

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: P1428613

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

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428613
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-050D-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 500 LUMENS PER FOOT
UPLIGHT 750 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

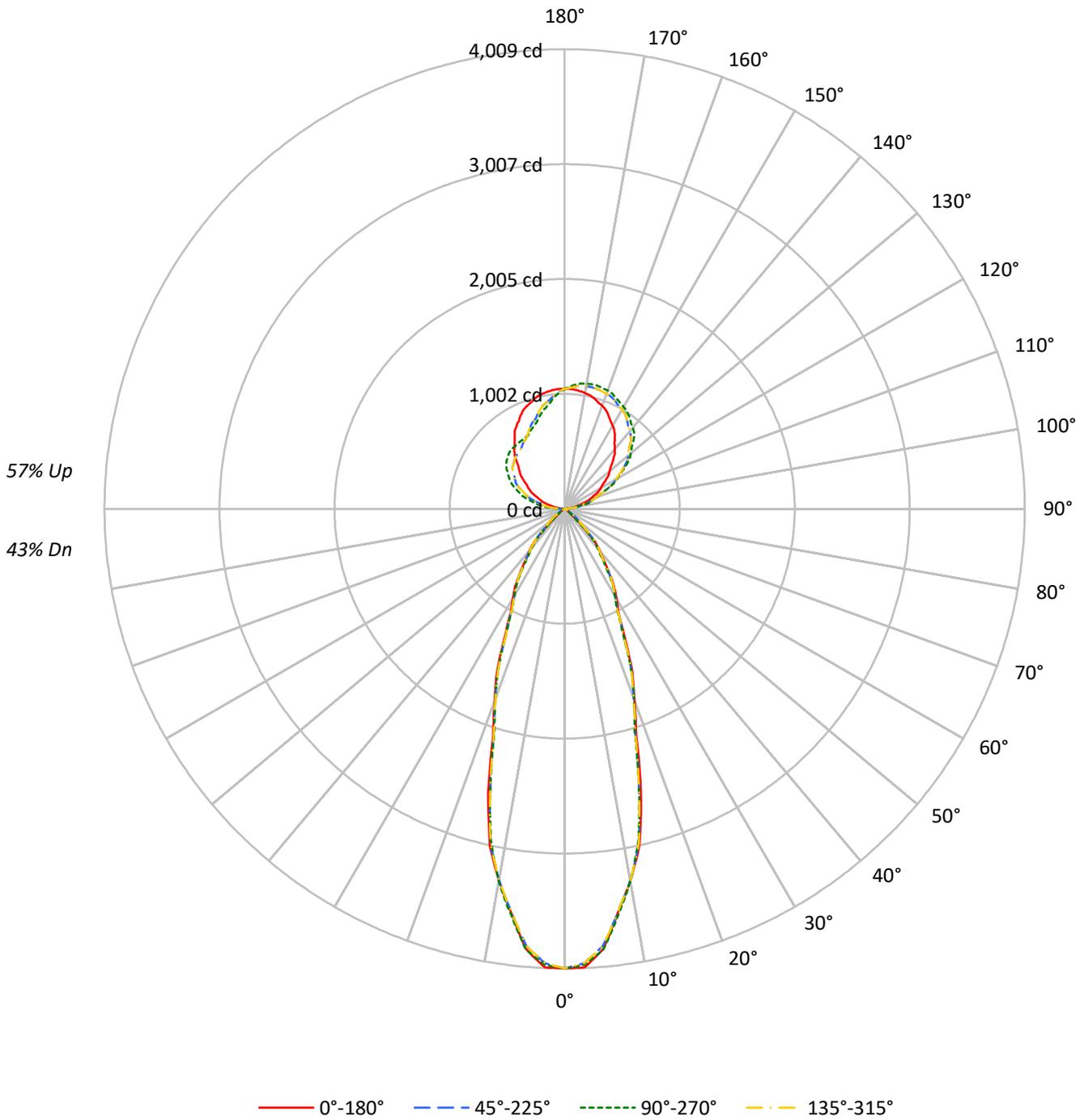
Lumens per Lamp: N/A
Luminaire Lumens: 5386.7 lumens
Efficiency: N/A
Efficacy: 129.2 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.63
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 41.7
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

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Luminous Intensity Polar Plot



TEST NUMBER: P1428613

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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	106	106	106	106	96	96	96	96	80	80	80	64	64	64	50	50	50	43				
1	98	95	92	89	90	87	84	82	73	71	69	59	58	57	47	46	46	40				
2	91	85	80	76	84	79	75	71	66	63	61	55	53	51	44	43	42	37				
3	85	77	71	67	78	72	66	62	61	57	54	51	48	46	42	40	39	35				
4	79	70	64	59	73	65	60	55	56	52	49	47	45	42	39	37	36	32				
5	74	64	58	53	68	60	54	50	52	47	44	44	41	39	37	35	33	30				
6	69	59	52	47	64	55	49	45	48	44	40	41	38	36	35	33	31	28				
7	65	54	48	43	60	51	45	41	45	40	37	39	35	33	33	31	29	27				
8	61	51	44	39	56	47	42	38	42	37	34	36	33	31	31	29	27	25				
9	57	47	41	36	53	44	39	35	39	35	32	34	31	29	30	27	26	24				
10	54	44	38	34	50	41	36	32	37	33	30	32	29	27	28	26	24	23				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	64726	64726	64726	64726
5°	62495	62565	62495	62565
10°	54019	54147	54019	54147
15°	42985	41796	42985	41796
20°	30535	30353	30535	30353
25°	21969	21386	21969	21386
30°	16785	16294	16785	16294
35°	13176	12616	13176	12616
40°	9982	9369	9982	9369
45°	5585	4984	5585	4984
50°	1964	1733	1964	1733
55°	1202	1140	1202	1140
60°	917	849	917	849
65°	840	787	840	787
70°	807	736	807	736
75°	755	711	755	711
80°	660	660	660	660
85°	667	519	667	519

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 6624 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	348.0	6.5
10°-20°	691.6	12.8
20°-30°	572.8	10.6
30°-40°	412.0	7.6
40°-50°	209.9	3.9
50°-60°	54.6	1.0
60°-70°	22.7	0.4
70°-80°	12.6	0.2
80°-90°	8.1	0.1
90°-100°	83.3	1.5
100°-110°	242.8	4.5
110°-120°	396.2	7.4
120°-130°	502.8	9.3
130°-140°	538.0	10.0
140°-150°	502.4	9.3
150°-160°	413.4	7.7
160°-170°	277.2	5.1
170°-180°	98.4	1.8
0°-30°	1612.4	29.9
0°-40°	2024.4	37.6
0°-60°	2288.9	42.5
0°-90°	2332.2	43.3
90°-120°	722.3	13.4
90°-150°	2265.4	42.1
90°-180°	3054.0	56.7
0°-180°	5386.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4009	4009	4009	4009	4009	
5°	3856	3860	3856	3860	3856	348
15°	2572	2500	2572	2500	2572	698
25°	1233	1200	1233	1200	1233	580
35°	668	640	668	640	668	419
45°	245	218	245	218	245	195
55°	43	40	43	40	43	42
65°	22	21	22	21	22	22
75°	12	11	12	11	12	13
85°	4	3	4	3	4	4
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°	4008.9	4008.9	4008.9	4008.9	4008.9	4008.9	4008.9	4008.9	4008.9	4008.9	4008.9
2.5°	4002.6	3999.6	3996.6	3983.1	3966.2	3964.8	3978.9	3988.7	3985.1	3981.6	3985.1
5°	3856.0	3853.5	3850.9	3839.4	3824.9	3829.9	3854.6	3871.6	3865.9	3860.3	3865.9
7.5°	3553.2	3555.3	3557.5	3551.6	3543.0	3549.6	3571.4	3586.2	3580.1	3574.1	3580.1
10°	3294.9	3300.6	3306.2	3298.2	3285.5	3295.2	3327.1	3345.7	3324.2	3302.7	3324.2
12.5°	3009.8	3006.2	3002.5	2995.1	2986.5	2984.8	2989.9	2990.8	2978.9	2967.0	2978.9
15°	2571.6	2558.3	2545.1	2524.7	2501.9	2494.5	2502.4	2507.4	2504.0	2500.5	2504.0
17.5°	2071.4	2076.5	2081.6	2067.8	2047.7	2037.3	2036.5	2035.0	2031.1	2027.1	2031.1
20°	1777.2	1778.8	1780.4	1771.8	1759.8	1756.9	1763.2	1767.8	1767.2	1766.6	1767.2
22.5°	1540.5	1540.9	1541.2	1529.8	1514.5	1511.5	1520.9	1526.5	1520.8	1515.1	1520.8
25°	1233.2	1232.2	1231.3	1223.7	1213.9	1206.6	1201.9	1198.6	1199.5	1200.5	1199.5
27.5°	1011.3	1007.4	1003.5	997.0	989.6	987.6	990.7	992.5	990.2	987.8	990.2
30°	900.3	897.2	894.0	887.5	880.0	877.1	879.0	879.7	876.9	874.0	876.9
32.5°	800.8	800.9	801.0	795.2	787.3	783.0	782.1	780.9	778.8	776.7	778.8
35°	668.5	670.4	672.3	667.6	660.6	654.8	650.0	645.7	642.9	640.1	642.9
37.5°	550.4	552.2	554.0	550.0	544.1	537.7	530.8	525.0	522.6	520.2	522.6
40°	473.6	474.9	476.2	473.4	469.3	463.1	454.9	448.3	446.4	444.5	446.4
42.5°	390.0	395.3	400.6	398.9	394.8	388.9	381.1	374.3	370.1	366.0	370.1
45°	244.6	261.4	278.1	285.7	290.1	288.0	279.5	267.0	242.7	218.3	242.7
47.5°	123.7	146.9	170.1	186.8	201.3	196.7	173.0	149.2	125.3	101.4	125.3
50°	78.2	94.3	110.5	130.9	152.7	147.9	116.6	90.5	79.7	69.0	79.7
52.5°	60.0	68.3	76.6	96.0	119.0	116.8	89.3	67.2	61.3	55.3	61.3
55°	42.7	45.8	49.0	59.7	73.0	72.2	57.4	45.6	43.1	40.5	43.1
57.5°	33.0	34.8	36.5	40.5	45.3	44.8	39.2	34.6	33.0	31.4	33.0
60°	28.4	29.7	31.0	33.0	35.2	34.8	32.0	29.5	27.9	26.3	27.9
62.5°	25.6	26.4	27.1	28.0	29.0	28.5	26.7	25.2	24.6	24.0	24.6
65°	22.0	22.4	22.7	22.8	22.8	22.4	21.8	21.3	20.9	20.6	20.9
67.5°	18.8	19.1	19.4	19.4	19.4	19.2	18.9	18.6	18.2	17.9	18.2
70°	17.1	17.4	17.7	17.5	17.2	16.9	16.6	16.3	16.0	15.6	16.0
72.5°	14.8	15.1	15.4	15.3	15.0	14.8	14.7	14.6	14.3	13.9	14.3
75°	12.1	12.1	12.1	12.1	12.1	11.9	11.6	11.4	11.4	11.4	11.4
77.5°	9.4	9.5	9.5	9.3	9.0	8.8	8.8	8.8	8.5	8.2	8.5
80°	7.1	7.4	7.7	7.6	7.3	7.1	7.1	7.1	7.1	7.1	7.1
82.5°	6.0	6.0	6.1	5.9	5.6	5.4	5.4	5.4	5.4	5.4	5.4
85°	3.6	3.6	3.6	3.3	3.0	3.0	3.3	3.5	3.2	2.8	3.2
87.5°	1.8	2.6	3.7	4.5	5.2	5.4	5.4	5.6	5.8	5.8	5.8
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°	4008.9	4008.9	4008.9	4008.9	4008.9	4008.9	4008.9	4008.9	4008.9	4008.9	4008.9
2.5°	3988.7	3978.9	3964.8	3966.2	3983.1	3996.6	3999.6	4002.6	3999.6	3996.6	3983.1
5°	3871.6	3854.6	3829.9	3824.9	3839.4	3850.9	3853.5	3856.0	3853.5	3850.9	3839.4
7.5°	3586.2	3571.4	3549.6	3543.0	3551.6	3557.5	3555.3	3553.2	3555.3	3557.5	3551.6
10°	3345.7	3327.1	3295.2	3285.5	3298.2	3306.2	3300.6	3294.9	3300.6	3306.2	3298.2
12.5°	2990.8	2989.9	2984.8	2986.5	2995.1	3002.5	3006.2	3009.8	3006.2	3002.5	2995.1
15°	2507.4	2502.4	2494.5	2501.9	2524.7	2545.1	2558.3	2571.6	2558.3	2545.1	2524.7
17.5°	2035.0	2036.5	2037.3	2047.7	2067.8	2081.6	2076.5	2071.4	2076.5	2081.6	2067.8
20°	1767.8	1763.2	1756.9	1759.8	1771.8	1780.4	1778.8	1777.2	1778.8	1780.4	1771.8
22.5°	1526.5	1520.9	1511.5	1514.5	1529.8	1541.2	1540.9	1540.5	1540.9	1541.2	1529.8
25°	1198.6	1201.9	1206.6	1213.9	1223.7	1231.3	1232.2	1233.2	1232.2	1231.3	1223.7
27.5°	992.5	990.7	987.6	989.6	997.0	1003.5	1007.4	1011.3	1007.4	1003.5	997.0
30°	879.7	879.0	877.1	880.0	887.5	894.0	897.2	900.3	897.2	894.0	887.5
32.5°	780.9	782.1	783.0	787.3	795.2	801.0	800.9	800.8	800.9	801.0	795.2
35°	645.7	650.0	654.8	660.6	667.6	672.3	670.4	668.5	670.4	672.3	667.6
37.5°	525.0	530.8	537.7	544.1	550.0	554.0	552.2	550.4	552.2	554.0	550.0
40°	448.3	454.9	463.1	469.3	473.4	476.2	474.9	473.6	474.9	476.2	473.4
42.5°	374.3	381.1	388.9	394.8	398.9	400.6	395.3	390.0	395.3	400.6	398.9
45°	267.0	279.5	288.0	290.1	285.7	278.1	261.4	244.6	261.4	278.1	285.7
47.5°	149.2	173.0	196.7	201.3	186.8	170.1	146.9	123.7	146.9	170.1	186.8
50°	90.5	116.6	147.9	152.7	130.9	110.5	94.3	78.2	94.3	110.5	130.9
52.5°	67.2	89.3	116.8	119.0	96.0	76.6	68.3	60.0	68.3	76.6	96.0
55°	45.6	57.4	72.2	73.0	59.7	49.0	45.8	42.7	45.8	49.0	59.7
57.5°	34.6	39.2	44.8	45.3	40.5	36.5	34.8	33.0	34.8	36.5	40.5
60°	29.5	32.0	34.8	35.2	33.0	31.0	29.7	28.4	29.7	31.0	33.0
62.5°	25.2	26.7	28.5	29.0	28.0	27.1	26.4	25.6	26.4	27.1	28.0
65°	21.3	21.8	22.4	22.8	22.8	22.7	22.4	22.0	22.4	22.7	22.8
67.5°	18.6	18.9	19.2	19.4	19.4	19.4	19.1	18.8	19.1	19.4	19.4
70°	16.3	16.6	16.9	17.2	17.5	17.7	17.4	17.1	17.4	17.7	17.5
72.5°	14.6	14.7	14.8	15.0	15.3	15.4	15.1	14.8	15.1	15.4	15.3
75°	11.4	11.6	11.9	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1
77.5°	8.8	8.8	8.8	9.0	9.3	9.5	9.5	9.4	9.5	9.5	9.3
80°	7.1	7.1	7.1	7.3	7.6	7.7	7.4	7.1	7.4	7.7	7.6
82.5°	5.4	5.4	5.4	5.6	5.9	6.1	6.0	6.0	6.0	6.1	5.9
85°	3.5	3.3	3.0	3.0	3.3	3.6	3.6	3.6	3.6	3.6	3.3
87.5°	5.6	5.4	5.4	5.2	4.5	3.7	2.6	1.8	2.6	3.5	4.9
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: P1428613

CATALOG NUMBER: SQ2W-WBN-K-075U-050D-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: P1428613

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	4008.9	4008.9	4008.9	4008.9	4008.9	4008.9	4008.9	4008.9	4008.9	4008.9	4008.9
2.5°	3966.2	3964.8	3978.9	3988.7	3985.1	3981.6	3985.1	3988.7	3978.9	3964.8	3966.2
5°	3824.9	3829.9	3854.6	3871.6	3865.9	3860.3	3865.9	3871.6	3854.6	3829.9	3824.9
7.5°	3543.0	3549.6	3571.4	3586.2	3580.1	3574.1	3580.1	3586.2	3571.4	3549.6	3543.0
10°	3285.5	3295.2	3327.1	3345.7	3324.2	3302.7	3324.2	3345.7	3327.1	3295.2	3285.5
12.5°	2986.5	2984.8	2989.9	2990.8	2978.9	2967.0	2978.9	2990.8	2989.9	2984.8	2986.5
15°	2501.9	2494.5	2502.4	2507.4	2504.0	2500.5	2504.0	2507.4	2502.4	2494.5	2501.9
17.5°	2047.7	2037.3	2036.5	2035.0	2031.1	2027.1	2031.1	2035.0	2036.5	2037.3	2047.7
20°	1759.8	1756.9	1763.2	1767.8	1767.2	1766.6	1767.2	1767.8	1763.2	1756.9	1759.8
22.5°	1514.5	1511.5	1520.9	1526.5	1520.8	1515.1	1520.8	1526.5	1520.9	1511.5	1514.5
25°	1213.9	1206.6	1201.9	1198.6	1199.5	1200.5	1199.5	1198.6	1201.9	1206.6	1213.9
27.5°	989.6	987.6	990.7	992.5	990.2	987.8	990.2	992.5	990.7	987.6	989.6
30°	880.0	877.1	879.0	879.7	876.9	874.0	876.9	879.7	879.0	877.1	880.0
32.5°	787.3	783.0	782.1	780.9	778.8	776.7	778.8	780.9	782.1	783.0	787.3
35°	660.6	654.8	650.0	645.7	642.9	640.1	642.9	645.7	650.0	654.8	660.6
37.5°	544.1	537.7	530.8	525.0	522.6	520.2	522.6	525.0	530.8	537.7	544.1
40°	469.3	463.1	454.9	448.3	446.4	444.5	446.4	448.3	454.9	463.1	469.3
42.5°	394.8	388.9	381.1	374.3	370.1	366.0	370.1	374.3	381.1	388.9	394.8
45°	290.1	288.0	279.5	267.0	242.7	218.3	242.7	267.0	279.5	288.0	290.1
47.5°	201.3	196.7	173.0	149.2	125.3	101.4	125.3	149.2	173.0	196.7	201.3
50°	152.7	147.9	116.6	90.5	79.7	69.0	79.7	90.5	116.6	147.9	152.7
52.5°	119.0	116.8	89.3	67.2	61.3	55.3	61.3	67.2	89.3	116.8	119.0
55°	73.0	72.2	57.4	45.6	43.1	40.5	43.1	45.6	57.4	72.2	73.0
57.5°	45.3	44.8	39.2	34.6	33.0	31.4	33.0	34.6	39.2	44.8	45.3
60°	35.2	34.8	32.0	29.5	27.9	26.3	27.9	29.5	32.0	34.8	35.2
62.5°	29.0	28.5	26.7	25.2	24.6	24.0	24.6	25.2	26.7	28.5	29.0
65°	22.8	22.4	21.8	21.3	20.9	20.6	20.9	21.3	21.8	22.4	22.8
67.5°	19.4	19.2	18.9	18.6	18.2	17.9	18.2	18.6	18.9	19.2	19.4
70°	17.2	16.9	16.6	16.3	16.0	15.6	16.0	16.3	16.6	16.9	17.2
72.5°	15.0	14.8	14.7	14.6	14.3	13.9	14.3	14.6	14.7	14.8	15.0
75°	12.1	11.9	11.6	11.4	11.4	11.4	11.4	11.4	11.6	11.9	12.1
77.5°	9.0	8.8	8.8	8.8	8.5	8.2	8.5	8.8	8.8	8.8	9.0
80°	7.3	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.3
82.5°	5.6	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.6
85°	3.0	3.0	3.3	3.5	3.2	2.8	3.2	3.5	3.3	3.0	3.0
87.5°	6.0	7.5	9.0	9.8	10.6	10.2	10.6	9.8	9.0	7.5	6.0
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: P1428613

CATALOG NUMBER: SQ2W-WBN-K-075U-050D-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: P1428613

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	4008.9	4008.9	4008.9	4008.9
2.5°	3983.1	3996.6	3999.6	4002.6
5°	3839.4	3850.9	3853.5	3856.0
7.5°	3551.6	3557.5	3555.3	3553.2
10°	3298.2	3306.2	3300.6	3294.9
12.5°	2995.1	3002.5	3006.2	3009.8
15°	2524.7	2545.1	2558.3	2571.6
17.5°	2067.8	2081.6	2076.5	2071.4
20°	1771.8	1780.4	1778.8	1777.2
22.5°	1529.8	1541.2	1540.9	1540.5
25°	1223.7	1231.3	1232.2	1233.2
27.5°	997.0	1003.5	1007.4	1011.3
30°	887.5	894.0	897.2	900.3
32.5°	795.2	801.0	800.9	800.8
35°	667.6	672.3	670.4	668.5
37.5°	550.0	554.0	552.2	550.4
40°	473.4	476.2	474.9	473.6
42.5°	398.9	400.6	395.3	390.0
45°	285.7	278.1	261.4	244.6
47.5°	186.8	170.1	146.9	123.7
50°	130.9	110.5	94.3	78.2
52.5°	96.0	76.6	68.3	60.0
55°	59.7	49.0	45.8	42.7
57.5°	40.5	36.5	34.8	33.0
60°	33.0	31.0	29.7	28.4
62.5°	28.0	27.1	26.4	25.6
65°	22.8	22.7	22.4	22.0
67.5°	19.4	19.4	19.1	18.8
70°	17.5	17.7	17.4	17.1
72.5°	15.3	15.4	15.1	14.8
75°	12.1	12.1	12.1	12.1
77.5°	9.3	9.5	9.5	9.4
80°	7.6	7.7	7.4	7.1
82.5°	5.9	6.1	6.0	6.0
85°	3.3	3.6	3.6	3.6
87.5°	4.9	3.5	2.6	1.8
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: P1428613

CATALOG NUMBER: SQ2W-WBN-K-075U-050D-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: P1428613
 CATALOG NUMBER: SQ2W-WBN-K-075U-050D-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	0.61	1.00	1.64	3.02	0.00	0.24	0.63	1.27	2.65
	3H	1.18	1.76	2.24	2.80	4.20	0.79	1.37	1.85	2.41	3.81
	4H	1.70	2.25	2.77	3.29	4.70	1.30	1.86	2.37	2.90	4.30
	6H	2.05	2.56	3.13	3.60	5.01	1.63	2.14	2.71	3.18	4.60
	8H	2.19	2.67	3.27	3.73	5.14	1.77	2.25	2.85	3.31	4.72
	12H	2.29	2.74	3.37	3.80	5.23	1.84	2.29	2.92	3.34	4.78
4H	2H	0.27	0.82	1.35	1.86	3.27	0.00	0.52	1.04	1.56	2.96
	3H	1.77	2.22	2.84	3.29	4.71	1.43	1.88	2.51	2.95	4.37
	4H	2.41	2.83	3.50	3.89	5.33	2.06	2.48	3.15	3.54	4.98
	6H	2.90	3.26	3.99	4.34	5.77	2.52	2.87	3.61	3.96	5.39
	8H	3.11	3.44	4.20	4.52	5.96	2.71	3.05	3.80	4.12	5.56
	12H	3.25	3.55	4.35	4.63	6.08	2.82	3.12	3.92	4.21	5.66
8H	4H	2.57	2.91	3.66	3.98	5.43	2.26	2.59	3.35	3.67	5.11
	6H	3.21	3.48	4.32	4.60	6.04	2.85	3.13	3.96	4.24	5.69
	8H	3.53	3.76	4.64	4.86	6.33	3.14	3.38	4.26	4.48	5.94
	12H	3.76	3.96	4.87	5.06	6.56	3.35	3.55	4.46	4.65	6.15
12H	4H	2.55	2.85	3.65	3.94	5.39	2.25	2.55	3.35	3.63	5.08
	6H	3.24	3.48	4.36	4.58	6.04	2.91	3.14	4.02	4.24	5.70
	8H	3.59	3.80	4.71	4.89	6.40	3.22	3.43	4.34	4.52	6.03