

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: P1427608

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

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1427608  
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-075U-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 750 LUMENS PER FOOT  
Light Source: 4000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

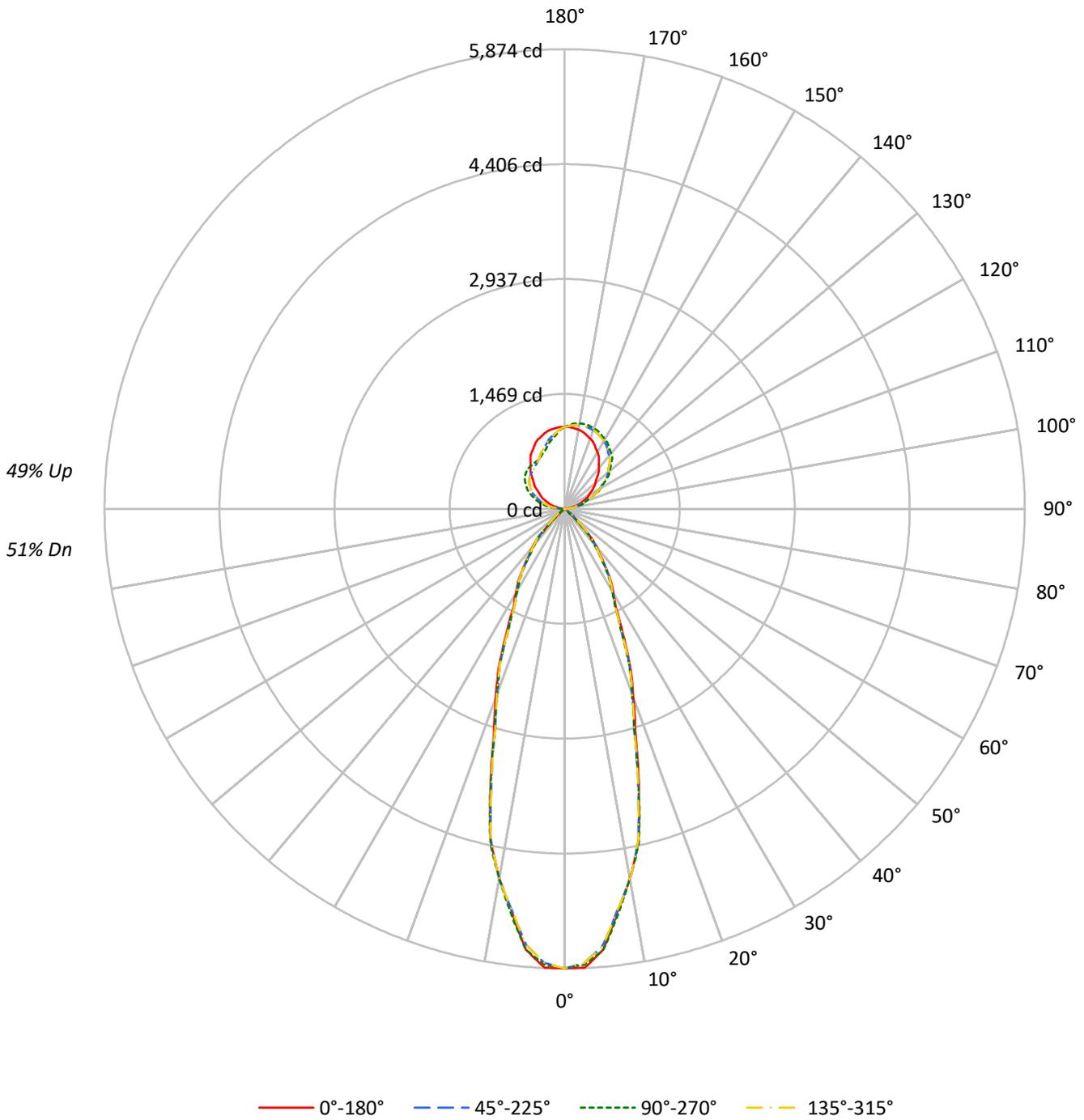
Lumens per Lamp: N/A  
Luminaire Lumens: 6233.9 lumens  
Efficiency: N/A  
Efficacy: 121.8 lumens/watt  
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.62  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 51.2  
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: P1427608

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

### Luminous Intensity Polar Plot





TEST NUMBER: P1427608

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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	107	107	107	107	99	99	99	99	84	84	84	70	70	70	57	57	57	51
1	100	97	94	91	93	90	88	85	77	75	74	65	64	63	54	54	53	48
2	94	88	84	80	87	82	78	75	71	68	66	61	59	57	51	50	49	45
3	88	81	75	70	82	75	71	67	66	62	59	57	54	52	49	47	46	42
4	82	74	68	63	77	69	64	60	61	57	54	53	50	48	46	44	43	39
5	77	68	61	57	72	64	58	54	57	52	49	50	47	45	43	41	40	37
6	72	63	56	52	68	59	54	49	53	49	45	47	44	41	41	39	37	35
7	68	58	52	47	64	55	50	45	50	45	42	44	41	39	39	37	35	33
8	64	54	48	44	60	52	46	42	46	42	39	42	38	36	37	35	33	31
9	61	51	45	40	57	48	43	39	44	39	36	39	36	34	35	33	31	29
10	58	48	42	38	54	46	40	36	41	37	34	37	34	32	34	31	30	28

**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	8.1
10°-20°	1001.4	16.1
20°-30°	807.8	13.0
30°-40°	561.2	9.0
40°-50°	259.2	4.2
50°-60°	36.3	0.6
60°-70°	1.2	0.0
70°-80°	0.0	0.0
80°-90°	5.5	0.1
90°-100°	83.3	1.3
100°-110°	242.8	3.9
110°-120°	396.2	6.4
120°-130°	502.8	8.1
130°-140°	538.0	8.6
140°-150°	502.4	8.1
150°-160°	413.4	6.6
160°-170°	277.2	4.4
170°-180°	98.4	1.6
0°-30°	2317.2	37.2
0°-40°	2878.4	46.2
0°-60°	3173.9	50.9
0°-90°	3180.7	51.0
90°-120°	722.3	11.6
90°-150°	2265.4	36.3
90°-180°	3054.0	49.0
0°-180°	6233.9	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°	3	23	3	45	3	3
95°	33	24	33	143	33	40
105°	154	247	154	340	154	164
115°	296	410	296	505	296	292
125°	438	650	438	619	438	391
135°	595	851	595	686	595	460
145°	760	981	760	701	760	475
155°	902	1065	902	727	902	415
165°	998	1111	998	837	998	281
175°	1043	1087	1043	982	1043	99
180°	1046	1046	1046	1046	1046	



TEST NUMBER: P1427608

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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°	0.6	1.5	2.5	3.4	4.0	4.2	4.2	4.4	4.6	4.6	4.6
90°	3.2	7.4	12.7	16.9	20.1	21.1	21.1	22.2	23.2	23.2	23.2
92.5°	11.6	18.4	18.6	18.6	22.6	24.5	26.2	26.4	27.5	27.5	27.5
95°	32.8	35.9	53.9	52.8	35.9	28.5	24.3	24.3	24.3	24.3	24.3
97.5°	62.6	67.2	70.2	94.0	99.3	95.9	78.2	65.7	58.8	55.6	58.8
100°	88.8	90.9	97.2	98.3	124.7	150.0	137.4	121.5	116.2	113.1	116.2
102.5°	115.0	116.2	126.0	130.4	136.5	150.9	194.9	190.0	186.4	185.8	186.4
105°	154.3	155.3	173.3	181.7	186.0	186.0	184.9	206.1	239.9	247.3	239.9
107.5°	196.3	201.2	222.3	244.9	249.8	251.1	245.6	242.4	241.1	242.0	241.1
110°	225.1	232.5	257.8	286.4	293.8	295.9	293.8	290.6	288.5	288.5	288.5



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	253.0	263.7	292.5	325.2	337.7	344.1	339.4	337.1	335.0	336.7	335.0
115°	295.9	311.7	349.8	383.6	408.9	412.1	411.0	411.0	410.0	410.0	410.0
117.5°	335.6	361.0	403.7	443.0	472.3	480.8	485.0	483.7	482.5	484.6	482.5
120°	363.5	393.1	441.7	486.1	514.6	527.3	531.5	529.4	531.5	529.4	531.5
122.5°	393.1	429.4	477.2	523.3	556.9	571.2	576.3	576.7	577.2	575.9	577.2
125°	437.5	481.8	537.8	585.4	620.3	637.2	641.4	642.5	644.6	649.9	644.6
127.5°	482.3	532.6	594.1	639.9	675.6	696.1	702.7	705.0	709.5	711.8	709.5
130°	513.5	570.6	632.9	676.3	711.1	733.3	745.0	748.1	753.4	752.4	753.4
132.5°	546.5	606.1	669.3	714.3	746.6	770.5	780.5	789.5	791.5	792.9	791.5
135°	594.9	659.4	722.8	767.1	797.8	821.0	833.7	842.2	847.5	850.6	847.5
137.5°	645.8	713.9	774.8	814.3	845.1	865.2	879.6	888.5	893.9	896.5	893.9
140°	680.5	746.0	805.2	846.4	873.9	893.9	906.6	917.2	923.5	923.5	923.5
142.5°	713.5	778.1	835.6	876.8	900.9	919.3	932.8	940.9	948.0	948.0	948.0
145°	759.7	824.2	877.0	918.3	938.3	955.2	970.0	976.4	980.6	980.6	980.6
147.5°	808.1	865.2	913.4	952.9	969.8	989.7	1001.3	1006.4	1011.7	1009.3	1011.7
150°	836.9	889.7	936.2	973.2	990.1	1009.1	1020.7	1025.0	1030.3	1027.1	1030.3
152.5°	864.8	915.1	957.3	991.8	1006.2	1025.2	1038.5	1042.7	1046.3	1044.0	1046.3
155°	902.4	946.8	985.9	1017.6	1030.3	1048.2	1060.9	1066.2	1070.4	1065.1	1070.4
157.5°	936.0	974.3	1008.3	1037.4	1051.0	1066.4	1078.2	1084.8	1089.0	1086.7	1089.0
160°	956.3	991.2	1021.8	1049.3	1062.0	1075.7	1088.4	1095.8	1100.0	1096.8	1100.0
162.5°	973.2	1004.7	1033.6	1058.6	1069.6	1081.6	1096.8	1103.4	1107.6	1103.6	1107.6
165°	997.5	1022.9	1048.2	1069.4	1078.9	1088.4	1104.2	1111.6	1114.8	1110.6	1114.8
167.5°	1015.9	1035.3	1055.8	1074.0	1081.0	1090.3	1106.1	1112.3	1116.3	1111.0	1116.3
170°	1026.0	1042.9	1060.9	1075.7	1081.0	1089.4	1105.3	1110.6	1113.7	1108.5	1113.7
172.5°	1034.5	1047.2	1061.7	1074.9	1077.6	1084.4	1099.4	1104.6	1107.0	1102.5	1107.0
175°	1042.9	1050.3	1060.9	1069.4	1068.3	1072.5	1085.2	1089.4	1093.7	1087.3	1093.7
177.5°	1047.0	1050.3	1053.7	1058.8	1055.4	1055.4	1064.7	1067.2	1068.1	1064.7	1068.1
180°	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1



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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°	4.4	4.2	4.2	4.0	3.4	2.5	1.5	0.6	1.5	2.3	3.8
90°	22.2	21.1	21.1	20.1	16.9	12.7	7.4	3.2	7.4	11.6	19.0
92.5°	26.4	26.2	24.5	22.6	18.6	18.6	18.4	11.6	20.1	28.5	41.0
95°	24.3	24.3	28.5	35.9	52.8	53.9	35.9	32.8	46.5	65.5	82.4
97.5°	65.7	78.2	95.9	99.3	94.0	70.2	67.2	62.6	85.2	104.0	131.2
100°	121.5	137.4	150.0	124.7	98.3	97.2	90.9	88.8	113.1	131.0	157.4
102.5°	190.0	194.9	150.9	136.5	130.4	126.0	116.2	115.0	139.3	164.0	186.2
105°	206.1	184.9	186.0	186.0	181.7	173.3	155.3	154.3	181.7	210.3	237.8
107.5°	242.4	245.6	251.1	249.8	244.9	222.3	201.2	196.3	221.1	255.3	285.5
110°	290.6	293.8	295.9	293.8	286.4	257.8	232.5	225.1	247.3	283.2	315.9



TEST NUMBER: P1427608

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

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	337.1	339.4	344.1	337.7	325.2	292.5	263.7	253.0	275.2	311.9	345.5
115°	411.0	411.0	412.1	408.9	383.6	349.8	311.7	295.9	314.9	348.7	385.7
117.5°	483.7	485.0	480.8	472.3	443.0	403.7	361.0	335.6	350.6	386.3	424.4
120°	529.4	531.5	527.3	514.6	486.1	441.7	393.1	363.5	375.1	410.0	448.0
122.5°	576.7	576.3	571.2	556.9	523.3	477.2	429.4	393.1	397.9	430.3	467.5
125°	642.5	641.4	637.2	620.3	585.4	537.8	481.8	437.5	431.1	458.6	496.6
127.5°	705.0	702.7	696.1	675.6	639.9	594.1	532.6	482.3	468.1	485.4	520.3
130°	748.1	745.0	733.3	711.1	676.3	632.9	570.6	513.5	493.5	504.0	534.7
132.5°	789.5	780.5	770.5	746.6	714.3	669.3	606.1	546.5	518.8	523.5	547.4
135°	842.2	833.7	821.0	797.8	767.1	722.8	659.4	594.9	556.9	552.6	566.4
137.5°	888.5	879.6	865.2	845.1	814.3	774.8	713.9	645.8	597.9	583.7	589.0
140°	917.2	906.6	893.9	873.9	846.4	805.2	746.0	680.5	626.6	606.5	603.4
142.5°	940.9	932.8	919.3	900.9	876.8	835.6	778.1	713.5	656.2	630.2	622.8
145°	976.4	970.0	955.2	938.3	918.3	877.0	824.2	759.7	702.7	668.9	653.0
147.5°	1006.4	1001.3	989.7	969.8	952.9	913.4	865.2	808.1	749.6	707.8	687.3
150°	1025.0	1020.7	1009.1	990.1	973.2	936.2	889.7	836.9	780.9	736.5	710.1
152.5°	1042.7	1038.5	1025.2	1006.2	991.8	957.3	915.1	864.8	807.9	763.6	736.3
155°	1066.2	1060.9	1048.2	1030.3	1017.6	985.9	946.8	902.4	853.8	807.3	776.7
157.5°	1084.8	1078.2	1066.4	1051.0	1037.4	1008.3	974.3	936.0	893.5	849.1	817.9
160°	1095.8	1088.4	1075.7	1062.0	1049.3	1021.8	991.2	956.3	917.2	877.0	843.2
162.5°	1103.4	1096.8	1081.6	1069.6	1058.6	1033.6	1004.7	973.2	938.3	903.2	872.0
165°	1111.6	1104.2	1088.4	1078.9	1069.4	1048.2	1022.9	997.5	967.9	939.4	914.0
167.5°	1112.3	1106.1	1090.3	1081.0	1074.0	1055.8	1035.3	1015.9	992.9	970.5	949.3
170°	1110.6	1105.3	1089.4	1081.0	1075.7	1060.9	1042.9	1026.0	1008.1	989.0	972.1
172.5°	1104.6	1099.4	1084.4	1077.6	1074.9	1061.7	1047.2	1034.5	1019.1	1005.1	991.6
175°	1089.4	1085.2	1072.5	1068.3	1069.4	1060.9	1050.3	1042.9	1033.4	1025.0	1017.6
177.5°	1067.2	1064.7	1055.4	1055.4	1058.8	1053.7	1050.3	1047.0	1042.7	1040.2	1037.7
180°	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1



TEST NUMBER: P1427608

CATALOG NUMBER: SQ2W-BBN-K-075U-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°	4.9	6.3	7.8	8.7	9.5	9.1	9.5	8.7	7.8	6.3	4.9
90°	24.3	31.7	39.1	43.3	47.6	45.4	47.6	43.3	39.1	31.7	24.3
92.5°	48.8	61.3	70.4	78.0	81.4	80.9	81.4	78.0	70.4	61.3	48.8
95°	98.3	113.1	127.9	138.4	144.8	142.7	144.8	138.4	127.9	113.1	98.3
97.5°	151.5	171.4	187.9	197.8	204.1	208.4	204.1	197.8	187.9	171.4	151.5
100°	187.0	206.1	225.1	236.7	247.3	251.5	247.3	236.7	225.1	206.1	187.0
102.5°	215.8	240.7	261.4	273.9	282.8	287.0	282.8	273.9	261.4	240.7	215.8
105°	263.1	289.5	311.7	327.6	337.1	340.2	337.1	327.6	311.7	289.5	263.1
107.5°	310.5	337.7	358.2	375.8	387.4	394.1	387.4	375.8	358.2	337.7	310.5
110°	347.6	369.8	392.0	407.9	419.5	423.7	419.5	407.9	392.0	369.8	347.6



TEST NUMBER: P1427608

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

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	378.9	403.7	425.8	441.7	455.0	460.9	455.0	441.7	425.8	403.7	378.9
115°	422.7	455.4	475.5	490.3	499.8	505.1	499.8	490.3	475.5	455.4	422.7
117.5°	459.0	493.3	515.2	526.6	531.1	534.9	531.1	526.6	515.2	493.3	459.0
120°	481.8	513.5	538.9	553.7	559.0	561.1	559.0	553.7	538.9	513.5	481.8
122.5°	503.0	533.0	557.5	575.7	584.3	586.5	584.3	575.7	557.5	533.0	503.0
125°	532.6	561.1	586.5	604.4	613.9	619.2	613.9	604.4	586.5	561.1	532.6
127.5°	558.3	589.2	612.4	628.7	638.0	642.2	638.0	628.7	612.4	589.2	558.3
130°	572.7	604.4	627.7	645.6	654.1	658.3	654.1	645.6	627.7	604.4	572.7
132.5°	583.7	617.1	641.2	657.5	666.8	671.0	666.8	657.5	641.2	617.1	583.7
135°	597.0	631.9	657.3	673.1	681.6	685.8	681.6	673.1	657.3	631.9	597.0
137.5°	608.6	640.3	666.8	683.5	691.1	693.8	691.1	683.5	666.8	640.3	608.6
140°	617.1	644.6	671.0	686.8	695.3	696.3	695.3	686.8	671.0	644.6	617.1
142.5°	628.1	649.6	672.7	688.5	697.0	698.9	697.0	688.5	672.7	649.6	628.1
145°	647.7	660.4	676.3	691.1	698.5	700.6	698.5	691.1	676.3	660.4	647.7
147.5°	672.5	676.5	684.7	694.4	701.6	703.1	701.6	694.4	684.7	676.5	672.5
150°	691.1	690.0	693.2	699.5	705.9	704.8	705.9	699.5	693.2	690.0	691.1
152.5°	712.2	706.1	705.9	708.8	711.8	711.6	711.8	708.8	705.9	706.1	712.2
155°	748.1	736.5	730.2	728.0	728.0	727.0	728.0	728.0	730.2	736.5	748.1
157.5°	787.6	771.4	761.9	756.8	755.3	753.0	755.3	756.8	761.9	771.4	787.6
160°	814.7	796.7	787.2	778.8	775.6	772.4	775.6	778.8	787.2	796.7	814.7
162.5°	840.1	822.9	812.6	805.0	801.8	796.9	801.8	805.0	812.6	822.9	840.1
165°	881.3	863.3	851.7	845.3	841.1	836.9	841.1	845.3	851.7	863.3	881.3
167.5°	922.5	902.8	895.2	888.0	884.0	876.4	884.0	888.0	895.2	902.8	922.5
170°	947.8	929.9	925.6	919.3	911.9	903.5	911.9	919.3	925.6	929.9	947.8
172.5°	969.8	957.8	953.5	947.2	944.9	938.1	944.9	947.2	953.5	957.8	969.8
175°	1001.7	992.2	992.2	991.2	988.0	981.7	988.0	991.2	992.2	992.2	1001.7
177.5°	1028.4	1023.3	1026.7	1026.7	1025.8	1019.9	1025.8	1026.7	1026.7	1023.3	1028.4
180°	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1



TEST NUMBER: P1427608

CATALOG NUMBER: SQ2W-BBN-K-075U-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°	3.8	2.3	1.5	0.6
90°	19.0	11.6	7.4	3.2
92.5°	41.0	28.5	20.1	11.6
95°	82.4	65.5	46.5	32.8
97.5°	131.2	104.0	85.2	62.6
100°	157.4	131.0	113.1	88.8
102.5°	186.2	164.0	139.3	115.0
105°	237.8	210.3	181.7	154.3
107.5°	285.5	255.3	221.1	196.3
110°	315.9	283.2	247.3	225.1

TEST NUMBER: P1427608

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

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
112.5°	345.5	311.9	275.2	253.0
115°	385.7	348.7	314.9	295.9
117.5°	424.4	386.3	350.6	335.6
120°	448.0	410.0	375.1	363.5
122.5°	467.5	430.3	397.9	393.1
125°	496.6	458.6	431.1	437.5
127.5°	520.3	485.4	468.1	482.3
130°	534.7	504.0	493.5	513.5
132.5°	547.4	523.5	518.8	546.5
135°	566.4	552.6	556.9	594.9
137.5°	589.0	583.7	597.9	645.8
140°	603.4	606.5	626.6	680.5
142.5°	622.8	630.2	656.2	713.5
145°	653.0	668.9	702.7	759.7
147.5°	687.3	707.8	749.6	808.1
150°	710.1	736.5	780.9	836.9
152.5°	736.3	763.6	807.9	864.8
155°	776.7	807.3	853.8	902.4
157.5°	817.9	849.1	893.5	936.0
160°	843.2	877.0	917.2	956.3
162.5°	872.0	903.2	938.3	973.2
165°	914.0	939.4	967.9	997.5
167.5°	949.3	970.5	992.9	1015.9
170°	972.1	989.0	1008.1	1026.0
172.5°	991.6	1005.1	1019.1	1034.5
175°	1017.6	1025.0	1033.4	1042.9
177.5°	1037.7	1040.2	1042.7	1047.0
180°	1046.1	1046.1	1046.1	1046.1



TEST NUMBER: P1427608  
 CATALOG NUMBER: SQ2W-BBN-K-075U-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