

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1428622

Luminaire Tested: SQ2W-WBN-K-075U-125D-L940-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428622
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G3-2308-130-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-WBN-K-075U-125D-L940-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - WHITE DISCREET BAFFLE, NARROW 35-DEGREE OPTIC
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1250 LUMENS PER FOOT
UPLIGHT 750 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

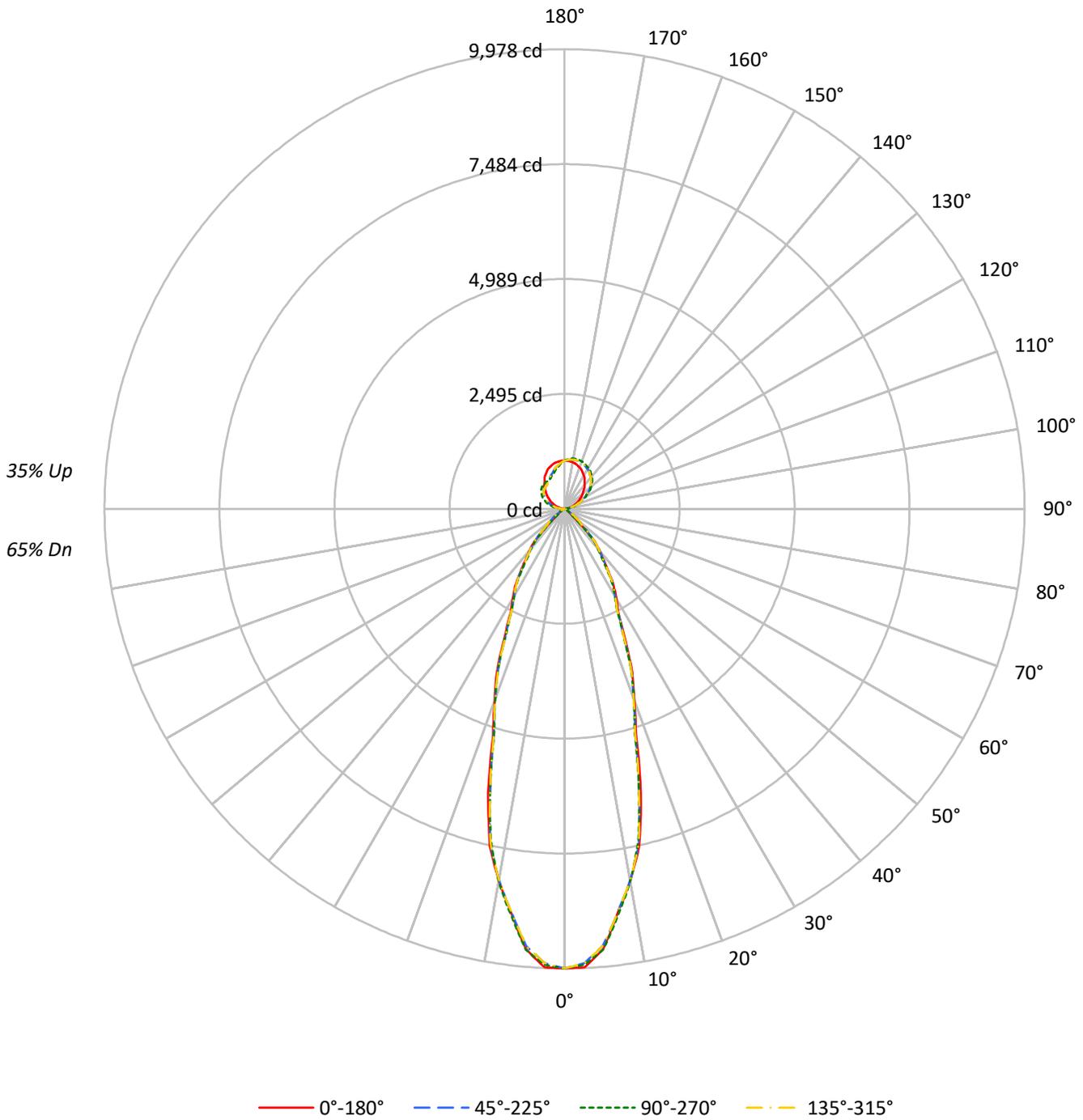
Lumens per Lamp: N/A
Luminaire Lumens: 8852.7 lumens
Efficiency: N/A
Efficacy: 120.6 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.63
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 73.4
Input Voltage (V): 120
Input Current (A_{in}): 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

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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	104	104	104	104	92	92	92	81	81	81	70	70	70	65
1	104	101	98	95	98	95	93	91	85	83	82	75	74	73	67	66	65	61
2	98	92	88	84	92	87	83	80	79	76	73	70	68	67	63	62	60	57
3	92	85	79	74	87	80	76	72	73	69	66	66	63	61	59	57	56	53
4	86	78	72	67	82	74	69	65	68	64	60	62	59	56	56	54	52	49
5	81	72	66	61	77	69	63	59	63	59	55	58	55	52	53	50	48	46
6	76	67	60	56	73	64	58	54	59	55	51	55	51	48	50	47	45	43
7	72	62	56	51	69	60	54	50	56	51	48	51	48	45	48	45	43	41
8	68	58	52	48	65	56	51	47	52	48	44	49	45	42	45	42	40	38
9	65	55	49	44	62	53	47	44	49	45	42	46	42	40	43	40	38	36
10	62	52	46	42	59	50	44	41	47	42	39	44	40	37	41	38	36	34

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	161097	161097	161097	161097
5°	155544	155716	155544	155716
10°	134446	134765	134446	134765
15°	106985	104026	106985	104026
20°	76002	75545	76002	75545
25°	54678	53227	54678	53227
30°	41778	40557	41778	40557
35°	32794	31398	32794	31398
40°	24847	23317	24847	23317
45°	13903	12408	13903	12408
50°	4890	4313	4890	4313
55°	2989	2840	2989	2840
60°	2286	2115	2286	2115
65°	2097	1960	2097	1960
70°	2006	1836	2006	1836
75°	1878	1765	1878	1765
80°	1646	1646	1646	1646
85°	1649	1315	1649	1315

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 16486 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	866.1	9.8
10°-20°	1721.4	19.4
20°-30°	1425.6	16.1
30°-40°	1025.5	11.6
40°-50°	522.4	5.9
50°-60°	135.8	1.5
60°-70°	56.4	0.6
70°-80°	31.3	0.4
80°-90°	13.6	0.2
90°-100°	83.3	0.9
100°-110°	242.8	2.7
110°-120°	396.2	4.5
120°-130°	502.8	5.7
130°-140°	538.0	6.1
140°-150°	502.4	5.7
150°-160°	413.4	4.7
160°-170°	277.2	3.1
170°-180°	98.4	1.1
0°-30°	4013.1	45.3
0°-40°	5038.6	56.9
0°-60°	5696.9	64.4
0°-90°	5798.2	65.5
90°-120°	722.3	8.2
90°-150°	2265.4	25.6
90°-180°	3054.0	34.5
0°-180°	8852.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	9978	9978	9978	9978	9978	
5°	9597	9608	9597	9608	9597	866
15°	6400	6224	6400	6224	6400	1737
25°	3069	2988	3069	2988	3069	1444
35°	1664	1593	1664	1593	1664	1044
45°	609	543	609	543	609	487
55°	106	101	106	101	106	104
65°	55	51	55	51	55	55
75°	30	28	30	28	30	32
85°	9	7	9	7	9	9
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°	9977.8	9977.8	9977.8	9977.8	9977.8	9977.8	9977.8	9977.8	9977.8	9977.8	9977.8
2.5°	9962.2	9954.6	9947.1	9913.6	9871.4	9868.0	9903.2	9927.4	9918.6	9909.8	9918.6
5°	9597.2	9590.9	9584.6	9555.9	9519.7	9532.3	9593.7	9636.2	9622.0	9607.8	9622.0
7.5°	8843.5	8848.9	8854.2	8839.5	8818.1	8834.6	8888.8	8925.8	8910.7	8895.6	8910.7
10°	8200.6	8214.8	8229.0	8208.9	8177.4	8201.4	8280.9	8327.1	8273.6	8220.1	8273.6
12.5°	7491.2	7482.1	7473.0	7454.6	7433.2	7428.9	7441.6	7443.8	7414.2	7384.7	7414.2
15°	6400.5	6367.5	6334.4	6283.7	6227.0	6208.6	6228.2	6240.8	6232.2	6223.5	6232.2
17.5°	5155.5	5168.2	5180.9	5146.6	5096.6	5070.6	5068.7	5064.9	5055.1	5045.4	5055.1
20°	4423.4	4427.3	4431.2	4409.8	4379.9	4372.8	4388.5	4400.0	4398.4	4396.8	4398.4
22.5°	3834.3	3835.1	3835.9	3807.5	3769.4	3762.0	3785.3	3799.2	3785.1	3770.9	3785.1
25°	3069.3	3066.9	3064.5	3045.7	3021.3	3003.2	2991.4	2983.1	2985.5	2987.8	2985.5
27.5°	2517.0	2507.3	2497.5	2481.4	2463.1	2457.9	2465.8	2470.2	2464.4	2458.6	2464.4
30°	2240.9	2233.0	2225.2	2209.0	2190.1	2183.1	2187.8	2189.6	2182.5	2175.4	2182.5
32.5°	1993.1	1993.4	1993.7	1979.2	1959.6	1948.8	1946.6	1943.6	1938.4	1933.2	1938.4
35°	1663.8	1668.6	1673.3	1661.5	1644.2	1629.6	1617.8	1607.2	1600.1	1593.0	1600.1
37.5°	1370.0	1374.4	1378.8	1369.0	1354.3	1338.4	1321.0	1306.6	1300.6	1294.6	1300.6
40°	1178.9	1182.0	1185.1	1178.3	1168.0	1152.7	1132.2	1115.7	1111.0	1106.3	1111.0
42.5°	970.7	983.9	997.1	992.8	982.5	967.8	948.6	931.6	921.3	910.9	921.3
45°	608.9	650.6	692.3	711.0	722.0	716.9	695.6	664.6	604.0	543.4	604.0
47.5°	308.0	365.7	423.5	464.9	501.0	489.5	430.5	371.4	311.9	252.4	311.9
50°	194.7	234.8	274.9	325.7	380.0	368.2	290.3	225.2	198.4	171.7	198.4
52.5°	149.4	170.0	190.6	238.8	296.3	290.8	222.3	167.3	152.5	137.7	152.5
55°	106.2	114.1	121.9	148.7	181.7	179.8	142.8	113.5	107.2	100.9	107.2
57.5°	82.1	86.5	90.9	100.9	112.7	111.6	97.6	86.1	82.2	78.2	82.2
60°	70.8	73.9	77.1	82.0	87.5	86.7	79.7	73.4	69.4	65.5	69.4
62.5°	63.7	65.6	67.5	69.7	72.1	71.0	66.4	62.7	61.2	59.8	61.2
65°	54.9	55.7	56.4	56.6	56.6	55.9	54.3	52.9	52.1	51.3	52.1
67.5°	46.7	47.5	48.3	48.4	48.2	47.8	47.0	46.2	45.4	44.6	45.4
70°	42.5	43.3	44.1	43.7	42.9	42.1	41.3	40.5	39.7	38.9	39.7
72.5°	36.8	37.6	38.4	38.0	37.2	36.7	36.6	36.3	35.5	34.7	35.5
75°	30.1	30.1	30.1	30.1	30.1	29.7	28.9	28.3	28.3	28.3	28.3
77.5°	23.4	23.5	23.7	23.1	22.3	21.9	21.9	21.8	21.2	20.5	21.2
80°	17.7	18.5	19.3	18.9	18.1	17.7	17.7	17.7	17.7	17.7	17.7
82.5°	14.9	15.0	15.2	14.6	13.8	13.5	13.5	13.5	13.5	13.5	13.5
85°	8.9	8.9	8.9	8.3	7.5	7.5	8.3	8.7	7.9	7.1	7.9
87.5°	3.5	4.3	5.4	6.2	6.8	7.1	7.1	7.3	7.5	7.5	7.5
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°	9977.8	9977.8	9977.8	9977.8	9977.8	9977.8	9977.8	9977.8	9977.8	9977.8	9977.8
2.5°	9927.4	9903.2	9868.0	9871.4	9913.6	9947.1	9954.6	9962.2	9954.6	9947.1	9913.6
5°	9636.2	9593.7	9532.3	9519.7	9555.9	9584.6	9590.9	9597.2	9590.9	9584.6	9555.9
7.5°	8925.8	8888.8	8834.6	8818.1	8839.5	8854.2	8848.9	8843.5	8848.9	8854.2	8839.5
10°	8327.1	8280.9	8201.4	8177.4	8208.9	8229.0	8214.8	8200.6	8214.8	8229.0	8208.9
12.5°	7443.8	7441.6	7428.9	7433.2	7454.6	7473.0	7482.1	7491.2	7482.1	7473.0	7454.6
15°	6240.8	6228.2	6208.6	6227.0	6283.7	6334.4	6367.5	6400.5	6367.5	6334.4	6283.7
17.5°	5064.9	5068.7	5070.6	5096.6	5146.6	5180.9	5168.2	5155.5	5168.2	5180.9	5146.6
20°	4400.0	4388.5	4372.8	4379.9	4409.8	4431.2	4427.3	4423.4	4427.3	4431.2	4409.8
22.5°	3799.2	3785.3	3762.0	3769.4	3807.5	3835.9	3835.1	3834.3	3835.1	3835.9	3807.5
25°	2983.1	2991.4	3003.2	3021.3	3045.7	3064.5	3066.9	3069.3	3066.9	3064.5	3045.7
27.5°	2470.2	2465.8	2457.9	2463.1	2481.4	2497.5	2507.3	2517.0	2507.3	2497.5	2481.4
30°	2189.6	2187.8	2183.1	2190.1	2209.0	2225.2	2233.0	2240.9	2233.0	2225.2	2209.0
32.5°	1943.6	1946.6	1948.8	1959.6	1979.2	1993.7	1993.4	1993.1	1993.4	1993.7	1979.2
35°	1607.2	1617.8	1629.6	1644.2	1661.5	1673.3	1668.6	1663.8	1668.6	1673.3	1661.5
37.5°	1306.6	1321.0	1338.4	1354.3	1369.0	1378.8	1374.4	1370.0	1374.4	1378.8	1369.0
40°	1115.7	1132.2	1152.7	1168.0	1178.3	1185.1	1182.0	1178.9	1182.0	1185.1	1178.3
42.5°	931.6	948.6	967.8	982.5	992.8	997.1	983.9	970.7	983.9	997.1	992.8
45°	664.6	695.6	716.9	722.0	711.0	692.3	650.6	608.9	650.6	692.3	711.0
47.5°	371.4	430.5	489.5	501.0	464.9	423.5	365.7	308.0	365.7	423.5	464.9
50°	225.2	290.3	368.2	380.0	325.7	274.9	234.8	194.7	234.8	274.9	325.7
52.5°	167.3	222.3	290.8	296.3	238.8	190.6	170.0	149.4	170.0	190.6	238.8
55°	113.5	142.8	179.8	181.7	148.7	121.9	114.1	106.2	114.1	121.9	148.7
57.5°	86.1	97.6	111.6	112.7	100.9	90.9	86.5	82.1	86.5	90.9	100.9
60°	73.4	79.7	86.7	87.5	82.0	77.1	73.9	70.8	73.9	77.1	82.0
62.5°	62.7	66.4	71.0	72.1	69.7	67.5	65.6	63.7	65.6	67.5	69.7
65°	52.9	54.3	55.9	56.6	56.6	56.4	55.7	54.9	55.7	56.4	56.6
67.5°	46.2	47.0	47.8	48.2	48.4	48.3	47.5	46.7	47.5	48.3	48.4
70°	40.5	41.3	42.1	42.9	43.7	44.1	43.3	42.5	43.3	44.1	43.7
72.5°	36.3	36.6	36.7	37.2	38.0	38.4	37.6	36.8	37.6	38.4	38.0
75°	28.3	28.9	29.7	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1
77.5°	21.8	21.9	21.9	22.3	23.1	23.7	23.5	23.4	23.5	23.7	23.1
80°	17.7	17.7	17.7	18.1	18.9	19.3	18.5	17.7	18.5	19.3	18.9
82.5°	13.5	13.5	13.5	13.8	14.6	15.2	15.0	14.9	15.0	15.2	14.6
85°	8.7	8.3	7.5	7.5	8.3	8.9	8.9	8.9	8.9	8.9	8.3
87.5°	7.3	7.1	7.1	6.8	6.2	5.4	4.3	3.5	4.3	5.2	6.6
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: P1428622

CATALOG NUMBER: SQ2W-WBN-K-075U-125D-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: P1428622

CATALOG NUMBER: SQ2W-WBN-K-075U-125D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	9977.8	9977.8	9977.8	9977.8	9977.8	9977.8	9977.8	9977.8	9977.8	9977.8	9977.8
2.5°	9871.4	9868.0	9903.2	9927.4	9918.6	9909.8	9918.6	9927.4	9903.2	9868.0	9871.4
5°	9519.7	9532.3	9593.7	9636.2	9622.0	9607.8	9622.0	9636.2	9593.7	9532.3	9519.7
7.5°	8818.1	8834.6	8888.8	8925.8	8910.7	8895.6	8910.7	8925.8	8888.8	8834.6	8818.1
10°	8177.4	8201.4	8280.9	8327.1	8273.6	8220.1	8273.6	8327.1	8280.9	8201.4	8177.4
12.5°	7433.2	7428.9	7441.6	7443.8	7414.2	7384.7	7414.2	7443.8	7441.6	7428.9	7433.2
15°	6227.0	6208.6	6228.2	6240.8	6232.2	6223.5	6232.2	6240.8	6228.2	6208.6	6227.0
17.5°	5096.6	5070.6	5068.7	5064.9	5055.1	5045.4	5055.1	5064.9	5068.7	5070.6	5096.6
20°	4379.9	4372.8	4388.5	4400.0	4398.4	4396.8	4398.4	4400.0	4388.5	4372.8	4379.9
22.5°	3769.4	3762.0	3785.3	3799.2	3785.1	3770.9	3785.1	3799.2	3785.3	3762.0	3769.4
25°	3021.3	3003.2	2991.4	2983.1	2985.5	2987.8	2985.5	2983.1	2991.4	3003.2	3021.3
27.5°	2463.1	2457.9	2465.8	2470.2	2464.4	2458.6	2464.4	2470.2	2465.8	2457.9	2463.1
30°	2190.1	2183.1	2187.8	2189.6	2182.5	2175.4	2182.5	2189.6	2187.8	2183.1	2190.1
32.5°	1959.6	1948.8	1946.6	1943.6	1938.4	1933.2	1938.4	1943.6	1946.6	1948.8	1959.6
35°	1644.2	1629.6	1617.8	1607.2	1600.1	1593.0	1600.1	1607.2	1617.8	1629.6	1644.2
37.5°	1354.3	1338.4	1321.0	1306.6	1300.6	1294.6	1300.6	1306.6	1321.0	1338.4	1354.3
40°	1168.0	1152.7	1132.2	1115.7	1111.0	1106.3	1111.0	1115.7	1132.2	1152.7	1168.0
42.5°	982.5	967.8	948.6	931.6	921.3	910.9	921.3	931.6	948.6	967.8	982.5
45°	722.0	716.9	695.6	664.6	604.0	543.4	604.0	664.6	695.6	716.9	722.0
47.5°	501.0	489.5	430.5	371.4	311.9	252.4	311.9	371.4	430.5	489.5	501.0
50°	380.0	368.2	290.3	225.2	198.4	171.7	198.4	225.2	290.3	368.2	380.0
52.5°	296.3	290.8	222.3	167.3	152.5	137.7	152.5	167.3	222.3	290.8	296.3
55°	181.7	179.8	142.8	113.5	107.2	100.9	107.2	113.5	142.8	179.8	181.7
57.5°	112.7	111.6	97.6	86.1	82.2	78.2	82.2	86.1	97.6	111.6	112.7
60°	87.5	86.7	79.7	73.4	69.4	65.5	69.4	73.4	79.7	86.7	87.5
62.5°	72.1	71.0	66.4	62.7	61.2	59.8	61.2	62.7	66.4	71.0	72.1
65°	56.6	55.9	54.3	52.9	52.1	51.3	52.1	52.9	54.3	55.9	56.6
67.5°	48.2	47.8	47.0	46.2	45.4	44.6	45.4	46.2	47.0	47.8	48.2
70°	42.9	42.1	41.3	40.5	39.7	38.9	39.7	40.5	41.3	42.1	42.9
72.5°	37.2	36.7	36.6	36.3	35.5	34.7	35.5	36.3	36.6	36.7	37.2
75°	30.1	29.7	28.9	28.3	28.3	28.3	28.3	28.3	28.9	29.7	30.1
77.5°	22.3	21.9	21.9	21.8	21.2	20.5	21.2	21.8	21.9	21.9	22.3
80°	18.1	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	18.1
82.5°	13.8	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.8
85°	7.5	7.5	8.3	8.7	7.9	7.1	7.9	8.7	8.3	7.5	7.5
87.5°	7.7	9.2	10.7	11.5	12.3	11.9	12.3	11.5	10.7	9.2	7.7
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: P1428622

CATALOG NUMBER: SQ2W-WBN-K-075U-125D-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: P1428622

CATALOG NUMBER: SQ2W-WBN-K-075U-125D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	9977.8	9977.8	9977.8	9977.8
2.5°	9913.6	9947.1	9954.6	9962.2
5°	9555.9	9584.6	9590.9	9597.2
7.5°	8839.5	8854.2	8848.9	8843.5
10°	8208.9	8229.0	8214.8	8200.6
12.5°	7454.6	7473.0	7482.1	7491.2
15°	6283.7	6334.4	6367.5	6400.5
17.5°	5146.6	5180.9	5168.2	5155.5
20°	4409.8	4431.2	4427.3	4423.4
22.5°	3807.5	3835.9	3835.1	3834.3
25°	3045.7	3064.5	3066.9	3069.3
27.5°	2481.4	2497.5	2507.3	2517.0
30°	2209.0	2225.2	2233.0	2240.9
32.5°	1979.2	1993.7	1993.4	1993.1
35°	1661.5	1673.3	1668.6	1663.8
37.5°	1369.0	1378.8	1374.4	1370.0
40°	1178.3	1185.1	1182.0	1178.9
42.5°	992.8	997.1	983.9	970.7
45°	711.0	692.3	650.6	608.9
47.5°	464.9	423.5	365.7	308.0
50°	325.7	274.9	234.8	194.7
52.5°	238.8	190.6	170.0	149.4
55°	148.7	121.9	114.1	106.2
57.5°	100.9	90.9	86.5	82.1
60°	82.0	77.1	73.9	70.8
62.5°	69.7	67.5	65.6	63.7
65°	56.6	56.4	55.7	54.9
67.5°	48.4	48.3	47.5	46.7
70°	43.7	44.1	43.3	42.5
72.5°	38.0	38.4	37.6	36.8
75°	30.1	30.1	30.1	30.1
77.5°	23.1	23.7	23.5	23.4
80°	18.9	19.3	18.5	17.7
82.5°	14.6	15.2	15.0	14.9
85°	8.3	8.9	8.9	8.9
87.5°	6.6	5.2	4.3	3.5
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: P1428622

CATALOG NUMBER: SQ2W-WBN-K-075U-125D-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: P1428622
 CATALOG NUMBER: SQ2W-WBN-K-075U-125D-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	5.24	6.00	6.10	6.84	7.89	4.87	5.63	5.73	6.47	7.52
	3H	6.47	7.14	7.34	8.00	9.07	6.08	6.75	6.95	7.60	8.68
	4H	6.99	7.62	7.87	8.48	9.57	6.59	7.22	7.48	8.08	9.17
	6H	7.34	7.92	8.24	8.79	9.89	6.93	7.50	7.82	8.37	9.47
	8H	7.49	8.03	8.39	8.92	10.02	7.07	7.61	7.97	8.50	9.59
	12H	7.58	8.10	8.49	8.98	10.10	7.14	7.66	8.04	8.53	9.65
4H	2H	5.56	6.20	6.45	7.06	8.14	5.26	5.89	6.15	6.75	7.84
	3H	7.06	7.58	7.96	8.48	9.58	6.72	7.24	7.62	8.14	9.23
	4H	7.71	8.18	8.61	9.07	10.20	7.36	7.83	8.26	8.72	9.84
	6H	8.20	8.60	9.12	9.51	10.65	7.81	8.22	8.73	9.13	10.26
	8H	8.41	8.78	9.33	9.69	10.83	8.01	8.38	8.93	9.29	10.43
	12H	8.55	8.88	9.48	9.81	10.95	8.12	8.45	9.05	9.38	10.52
8H	4H	7.87	8.24	8.79	9.15	10.29	7.55	7.93	8.47	8.83	9.98
	6H	8.50	8.81	9.45	9.76	10.90	8.15	8.45	9.09	9.40	10.54
	8H	8.82	9.09	9.77	10.03	11.19	8.44	8.70	9.39	9.65	10.81
	12H	9.05	9.28	10.00	10.22	11.43	8.64	8.87	9.59	9.81	11.02
12H	4H	7.85	8.18	8.78	9.11	10.25	7.54	7.88	8.48	8.80	9.95
	6H	8.54	8.80	9.49	9.75	10.91	8.20	8.46	9.15	9.41	10.56
	8H	8.89	9.12	9.84	10.05	11.27	8.52	8.75	9.47	9.69	10.90