

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: P1427611

Luminaire Tested: SQ2W-BBN-K-075U-100D-L940-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1427611
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-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 750 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

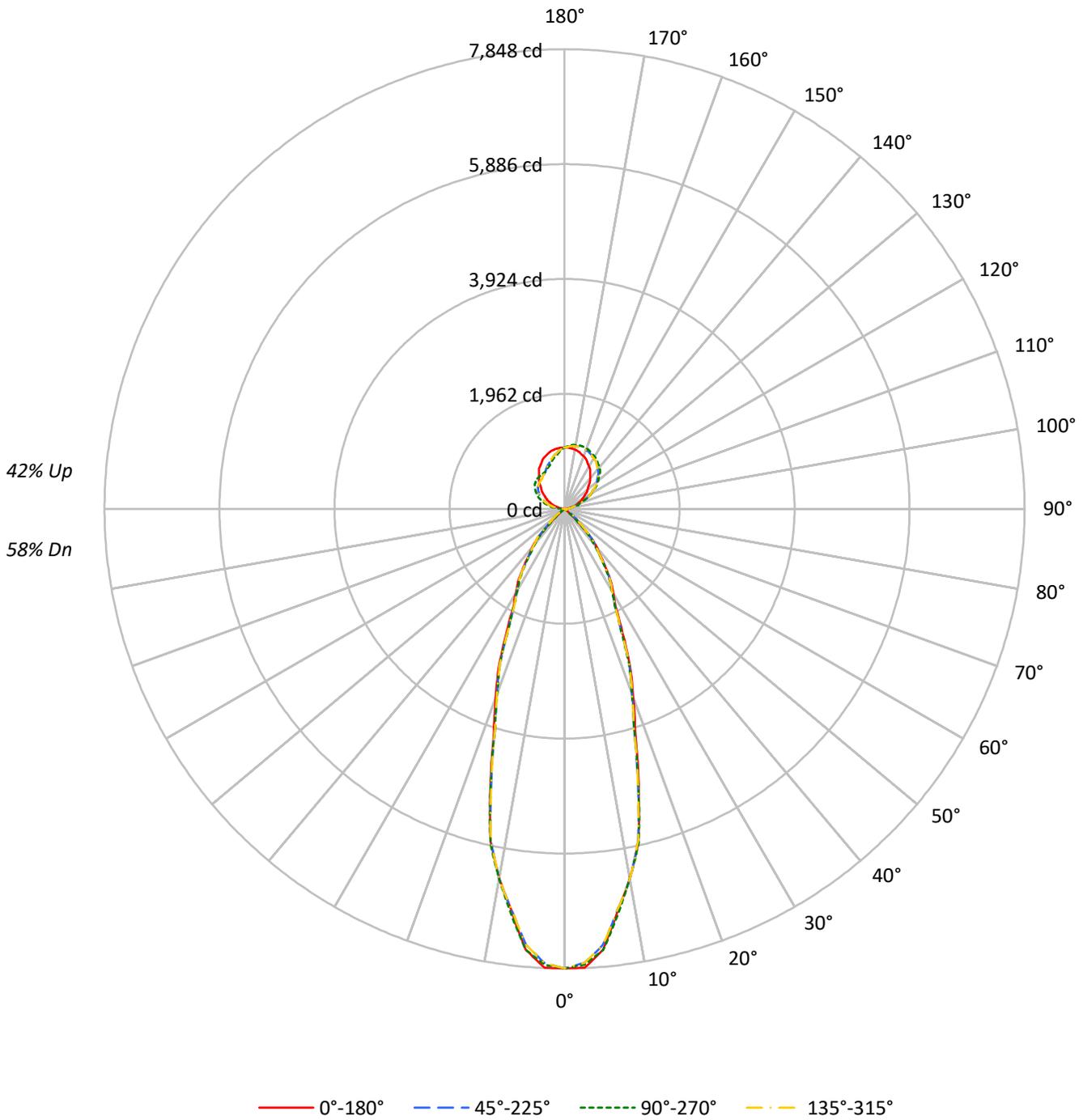
Lumens per Lamp: N/A
Luminaire Lumens: 7301.2 lumens
Efficiency: N/A
Efficacy: 118.3 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.62
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 61.7
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: P1427611

CATALOG NUMBER: SQ2W-BBN-K-075U-100D-L940-UNV-STD-W-WM-4

Luminous Intensity Polar Plot





TEST NUMBER: P1427611

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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	109	109	109	109	102	102	102	102	88	88	88	75	75	75	64	64	64	58				
1	102	99	96	94	96	93	90	88	81	80	78	71	69	68	61	60	59	55				
2	96	90	86	82	90	85	81	78	75	72	70	66	64	62	57	56	55	51				
3	90	83	77	73	84	78	74	70	70	66	63	62	59	57	54	53	51	48				
4	85	76	70	66	79	72	67	63	65	61	58	58	55	53	52	50	48	45				
5	80	71	64	60	75	67	62	57	61	56	53	54	51	49	49	47	45	42				
6	75	65	59	54	71	62	57	53	57	52	49	51	48	46	46	44	42	40				
7	71	61	55	50	67	58	53	49	53	49	46	48	45	43	44	41	40	37				
8	67	57	51	46	63	55	49	45	50	46	42	46	42	40	42	39	37	35				
9	63	53	47	43	60	51	46	42	47	43	40	43	40	38	40	37	35	34				
10	60	50	44	40	57	48	43	39	45	40	37	41	38	35	38	35	33	32				

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	9.3
10°-20°	1338.0	18.3
20°-30°	1079.3	14.8
30°-40°	749.8	10.3
40°-50°	346.4	4.7
50°-60°	48.5	0.7
60°-70°	1.7	0.0
70°-80°	0.0	0.0
80°-90°	5.5	0.1
90°-100°	83.3	1.1
100°-110°	242.8	3.3
110°-120°	396.2	5.4
120°-130°	502.8	6.9
130°-140°	538.0	7.4
140°-150°	502.4	6.9
150°-160°	413.4	5.7
160°-170°	277.2	3.8
170°-180°	98.4	1.3
0°-30°	3096.1	42.4
0°-40°	3845.9	52.7
0°-60°	4240.7	58.1
0°-90°	4247.9	58.2
90°-120°	722.3	9.9
90°-150°	2265.4	31.0
90°-180°	3054.0	41.8
0°-180°	7301.2	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°	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	



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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°	0.6	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°	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°	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: P1427611

CATALOG NUMBER: SQ2W-BBN-K-075U-100D-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: P1427611

CATALOG NUMBER: SQ2W-BBN-K-075U-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°	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: P1427611

CATALOG NUMBER: SQ2W-BBN-K-075U-100D-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: P1427611

CATALOG NUMBER: SQ2W-BBN-K-075U-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°	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: P1427611

CATALOG NUMBER: SQ2W-BBN-K-075U-100D-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: P1427611
 CATALOG NUMBER: SQ2W-BBN-K-075U-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