

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: P1427596

Luminaire Tested: SQ2W-BBN-K-050U-075D-L940-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1427596
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-075D-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 750 LUMENS PER FOOT
UPLIGHT 500 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

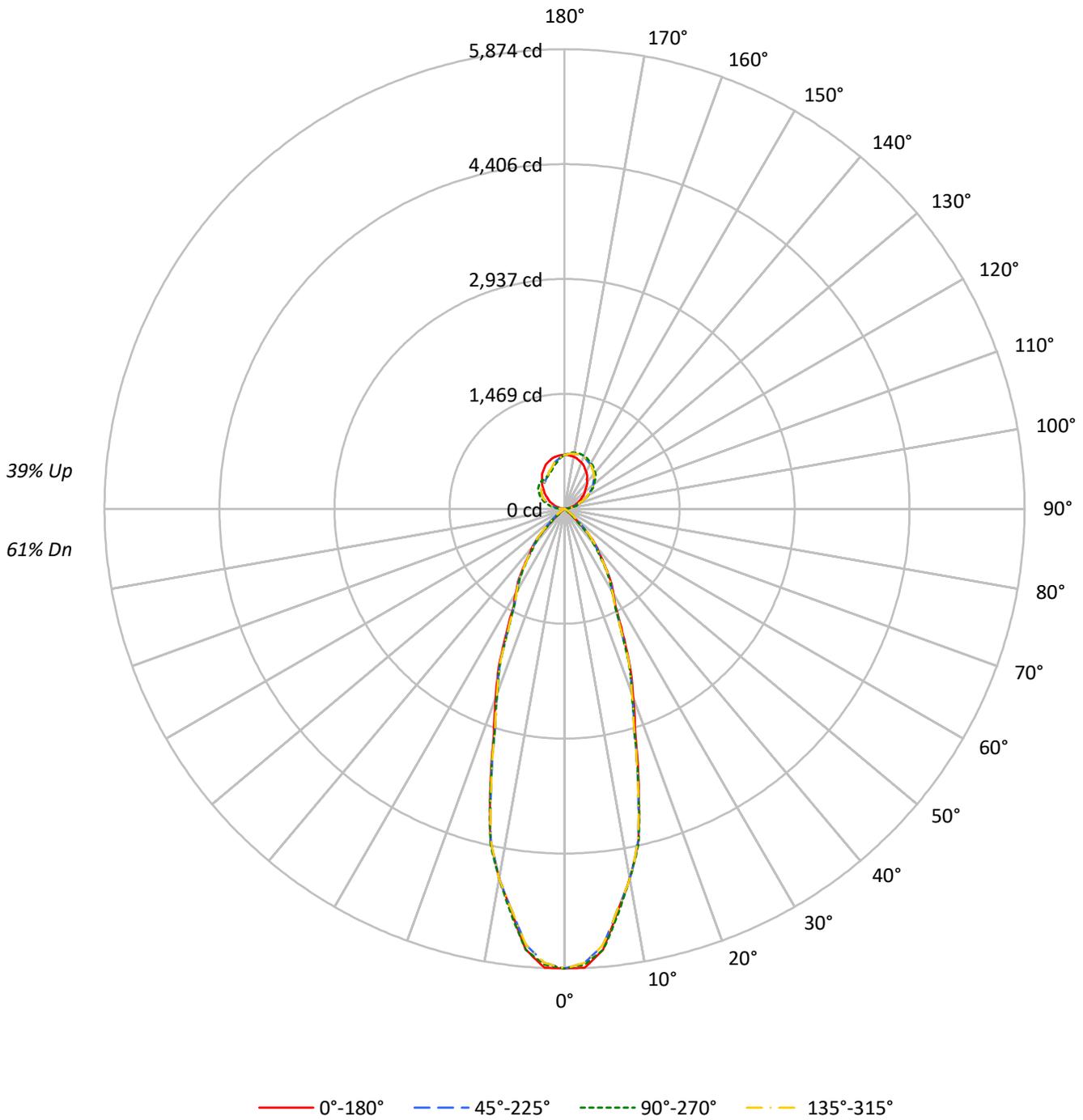
Lumens per Lamp: N/A
Luminaire Lumens: 5188.5 lumens
Efficiency: N/A
Efficacy: 122.1 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.62
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 42.5
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: P1427596

CATALOG NUMBER: SQ2W-BBN-K-050U-075D-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	50	30	10	0	
RCR																						
0	110	110	110	110	103	103	103	103	90	90	90	78	78	78	66	66	66	66	66	66	61	
1	103	100	97	95	97	94	92	90	83	81	80	73	72	71	63	63	62	62	62	62	58	
2	97	91	87	83	91	86	83	79	77	74	72	68	66	65	60	59	58	58	58	58	54	
3	91	84	79	74	86	80	75	71	72	68	65	64	61	59	57	55	54	54	54	54	50	
4	86	77	71	67	81	74	68	64	67	63	60	60	57	55	54	52	50	50	50	50	47	
5	81	72	65	61	76	68	63	59	62	58	55	56	53	51	51	49	47	47	47	47	44	
6	76	67	60	56	72	64	58	54	58	54	51	53	50	47	48	46	44	44	44	44	42	
7	72	62	56	51	68	60	54	50	55	50	47	50	47	44	46	43	42	42	42	42	39	
8	68	58	52	48	65	56	50	46	52	47	44	48	44	42	44	41	39	39	39	39	37	
9	65	55	49	44	61	53	47	43	49	44	41	45	42	39	42	39	37	37	37	37	35	
10	61	51	46	42	58	50	44	41	46	42	39	43	39	37	40	37	35	35	35	35	34	

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	94841	94841	94841	94841
5°	91668	91720	91668	91720
10°	78670	78670	78670	78670
15°	61064	60922	61064	60922
20°	44069	43124	44069	43124
25°	31249	30060	31249	30060
30°	23248	22439	23248	22439
35°	18090	17254	18090	17254
40°	13386	12226	13386	12226
45°	6841	5512	6841	5512
50°	1489	1090	1489	1090
55°	417	327	417	327
60°	68	36	68	36
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: 8343 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	507.9	9.8
10°-20°	1001.4	19.3
20°-30°	807.8	15.6
30°-40°	561.2	10.8
40°-50°	259.2	5.0
50°-60°	36.3	0.7
60°-70°	1.2	0.0
70°-80°	0.0	0.0
80°-90°	3.7	0.1
90°-100°	54.8	1.1
100°-110°	159.8	3.1
110°-120°	260.8	5.0
120°-130°	330.9	6.4
130°-140°	354.1	6.8
140°-150°	330.7	6.4
150°-160°	272.1	5.2
160°-170°	182.5	3.5
170°-180°	64.8	1.2
0°-30°	2317.2	44.7
0°-40°	2878.4	55.5
0°-60°	3173.9	61.2
0°-90°	3178.8	61.3
90°-120°	475.4	9.2
90°-150°	1491.1	28.7
90°-180°	2010.0	38.7
0°-180°	5188.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	5874	5874	5874	5874	5874	
5°	5656	5659	5656	5659	5656	508
15°	3653	3645	3653	3645	3653	1006
25°	1754	1687	1754	1687	1754	821
35°	918	875	918	875	918	574
45°	300	241	300	241	300	242
55°	15	12	15	12	15	19
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°	5874.1	5874.1	5874.1	5874.1	5874.1	5874.1	5874.1	5874.1	5874.1	5874.1	5874.1
2.5°	5870.7	5860.9	5851.1	5831.7	5809.1	5808.2	5828.9	5842.8	5836.4	5830.0	5836.4
5°	5656.0	5642.3	5628.7	5612.2	5594.8	5601.4	5632.0	5655.4	5657.3	5659.2	5657.3
7.5°	5182.2	5186.6	5191.0	5179.7	5163.1	5171.8	5205.7	5230.2	5226.5	5222.8	5226.5
10°	4798.5	4801.8	4805.1	4804.5	4802.7	4807.4	4818.6	4823.9	4811.2	4798.5	4811.2
12.5°	4353.9	4367.0	4380.1	4365.0	4340.5	4336.8	4353.7	4367.8	4373.1	4378.5	4373.1
15°	3653.2	3674.3	3695.5	3665.5	3618.5	3606.2	3628.8	3645.6	3645.2	3644.7	3645.2
17.5°	2996.0	2993.8	2991.7	2973.1	2949.1	2939.2	2943.5	2946.3	2944.9	2943.5	2944.9
20°	2564.9	2561.6	2558.3	2542.4	2522.1	2510.4	2507.1	2505.2	2507.5	2509.9	2507.5
22.5°	2195.7	2190.2	2184.6	2177.9	2170.9	2163.2	2155.1	2149.7	2152.8	2155.9	2152.8
25°	1754.1	1736.2	1718.3	1704.0	1690.8	1689.8	1701.1	1707.1	1697.3	1687.4	1697.3
27.5°	1407.9	1407.6	1407.3	1398.9	1387.7	1382.7	1383.9	1385.3	1387.2	1389.1	1387.2
30°	1247.0	1243.7	1240.4	1231.5	1220.7	1215.5	1216.0	1214.9	1209.2	1203.6	1209.2
32.5°	1103.9	1106.2	1108.6	1099.1	1085.6	1077.6	1075.1	1071.8	1066.1	1060.5	1066.1
35°	917.8	917.8	917.8	910.0	899.7	891.0	883.9	878.3	876.9	875.4	876.9
37.5°	745.2	744.4	743.5	737.8	730.5	721.8	711.9	703.5	699.8	696.1	699.8
40°	635.1	632.8	630.4	626.3	621.6	613.2	600.9	590.5	585.3	580.1	585.3
42.5°	509.8	516.1	522.4	520.5	515.8	507.3	495.1	483.9	476.1	468.3	476.1
45°	299.6	325.9	352.3	361.7	365.4	360.3	346.2	325.1	283.2	241.4	283.2
47.5°	128.7	157.7	186.7	211.0	233.8	226.6	189.4	152.8	118.0	83.2	118.0
50°	59.3	81.9	104.4	134.8	167.7	160.9	114.3	75.4	59.4	43.4	59.4
52.5°	34.7	46.0	57.3	85.7	119.7	116.7	76.5	44.2	35.8	27.3	35.8
55°	14.8	18.6	22.3	37.8	57.0	56.1	34.9	18.2	14.9	11.6	14.9
57.5°	5.5	7.6	9.6	15.2	21.9	21.4	13.9	7.8	6.1	4.4	6.1
60°	2.1	3.1	4.0	6.7	10.0	9.8	6.0	2.9	2.0	1.1	2.0
62.5°	0.4	1.0	1.6	3.0	4.8	4.8	2.9	1.3	0.8	0.2	0.8
65°	0.0	0.0	0.0	0.4	0.8	0.8	0.4	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°	5874.1	5874.1	5874.1	5874.1	5874.1	5874.1	5874.1	5874.1	5874.1	5874.1	5874.1
2.5°	5842.8	5828.9	5808.2	5809.1	5831.7	5851.1	5860.9	5870.7	5860.9	5851.1	5831.7
5°	5655.4	5632.0	5601.4	5594.8	5612.2	5628.7	5642.3	5656.0	5642.3	5628.7	5612.2
7.5°	5230.2	5205.7	5171.8	5163.1	5179.7	5191.0	5186.6	5182.2	5186.6	5191.0	5179.7
10°	4823.9	4818.6	4807.4	4802.7	4804.5	4805.1	4801.8	4798.5	4801.8	4805.1	4804.5
12.5°	4367.8	4353.7	4336.8	4340.5	4365.0	4380.1	4367.0	4353.9	4367.0	4380.1	4365.0
15°	3645.6	3628.8	3606.2	3618.5	3665.5	3695.5	3674.3	3653.2	3674.3	3695.5	3665.5
17.5°	2946.3	2943.5	2939.2	2949.1	2973.1	2991.7	2993.8	2996.0	2993.8	2991.7	2973.1
20°	2505.2	2507.1	2510.4	2522.1	2542.4	2558.3	2561.6	2564.9	2561.6	2558.3	2542.4
22.5°	2149.7	2155.1	2163.2	2170.9	2177.9	2184.6	2190.2	2195.7	2190.2	2184.6	2177.9
25°	1707.1	1701.1	1689.8	1690.8	1704.0	1718.3	1736.2	1754.1	1736.2	1718.3	1704.0
27.5°	1385.3	1383.9	1382.7	1387.7	1398.9	1407.3	1407.6	1407.9	1407.6	1407.3	1398.9
30°	1214.9	1216.0	1215.5	1220.7	1231.5	1240.4	1243.7	1247.0	1243.7	1240.4	1231.5
32.5°	1071.8	1075.1	1077.6	1085.6	1099.1	1108.6	1106.2	1103.9	1106.2	1108.6	1099.1
35°	878.3	883.9	891.0	899.7	910.0	917.8	917.8	917.8	917.8	917.8	910.0
37.5°	703.5	711.9	721.8	730.5	737.8	743.5	744.4	745.2	744.4	743.5	737.8
40°	590.5	600.9	613.2	621.6	626.3	630.4	632.8	635.1	632.8	630.4	626.3
42.5°	483.9	495.1	507.3	515.8	520.5	522.4	516.1	509.8	516.1	522.4	520.5
45°	325.1	346.2	360.3	365.4	361.7	352.3	325.9	299.6	325.9	352.3	361.7
47.5°	152.8	189.4	226.6	233.8	211.0	186.7	157.7	128.7	157.7	186.7	211.0
50°	75.4	114.3	160.9	167.7	134.8	104.4	81.9	59.3	81.9	104.4	134.8
52.5°	44.2	76.5	116.7	119.7	85.7	57.3	46.0	34.7	46.0	57.3	85.7
55°	18.2	34.9	56.1	57.0	37.8	22.3	18.6	14.8	18.6	22.3	37.8
57.5°	7.8	13.9	21.4	21.9	15.2	9.6	7.6	5.5	7.6	9.6	15.2
60°	2.9	6.0	9.8	10.0	6.7	4.0	3.1	2.1	3.1	4.0	6.7
62.5°	1.3	2.9	4.8	4.8	3.0	1.6	1.0	0.4	1.0	1.6	3.0
65°	0.0	0.4	0.8	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.4
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: P1427596

CATALOG NUMBER: SQ2W-BBN-K-050U-075D-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: P1427596

CATALOG NUMBER: SQ2W-BBN-K-050U-075D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	5874.1	5874.1	5874.1	5874.1	5874.1	5874.1	5874.1	5874.1	5874.1	5874.1	5874.1
2.5°	5809.1	5808.2	5828.9	5842.8	5836.4	5830.0	5836.4	5842.8	5828.9	5808.2	5809.1
5°	5594.8	5601.4	5632.0	5655.4	5657.3	5659.2	5657.3	5655.4	5632.0	5601.4	5594.8
7.5°	5163.1	5171.8	5205.7	5230.2	5226.5	5222.8	5226.5	5230.2	5205.7	5171.8	5163.1
10°	4802.7	4807.4	4818.6	4823.9	4811.2	4798.5	4811.2	4823.9	4818.6	4807.4	4802.7
12.5°	4340.5	4336.8	4353.7	4367.8	4373.1	4378.5	4373.1	4367.8	4353.7	4336.8	4340.5
15°	3618.5	3606.2	3628.8	3645.6	3645.2	3644.7	3645.2	3645.6	3628.8	3606.2	3618.5
17.5°	2949.1	2939.2	2943.5	2946.3	2944.9	2943.5	2944.9	2946.3	2943.5	2939.2	2949.1
20°	2522.1	2510.4	2507.1	2505.2	2507.5	2509.9	2507.5	2505.2	2507.1	2510.4	2522.1
22.5°	2170.9	2163.2	2155.1	2149.7	2152.8	2155.9	2152.8	2149.7	2155.1	2163.2	2170.9
25°	1690.8	1689.8	1701.1	1707.1	1697.3	1687.4	1697.3	1707.1	1701.1	1689.8	1690.8
27.5°	1387.7	1382.7	1383.9	1385.3	1387.2	1389.1	1387.2	1385.3	1383.9	1382.7	1387.7
30°	1220.7	1215.5	1216.0	1214.9	1209.2	1203.6	1209.2	1214.9	1216.0	1215.5	1220.7
32.5°	1085.6	1077.6	1075.1	1071.8	1066.1	1060.5	1066.1	1071.8	1075.1	1077.6	1085.6
35°	899.7	891.0	883.9	878.3	876.9	875.4	876.9	878.3	883.9	891.0	899.7
37.5°	730.5	721.8	711.9	703.5	699.8	696.1	699.8	703.5	711.9	721.8	730.5
40°	621.6	613.2	600.9	590.5	585.3	580.1	585.3	590.5	600.9	613.2	621.6
42.5°	515.8	507.3	495.1	483.9	476.1	468.3	476.1	483.9	495.1	507.3	515.8
45°	365.4	360.3	346.2	325.1	283.2	241.4	283.2	325.1	346.2	360.3	365.4
47.5°	233.8	226.6	189.4	152.8	118.0	83.2	118.0	152.8	189.4	226.6	233.8
50°	167.7	160.9	114.3	75.4	59.4	43.4	59.4	75.4	114.3	160.9	167.7
52.5°	119.7	116.7	76.5	44.2	35.8	27.3	35.8	44.2	76.5	116.7	119.7
55°	57.0	56.1	34.9	18.2	14.9	11.6	14.9	18.2	34.9	56.1	57.0
57.5°	21.9	21.4	13.9	7.8	6.1	4.4	6.1	7.8	13.9	21.4	21.9
60°	10.0	9.8	6.0	2.9	2.0	1.1	2.0	2.9	6.0	9.8	10.0
62.5°	4.8	4.8	2.9	1.3	0.8	0.2	0.8	1.3	2.9	4.8	4.8
65°	0.8	0.8	0.4	0.0	0.0	0.0	0.0	0.4	0.8	0.8	0.8
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: P1427596

CATALOG NUMBER: SQ2W-BBN-K-050U-075D-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: P1427596

CATALOG NUMBER: SQ2W-BBN-K-050U-075D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	5874.1	5874.1	5874.1	5874.1
2.5°	5831.7	5851.1	5860.9	5870.7
5°	5612.2	5628.7	5642.3	5656.0
7.5°	5179.7	5191.0	5186.6	5182.2
10°	4804.5	4805.1	4801.8	4798.5
12.5°	4365.0	4380.1	4367.0	4353.9
15°	3665.5	3695.5	3674.3	3653.2
17.5°	2973.1	2991.7	2993.8	2996.0
20°	2542.4	2558.3	2561.6	2564.9
22.5°	2177.9	2184.6	2190.2	2195.7
25°	1704.0	1718.3	1736.2	1754.1
27.5°	1398.9	1407.3	1407.6	1407.9
30°	1231.5	1240.4	1243.7	1247.0
32.5°	1099.1	1108.6	1106.2	1103.9
35°	910.0	917.8	917.8	917.8
37.5°	737.8	743.5	744.4	745.2
40°	626.3	630.4	632.8	635.1
42.5°	520.5	522.4	516.1	509.8
45°	361.7	352.3	325.9	299.6
47.5°	211.0	186.7	157.7	128.7
50°	134.8	104.4	81.9	59.3
52.5°	85.7	57.3	46.0	34.7
55°	37.8	22.3	18.6	14.8
57.5°	15.2	9.6	7.6	5.5
60°	6.7	4.0	3.1	2.1
62.5°	3.0	1.6	1.0	0.4
65°	0.4	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: P1427596

CATALOG NUMBER: SQ2W-BBN-K-050U-075D-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: P1427596

CATALOG NUMBER: SQ2W-BBN-K-050U-075D-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