1	3369.8
22.5°	2900.5	2890.3	2879.4	2872.2	2876.4	2880.5	2876.4	2872.2	2879.4	2890.3	2900.5
25°	2259.1	2257.8	2272.9	2280.9	2267.7	2254.5	2267.7	2280.9	2272.9	2257.8	2259.1
27.5°	1854.1	1847.4	1849.1	1850.9	1853.4	1856.0	1853.4	1850.9	1849.1	1847.4	1854.1
30°	1630.9	1624.0	1624.7	1623.2	1615.7	1608.2	1615.7	1623.2	1624.7	1624.0	1630.9
32.5°	1450.5	1439.8	1436.4	1432.0	1424.5	1416.9	1424.5	1432.0	1436.4	1439.8	1450.5
35°	1202.1	1190.4	1181.0	1173.5	1171.6	1169.7	1171.6	1173.5	1181.0	1190.4	1202.1
37.5°	976.0	964.5	951.1	939.9	935.0	930.1	935.0	939.9	951.1	964.5	976.0
40°	830.6	819.2	802.9	788.9	782.0	775.1	782.0	788.9	802.9	819.2	830.6
42.5°	689.1	677.8	661.5	646.6	636.2	625.7	636.2	646.6	661.5	677.8	689.1
45°	488.3	481.4	462.5	434.4	378.4	322.5	378.4	434.4	462.5	481.4	488.3
47.5°	312.4	302.7	253.1	204.2	157.7	111.2	157.7	204.2	253.1	302.7	312.4
50°	224.1	215.0	152.8	100.7	79.4	58.0	79.4	100.7	152.8	215.0	224.1
52.5°	160.0	155.9	102.2	59.1	47.8	36.5	47.8	59.1	102.2	155.9	160.0
55°	76.2	75.0	46.7	24.4	20.0	15.6	20.0	24.4	46.7	75.0	76.2
57.5°	29.2	28.6	18.6	10.5	8.2	5.9	8.2	10.5	18.6	28.6	29.2
60°	13.4	13.0	8.0	3.9	2.7	1.4	2.7	3.9	8.0	13.0	13.4
62.5°	6.4	6.4	3.9	1.8	1.0	0.3	1.0	1.8	3.9	6.4	6.4
65°	1.1	1.1	0.5	0.0	0.0	0.0	0.0	0.5	1.1	1.1	1.1
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°	3.2	4.2	5.1	5.7	6.3	6.0	6.3	5.7	5.1	4.2	3.2
90°	16.0	20.9	25.7	28.5	31.3	29.9	31.3	28.5	25.7	20.9	16.0
92.5°	32.1	40.3	46.3	51.3	53.6	53.3	53.6	51.3	46.3	40.3	32.1
95°	64.7	74.4	84.2	91.1	95.3	93.9	95.3	91.1	84.2	74.4	64.7
97.5°	99.7	112.8	123.7	130.2	134.4	137.2	134.4	130.2	123.7	112.8	99.7
100°	123.1	135.6	148.1	155.8	162.7	165.5	162.7	155.8	148.1	135.6	123.1
102.5°	142.0	158.4	172.1	180.3	186.1	188.9	186.1	180.3	172.1	158.4	142.0
105°	173.2	190.6	205.2	215.6	221.9	224.0	221.9	215.6	205.2	190.6	173.2
107.5°	204.3	222.3	235.8	247.3	255.0	259.4	255.0	247.3	235.8	222.3	204.3
110°	228.8	243.4	258.0	268.5	276.1	278.9	276.1	268.5	258.0	243.4	228.8



TEST NUMBER: P1427599

CATALOG NUMBER: SQ2W-BBN-K-050U-100D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	249.4	265.7	280.3	290.7	299.5	303.4	299.5	290.7	280.3	265.7	249.4
115°	278.2	299.8	313.0	322.7	329.0	332.5	329.0	322.7	313.0	299.8	278.2
117.5°	302.1	324.7	339.1	346.6	349.6	352.1	349.6	346.6	339.1	324.7	302.1
120°	317.2	338.0	354.7	364.4	367.9	369.3	367.9	364.4	354.7	338.0	317.2
122.5°	331.1	350.8	366.9	378.9	384.6	386.0	384.6	378.9	366.9	350.8	331.1
125°	350.5	369.3	386.0	397.8	404.1	407.6	404.1	397.8	386.0	369.3	350.5
127.5°	367.5	387.8	403.1	413.8	419.9	422.7	419.9	413.8	403.1	387.8	367.5
130°	377.0	397.8	413.1	425.0	430.5	433.3	430.5	425.0	413.1	397.8	377.0
132.5°	384.2	406.2	422.0	432.7	438.9	441.6	438.9	432.7	422.0	406.2	384.2
135°	393.0	415.9	432.6	443.0	448.6	451.4	448.6	443.0	432.6	415.9	393.0
137.5°	400.6	421.5	438.9	449.9	454.9	456.7	454.9	449.9	438.9	421.5	400.6
140°	406.2	424.3	441.6	452.1	457.6	458.3	457.6	452.1	441.6	424.3	406.2
142.5°	413.4	427.6	442.8	453.2	458.8	460.0	458.8	453.2	442.8	427.6	413.4
145°	426.3	434.7	445.1	454.9	459.7	461.1	459.7	454.9	445.1	434.7	426.3
147.5°	442.6	445.3	450.7	457.1	461.8	462.8	461.8	457.1	445.3	442.6	442.6
150°	454.9	454.2	456.3	460.4	464.6	463.9	464.6	460.4	456.3	454.2	454.9
152.5°	468.8	464.7	464.6	466.5	468.5	468.4	468.5	466.5	464.6	464.7	468.8
155°	492.4	484.8	480.6	479.2	479.2	478.5	479.2	479.2	480.6	484.8	492.4
157.5°	518.4	507.7	501.5	498.1	497.1	495.6	497.1	498.1	501.5	507.7	518.4
160°	536.2	524.4	518.2	512.6	510.5	508.4	510.5	512.6	518.2	524.4	536.2
162.5°	552.9	541.7	534.8	529.8	527.8	524.6	527.8	529.8	534.8	541.7	552.9
165°	580.1	568.2	560.6	556.4	553.6	550.8	553.6	556.4	560.6	568.2	580.1
167.5°	607.2	594.2	589.2	584.5	581.9	576.9	581.9	584.5	589.2	594.2	607.2
170°	623.9	612.0	609.3	605.1	600.2	594.7	600.2	605.1	609.3	612.0	623.9
172.5°	638.3	630.4	627.6	623.5	621.9	617.5	621.9	623.5	627.6	630.4	638.3
175°	659.3	653.1	653.1	652.4	650.3	646.1	650.3	652.4	653.1	653.1	659.3
177.5°	676.9	673.5	675.8	675.8	675.2	671.3	675.2	675.8	675.8	673.5	676.9
180°	688.6	688.6	688.6	688.6	688.6	688.6	688.6	688.6	688.6	688.6	688.6



TEST NUMBER: P1427599

CATALOG NUMBER: SQ2W-BBN-K-050U-100D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	7848.4	7848.4	7848.4	7848.4
2.5°	7791.8	7817.7	7830.8	7843.9
5°	7498.6	7520.6	7538.8	7557.0
7.5°	6920.7	6935.8	6929.9	6924.0
10°	6419.4	6420.2	6415.8	6411.4
12.5°	5832.2	5852.3	5834.8	5817.3
15°	4897.5	4937.6	4909.3	4881.0
17.5°	3972.4	3997.2	4000.1	4003.0
20°	3396.9	3418.2	3422.6	3427.0
22.5°	2909.9	2918.9	2926.3	2933.7
25°	2276.7	2295.9	2319.7	2343.6
27.5°	1869.1	1880.4	1880.7	1881.1
30°	1645.4	1657.3	1661.7	1666.1
32.5°	1468.5	1481.2	1478.1	1474.9
35°	1215.9	1226.3	1226.3	1226.3
37.5°	985.8	993.5	994.6	995.7
40°	836.8	842.3	845.5	848.6
42.5°	695.4	698.0	689.6	681.2
45°	483.2	470.7	435.5	400.3
47.5°	281.9	249.4	210.7	172.0
50°	180.1	139.6	109.4	79.2
52.5°	114.5	76.6	61.5	46.4
55°	50.4	29.9	24.8	19.8
57.5°	20.3	12.9	10.1	7.4
60°	9.0	5.3	4.1	2.8
62.5°	4.1	2.1	1.3	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°	2.5	1.5	1.0	0.4
90°	12.5	7.7	4.9	2.1
92.5°	27.0	18.8	13.2	7.7
95°	54.2	43.1	30.6	21.6
97.5°	86.4	68.4	56.1	41.2
100°	103.6	86.2	74.4	58.4
102.5°	122.5	107.9	91.7	75.7
105°	156.5	138.4	119.6	101.5
107.5°	187.9	168.0	145.5	129.2
110°	208.0	186.4	162.7	148.1

TEST NUMBER: P1427599

CATALOG NUMBER: SQ2W-BBN-K-050U-100D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	227.4	205.3	181.1	166.5
115°	253.9	229.5	207.3	194.7
117.5°	279.3	254.3	230.8	220.9
120°	294.9	269.9	246.9	239.3
122.5°	307.7	283.2	261.9	258.7
125°	326.9	301.9	283.8	287.9
127.5°	342.5	319.5	308.1	317.4
130°	351.9	331.8	324.8	338.0
132.5°	360.3	344.6	341.5	359.7
135°	372.8	363.8	366.5	391.6
137.5°	387.7	384.2	393.5	425.1
140°	397.1	399.2	412.4	447.9
142.5°	409.9	414.8	431.9	469.6
145°	429.8	440.3	462.5	500.1
147.5°	452.4	465.9	493.4	531.9
150°	467.4	484.8	514.0	550.8
152.5°	484.6	502.6	531.8	569.2
155°	511.2	531.4	562.0	594.0
157.5°	538.3	558.9	588.1	616.1
160°	555.0	577.3	603.7	629.4
162.5°	573.9	594.5	617.6	640.6
165°	601.6	618.3	637.1	656.6
167.5°	624.8	638.8	653.5	668.7
170°	639.9	651.0	663.5	675.3
172.5°	652.7	661.6	670.7	680.9
175°	669.8	674.6	680.2	686.5
177.5°	683.0	684.7	686.3	689.1
180°	688.6	688.6	688.6	688.6



TEST NUMBER: P1427599
 CATALOG NUMBER: SQ2W-BBN-K-050U-100D-L940-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