

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: P1427527

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

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1427527
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G3-2104-222-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-BBM-K-075U-100D-L940-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - BLACK DISCREET BAFFLE, MEDIUM 80-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

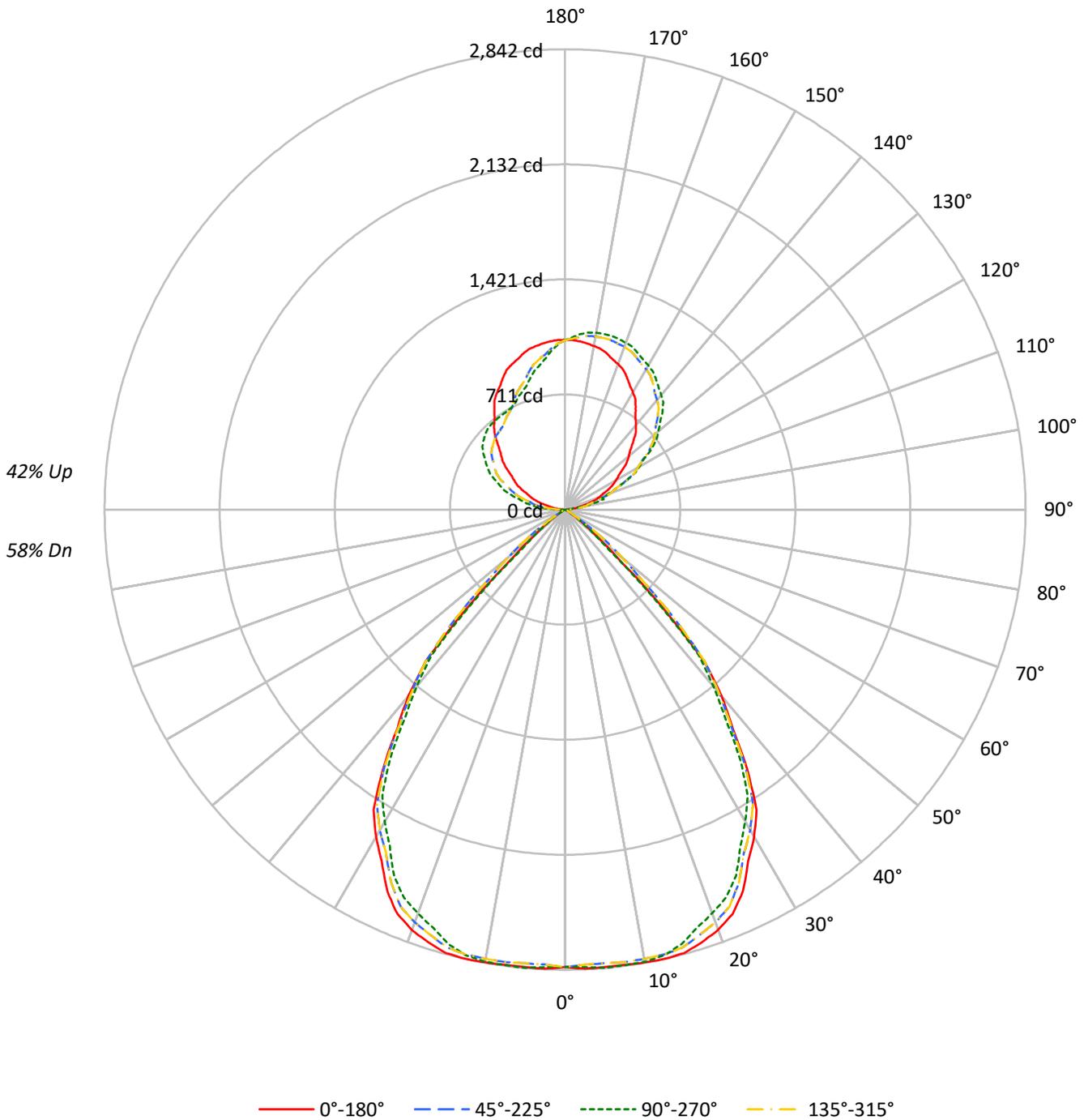
Lumens per Lamp: N/A
Luminaire Lumens: 7281.7 lumens
Efficiency: N/A
Efficacy: 118.0 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.17 / 1.16
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

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

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									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	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													58															
1	102	98	95	92	95	92	89	87	80	78	77	70	68	67	60	59	58	53													53															
2	95	89	84	80	89	83	79	75	73	70	68	64	62	60	56	54	53	49													49															
3	88	80	74	69	82	76	70	66	67	63	60	59	56	54	52	50	48	44													44															
4	82	73	66	61	77	69	63	58	61	57	53	54	51	48	48	45	43	40													40															
5	76	66	59	54	71	63	57	52	56	51	48	50	46	44	44	42	40	37													37															
6	71	61	54	48	67	58	51	47	52	47	43	46	42	40	41	38	36	34													34															
7	66	56	49	44	62	53	47	42	48	43	39	43	39	36	38	35	33	31													31															
8	62	51	44	39	58	49	42	38	44	39	35	40	36	33	36	33	30	28													28															
9	58	47	40	36	55	45	39	35	41	36	32	37	33	30	33	30	28	26													26															
10	55	44	37	33	52	42	36	32	38	33	30	35	31	28	31	28	26	24													24															

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	45614	45614	45614	45614
5°	45972	46040	45972	46040
10°	46549	46480	46549	46480
15°	47389	46443	47389	46443
20°	47449	45604	47449	45604
25°	46275	44464	46275	44464
30°	43500	41472	43500	41472
35°	38608	37159	38608	37159
40°	31663	29967	31663	29967
45°	18879	17716	18879	17716
50°	5893	5574	5893	5574
55°	2227	2227	2227	2227
60°	136	45	136	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: 22100 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	270.1	3.7
10°-20°	791.3	10.9
20°-30°	1164.1	16.0
30°-40°	1189.8	16.3
40°-50°	685.4	9.4
50°-60°	117.9	1.6
60°-70°	4.2	0.1
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	1.4
0°-30°	2225.5	30.6
0°-40°	3415.3	46.9
0°-60°	4218.7	57.9
0°-90°	4228.5	58.1
90°-120°	722.3	9.9
90°-150°	2265.4	31.1
90°-180°	3054.0	41.9
0°-180°	7281.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2825	2825	2825	2825	2825	
5°	2836	2841	2836	2841	2836	271
15°	2835	2778	2835	2778	2835	798
25°	2598	2496	2598	2496	2598	1185
35°	1959	1885	1959	1885	1959	1210
45°	827	776	827	776	827	640
55°	79	79	79	79	79	84
65°	0	0	0	0	0	1
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°	2825.2	2825.2	2825.2	2825.2	2825.2	2825.2	2825.2	2825.2	2825.2	2825.2	2825.2
2.5°	2837.6	2834.1	2830.6	2822.2	2812.1	2812.9	2824.4	2832.5	2830.0	2827.4	2830.0
5°	2836.5	2833.3	2830.2	2821.4	2810.7	2813.9	2830.8	2843.2	2842.0	2840.7	2842.0
7.5°	2834.8	2832.7	2830.5	2824.3	2816.8	2820.0	2833.9	2843.6	2840.5	2837.3	2840.5
10°	2839.3	2838.7	2838.1	2828.5	2815.9	2816.9	2831.3	2841.4	2838.2	2835.1	2838.2
12.5°	2841.6	2845.5	2849.4	2835.6	2816.0	2812.0	2823.4	2830.5	2824.9	2819.2	2824.9
15°	2835.1	2845.7	2856.4	2837.0	2807.4	2793.6	2795.5	2794.9	2786.7	2778.5	2786.7
17.5°	2803.4	2818.5	2833.6	2807.8	2768.5	2745.4	2738.5	2730.4	2718.9	2707.3	2718.9
20°	2761.6	2779.2	2796.8	2768.6	2725.3	2697.7	2685.7	2674.3	2664.2	2654.2	2664.2
22.5°	2702.8	2718.9	2734.9	2708.0	2666.6	2638.5	2623.5	2610.3	2602.3	2594.2	2602.3
25°	2597.6	2608.3	2619.0	2591.5	2551.3	2525.6	2514.3	2504.7	2500.3	2495.9	2500.3
27.5°	2448.7	2451.7	2454.7	2432.8	2402.7	2380.6	2366.5	2354.5	2348.9	2343.2	2348.9
30°	2333.3	2333.3	2333.3	2316.4	2293.8	2274.9	2259.9	2245.9	2235.2	2224.5	2235.2
32.5°	2198.8	2197.3	2195.8	2183.4	2167.3	2150.9	2134.4	2119.3	2108.6	2097.9	2108.6
35°	1958.8	1965.7	1972.6	1964.0	1950.2	1935.1	1918.8	1904.2	1894.8	1885.3	1894.8
37.5°	1699.1	1701.7	1704.3	1697.2	1686.8	1672.7	1655.2	1640.0	1632.1	1624.2	1632.1
40°	1502.3	1503.0	1503.6	1494.8	1482.9	1470.6	1458.0	1445.6	1433.7	1421.8	1433.7
42.5°	1272.8	1285.5	1298.2	1292.8	1281.4	1265.6	1245.5	1229.2	1224.3	1219.4	1224.3
45°	826.8	882.7	938.6	959.2	967.9	961.0	938.4	905.3	840.6	775.9	840.6
47.5°	415.5	485.1	554.7	602.9	644.0	632.3	567.9	502.4	433.9	365.5	433.9
50°	234.6	276.1	317.5	382.1	454.3	442.4	346.3	268.4	245.1	221.9	245.1
52.5°	156.6	174.9	193.3	245.3	308.4	304.3	232.8	175.9	162.7	149.5	162.7
55°	79.1	84.2	89.2	112.1	141.0	140.4	110.2	86.7	82.9	79.1	82.9
57.5°	26.9	33.6	40.4	50.6	61.9	62.2	51.5	42.0	35.8	29.7	35.8
60°	4.2	10.5	16.8	25.0	33.8	32.8	22.1	12.7	7.1	1.4	7.1
62.5°	0.8	2.6	4.4	11.0	19.3	19.1	10.5	3.5	1.9	0.3	1.9
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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CATALOG NUMBER: SQ2W-BBM-K-075U-100D-L940-UNV-STD-W-WM-4

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°	2825.2	2825.2	2825.2	2825.2	2825.2	2825.2	2825.2	2825.2	2825.2	2825.2	2825.2
2.5°	2832.5	2824.4	2812.9	2812.1	2822.2	2830.6	2834.1	2837.6	2834.1	2830.6	2822.2
5°	2843.2	2830.8	2813.9	2810.7	2821.4	2830.2	2833.3	2836.5	2833.3	2830.2	2821.4
7.5°	2843.6	2833.9	2820.0	2816.8	2824.3	2830.5	2832.7	2834.8	2832.7	2830.5	2824.3
10°	2841.4	2831.3	2816.9	2815.9	2828.5	2838.1	2838.7	2839.3	2838.7	2838.1	2828.5
12.5°	2830.5	2823.4	2812.0	2816.0	2835.6	2849.4	2845.5	2841.6	2845.5	2849.4	2835.6
15°	2794.9	2795.5	2793.6	2807.4	2837.0	2856.4	2845.7	2835.1	2845.7	2856.4	2837.0
17.5°	2730.4	2738.5	2745.4	2768.5	2807.8	2833.6	2818.5	2803.4	2818.5	2833.6	2807.8
20°	2674.3	2685.7	2697.7	2725.3	2768.6	2796.8	2779.2	2761.6	2779.2	2796.8	2768.6
22.5°	2610.3	2623.5	2638.5	2666.6	2708.0	2734.9	2718.9	2702.8	2718.9	2734.9	2708.0
25°	2504.7	2514.3	2525.6	2551.3	2591.5	2619.0	2608.3	2597.6	2608.3	2619.0	2591.5
27.5°	2354.5	2366.5	2380.6	2402.7	2432.8	2454.7	2451.7	2448.7	2451.7	2454.7	2432.8
30°	2245.9	2259.9	2274.9	2293.8	2316.4	2333.3	2333.3	2333.3	2333.3	2333.3	2316.4
32.5°	2119.3	2134.4	2150.9	2167.3	2183.4	2195.8	2197.3	2198.8	2197.3	2195.8	2183.4
35°	1904.2	1918.8	1935.1	1950.2	1964.0	1972.6	1965.7	1958.8	1965.7	1972.6	1964.0
37.5°	1640.0	1655.2	1672.7	1686.8	1697.2	1704.3	1701.7	1699.1	1701.7	1704.3	1697.2
40°	1445.6	1458.0	1470.6	1482.9	1494.8	1503.6	1503.0	1502.3	1503.0	1503.6	1494.8
42.5°	1229.2	1245.5	1265.6	1281.4	1292.8	1298.2	1285.5	1272.8	1285.5	1298.2	1292.8
45°	905.3	938.4	961.0	967.9	959.2	938.6	882.7	826.8	882.7	938.6	959.2
47.5°	502.4	567.9	632.3	644.0	602.9	554.7	485.1	415.5	485.1	554.7	602.9
50°	268.4	346.3	442.4	454.3	382.1	317.5	276.1	234.6	276.1	317.5	382.1
52.5°	175.9	232.8	304.3	308.4	245.3	193.3	174.9	156.6	174.9	193.3	245.3
55°	86.7	110.2	140.4	141.0	112.1	89.2	84.2	79.1	84.2	89.2	112.1
57.5°	42.0	51.5	62.2	61.9	50.6	40.4	33.6	26.9	33.6	40.4	50.6
60°	12.7	22.1	32.8	33.8	25.0	16.8	10.5	4.2	10.5	16.8	25.0
62.5°	3.5	10.5	19.1	19.3	11.0	4.4	2.6	0.8	2.6	4.4	11.0
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: P1427527

CATALOG NUMBER: SQ2W-BBM-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: P1427527

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2825.2	2825.2	2825.2	2825.2	2825.2	2825.2	2825.2	2825.2	2825.2	2825.2	2825.2
2.5°	2812.1	2812.9	2824.4	2832.5	2830.0	2827.4	2830.0	2832.5	2824.4	2812.9	2812.1
5°	2810.7	2813.9	2830.8	2843.2	2842.0	2840.7	2842.0	2843.2	2830.8	2813.9	2810.7
7.5°	2816.8	2820.0	2833.9	2843.6	2840.5	2837.3	2840.5	2843.6	2833.9	2820.0	2816.8
10°	2815.9	2816.9	2831.3	2841.4	2838.2	2835.1	2838.2	2841.4	2831.3	2816.9	2815.9
12.5°	2816.0	2812.0	2823.4	2830.5	2824.9	2819.2	2824.9	2830.5	2823.4	2812.0	2816.0
15°	2807.4	2793.6	2795.5	2794.9	2786.7	2778.5	2786.7	2794.9	2795.5	2793.6	2807.4
17.5°	2768.5	2745.4	2738.5	2730.4	2718.9	2707.3	2718.9	2730.4	2738.5	2745.4	2768.5
20°	2725.3	2697.7	2685.7	2674.3	2664.2	2654.2	2664.2	2674.3	2685.7	2697.7	2725.3
22.5°	2666.6	2638.5	2623.5	2610.3	2602.3	2594.2	2602.3	2610.3	2623.5	2638.5	2666.6
25°	2551.3	2525.6	2514.3	2504.7	2500.3	2495.9	2500.3	2504.7	2514.3	2525.6	2551.3
27.5°	2402.7	2380.6	2366.5	2354.5	2348.9	2343.2	2348.9	2354.5	2366.5	2380.6	2402.7
30°	2293.8	2274.9	2259.9	2245.9	2235.2	2224.5	2235.2	2245.9	2259.9	2274.9	2293.8
32.5°	2167.3	2150.9	2134.4	2119.3	2108.6	2097.9	2108.6	2119.3	2134.4	2150.9	2167.3
35°	1950.2	1935.1	1918.8	1904.2	1894.8	1885.3	1894.8	1904.2	1918.8	1935.1	1950.2
37.5°	1686.8	1672.7	1655.2	1640.0	1632.1	1624.2	1632.1	1640.0	1655.2	1672.7	1686.8
40°	1482.9	1470.6	1458.0	1445.6	1433.7	1421.8	1433.7	1445.6	1458.0	1470.6	1482.9
42.5°	1281.4	1265.6	1245.5	1229.2	1224.3	1219.4	1224.3	1229.2	1245.5	1265.6	1281.4
45°	967.9	961.0	938.4	905.3	840.6	775.9	840.6	905.3	938.4	961.0	967.9
47.5°	644.0	632.3	567.9	502.4	433.9	365.5	433.9	502.4	567.9	632.3	644.0
50°	454.3	442.4	346.3	268.4	245.1	221.9	245.1	268.4	346.3	442.4	454.3
52.5°	308.4	304.3	232.8	175.9	162.7	149.5	162.7	175.9	232.8	304.3	308.4
55°	141.0	140.4	110.2	86.7	82.9	79.1	82.9	86.7	110.2	140.4	141.0
57.5°	61.9	62.2	51.5	42.0	35.8	29.7	35.8	42.0	51.5	62.2	61.9
60°	33.8	32.8	22.1	12.7	7.1	1.4	7.1	12.7	22.1	32.8	33.8
62.5°	19.3	19.1	10.5	3.5	1.9	0.3	1.9	3.5	10.5	19.1	19.3
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: P1427527

CATALOG NUMBER: SQ2W-BBM-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: P1427527

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	2825.2	2825.2	2825.2	2825.2
2.5°	2822.2	2830.6	2834.1	2837.6
5°	2821.4	2830.2	2833.3	2836.5
7.5°	2824.3	2830.5	2832.7	2834.8
10°	2828.5	2838.1	2838.7	2839.3
12.5°	2835.6	2849.4	2845.5	2841.6
15°	2837.0	2856.4	2845.7	2835.1
17.5°	2807.8	2833.6	2818.5	2803.4
20°	2768.6	2796.8	2779.2	2761.6
22.5°	2708.0	2734.9	2718.9	2702.8
25°	2591.5	2619.0	2608.3	2597.6
27.5°	2432.8	2454.7	2451.7	2448.7
30°	2316.4	2333.3	2333.3	2333.3
32.5°	2183.4	2195.8	2197.3	2198.8
35°	1964.0	1972.6	1965.7	1958.8
37.5°	1697.2	1704.3	1701.7	1699.1
40°	1494.8	1503.6	1503.0	1502.3
42.5°	1292.8	1298.2	1285.5	1272.8
45°	959.2	938.6	882.7	826.8
47.5°	602.9	554.7	485.1	415.5
50°	382.1	317.5	276.1	234.6
52.5°	245.3	193.3	174.9	156.6
55°	112.1	89.2	84.2	79.1
57.5°	50.6	40.4	33.6	26.9
60°	25.0	16.8	10.5	4.2
62.5°	11.0	4.4	2.6	0.8
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: P1427527

CATALOG NUMBER: SQ2W-BBM-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: P1427527
 CATALOG NUMBER: SQ2W-BBM-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	0.38	0.56	1.29	2.46	0.00	0.61	0.79	1.52	2.69
	3H	0.00	0.10	0.38	1.03	2.22	0.00	0.33	0.61	1.26	2.45
	4H	0.00	0.00	0.29	0.89	2.09	0.00	0.19	0.52	1.12	2.32
	6H	0.00	0.00	0.19	0.73	1.94	0.00	0.03	0.42	0.96	2.17
	8H	0.00	0.00	0.14	0.66	1.87	0.00	0.00	0.37	0.89	2.10
	12H	0.00	0.00	0.08	0.56	1.80	0.00	0.00	0.31	0.79	2.02
4H	2H	0.00	0.00	0.30	0.90	2.10	0.00	0.20	0.53	1.13	2.33
	3H	0.00	0.00	0.11	0.62	1.83	0.00	0.00	0.34	0.85	2.06
	4H	0.00	0.00	0.01	0.45	1.69	0.00	0.00	0.24	0.68	1.92
	6H	0.00	0.00	0.00	0.30	1.54	0.00	0.00	0.14	0.53	1.77
	8H	0.00	0.00	0.00	0.20	1.45	0.00	0.00	0.07	0.43	1.68
	12H	0.00	0.00	0.00	0.11	1.36	0.00	0.00	0.02	0.34	1.59
8H	4H	0.00	0.00	0.00	0.20	1.45	0.00	0.00	0.07	0.43	1.68
	6H	0.00	0.00	0.00	0.06	1.31	0.00	0.00	0.00	0.29	1.54
	8H	0.00	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.18	1.45
	12H	0.00	0.00	0.00	0.00	1.16	0.00	0.00	0.00	0.07	1.39
12H	4H	0.00	0.00	0.00	0.11	1.36	0.00	0.00	0.02	0.34	1.59
	6H	0.00	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.18	1.45
	8H	0.00	0.00	0.00	0.00	1.16	0.00	0.00	0.00	0.07	1.39