

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: P1427503

Luminaire Tested: SQ2W-BBM-K-025U-100D-L940-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1427503
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-025U-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 250 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

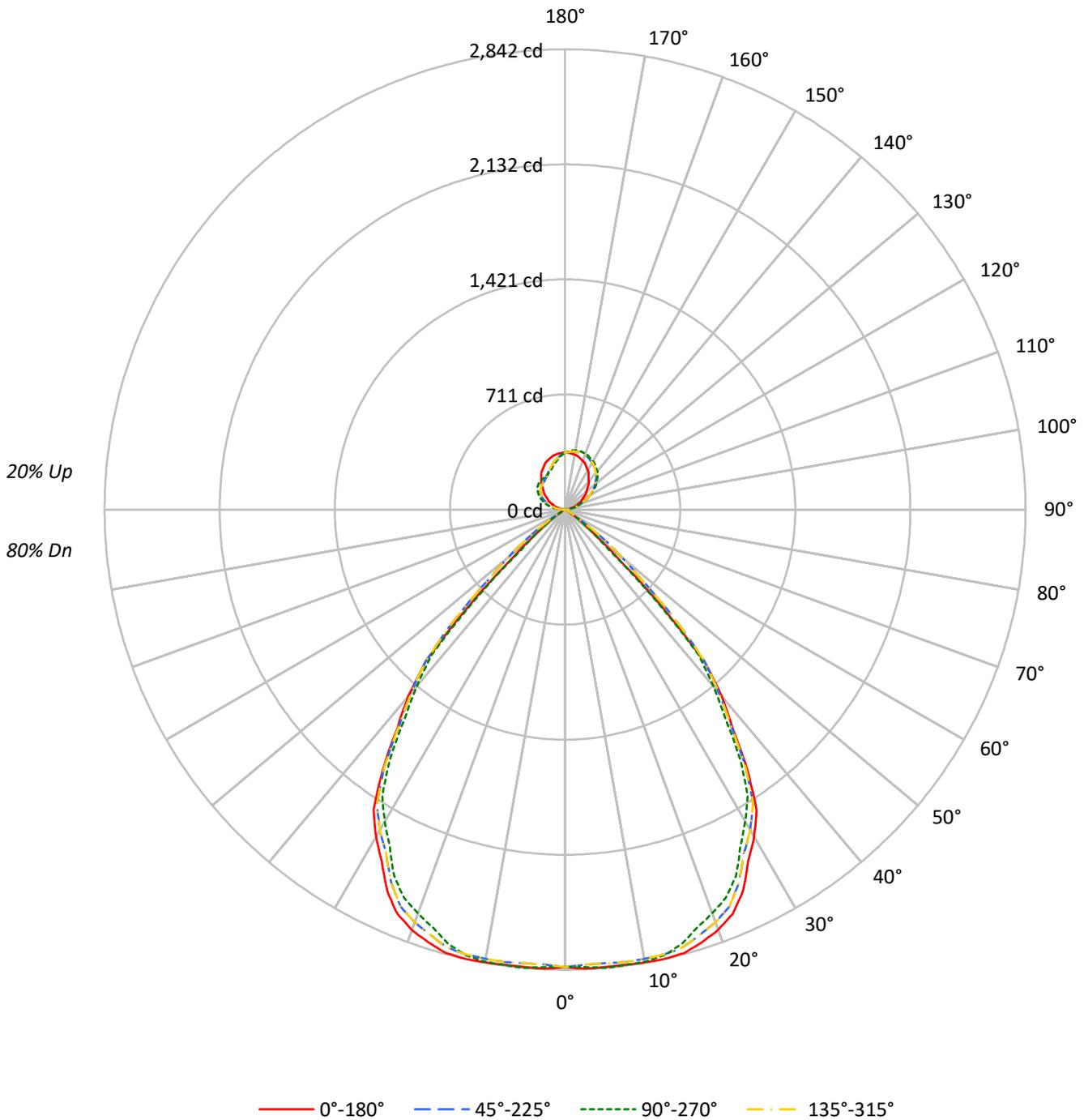
Lumens per Lamp: N/A
Luminaire Lumens: 5248.3 lumens
Efficiency: N/A
Efficacy: 115.1 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.17 / 1.16
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 45.6
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	114	114	114	114	109	109	109	109	100	100	100	92	92	92	84	84	84	80
1	108	104	102	99	103	100	98	96	93	91	89	86	84	83	79	78	77	74
2	101	95	91	87	97	92	88	84	85	82	79	79	77	75	74	72	70	68
3	94	87	81	77	91	84	79	75	79	74	71	74	70	67	69	66	64	61
4	88	80	73	68	85	77	71	67	72	68	64	68	64	61	64	61	58	56
5	83	73	66	61	79	71	65	60	67	62	58	63	59	55	59	56	53	51
6	77	67	60	55	74	65	59	54	62	56	52	58	54	50	55	52	49	47
7	73	62	55	50	70	60	54	49	57	52	48	54	50	46	51	48	45	43
8	68	57	50	46	66	56	49	45	53	48	44	50	46	42	48	44	41	39
9	64	53	46	42	62	52	46	41	49	44	40	47	42	39	45	41	38	36
10	60	49	43	38	58	48	42	38	46	41	37	44	39	36	42	38	35	33

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	5.1
10°-20°	791.3	15.1
20°-30°	1164.1	22.2
30°-40°	1189.8	22.7
40°-50°	685.4	13.1
50°-60°	117.9	2.2
60°-70°	4.2	0.1
70°-80°	0.0	0.0
80°-90°	1.9	0.0
90°-100°	27.9	0.5
100°-110°	81.4	1.6
110°-120°	132.8	2.5
120°-130°	168.5	3.2
130°-140°	180.3	3.4
140°-150°	168.4	3.2
150°-160°	138.6	2.6
160°-170°	92.9	1.8
170°-180°	33.0	0.6
0°-30°	2225.5	42.4
0°-40°	3415.3	65.1
0°-60°	4218.7	80.4
0°-90°	4224.8	80.5
90°-120°	242.1	4.6
90°-150°	759.4	14.5
90°-180°	1024.0	19.5
0°-180°	5248.3	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°	1	8	1	15	1	1
95°	11	8	11	48	11	13
105°	52	83	52	114	52	55
115°	99	137	99	169	99	98
125°	147	218	147	208	147	131
135°	199	285	199	230	199	154
145°	255	329	255	235	255	159
155°	302	357	302	244	302	139
165°	334	372	334	280	334	94
175°	350	364	350	329	350	33
180°	351	351	351	351	351	



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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°	0.2	0.5	0.9	1.1	1.3	1.4	1.4	1.5	1.6	1.6	1.6
90°	1.1	2.5	4.3	5.7	6.7	7.1	7.1	7.4	7.8	7.8	7.8
92.5°	3.9	6.2	6.2	6.2	7.6	8.2	8.8	8.9	9.2	9.2	9.2
95°	11.0	12.0	18.1	17.7	12.0	9.6	8.1	8.1	8.1	8.1	8.1
97.5°	21.0	22.5	23.5	31.5	33.3	32.2	26.2	22.0	19.7	18.6	19.7
100°	29.8	30.5	32.6	32.9	41.8	50.3	46.0	40.7	39.0	37.9	39.0
102.5°	38.5	39.0	42.2	43.7	45.8	50.6	65.3	63.7	62.5	62.3	62.5
105°	51.7	52.1	58.1	60.9	62.3	62.3	62.0	69.1	80.4	82.9	80.4
107.5°	65.8	67.4	74.5	82.1	83.7	84.2	82.3	81.3	80.8	81.1	80.8
110°	75.4	77.9	86.4	96.0	98.5	99.2	98.5	97.4	96.7	96.7	96.7



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	84.8	88.4	98.0	109.0	113.2	115.3	113.8	113.0	112.3	112.9	112.3
115°	99.2	104.5	117.2	128.6	137.1	138.1	137.8	137.8	137.4	137.4	137.4
117.5°	112.5	121.0	135.3	148.5	158.3	161.2	162.6	162.2	161.7	162.4	161.7
120°	121.9	131.8	148.1	162.9	172.5	176.8	178.2	177.5	178.2	177.5	178.2
122.5°	131.8	144.0	160.0	175.4	186.7	191.5	193.2	193.3	193.5	193.1	193.5
125°	146.6	161.5	180.3	196.2	207.9	213.6	215.0	215.4	216.1	217.8	216.1
127.5°	161.7	178.5	199.1	214.5	226.5	233.4	235.6	236.3	237.8	238.6	237.8
130°	172.2	191.3	212.2	226.7	238.4	245.8	249.7	250.8	252.6	252.2	252.6
132.5°	183.2	203.2	224.4	239.5	250.3	258.3	261.6	264.7	265.3	265.8	265.3
135°	199.4	221.0	242.3	257.2	267.4	275.2	279.5	282.3	284.1	285.1	284.1
137.5°	216.5	239.3	259.7	273.0	283.3	290.0	294.9	297.8	299.7	300.5	299.7
140°	228.1	250.1	269.9	283.7	292.9	299.7	303.9	307.5	309.6	309.6	309.6
142.5°	239.2	260.9	280.1	293.9	302.0	308.2	312.7	315.4	317.8	317.8	317.8
145°	254.7	276.3	294.0	307.8	314.6	320.2	325.2	327.3	328.7	328.7	328.7
147.5°	270.9	290.0	306.2	319.4	325.1	331.8	335.7	337.4	339.1	338.4	339.1
150°	280.5	298.3	313.8	326.2	331.9	338.3	342.2	343.6	345.4	344.3	345.4
152.5°	289.9	306.8	320.9	332.5	337.3	343.7	348.1	349.5	350.8	350.0	350.8
155°	302.5	317.4	330.5	341.1	345.4	351.4	355.6	357.4	358.8	357.1	358.8
157.5°	313.8	326.6	338.0	347.8	352.3	357.5	361.4	363.6	365.1	364.3	365.1
160°	320.6	332.3	342.5	351.7	356.0	360.6	364.9	367.3	368.7	367.7	368.7
162.5°	326.2	336.8	346.5	354.9	358.5	362.6	367.7	369.9	371.3	370.0	371.3
165°	334.4	342.9	351.4	358.5	361.7	364.9	370.2	372.6	373.7	372.3	373.7
167.5°	340.6	347.1	353.9	360.0	362.4	365.5	370.8	372.9	374.2	372.4	374.2
170°	344.0	349.6	355.6	360.6	362.4	365.2	370.5	372.3	373.4	371.6	373.4
172.5°	346.8	351.0	355.9	360.3	361.2	363.5	368.5	370.3	371.1	369.6	371.1
175°	349.6	352.1	355.6	358.5	358.1	359.5	363.8	365.2	366.6	364.5	366.6
177.5°	351.0	352.1	353.2	354.9	353.8	353.8	356.9	357.8	358.0	356.9	358.0
180°	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7



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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°	1.5	1.4	1.4	1.3	1.1	0.9	0.5	0.2	0.5	0.8	1.3
90°	7.4	7.1	7.1	6.7	5.7	4.3	2.5	1.1	2.5	3.9	6.4
92.5°	8.9	8.8	8.2	7.6	6.2	6.2	6.2	3.9	6.7	9.6	13.7
95°	8.1	8.1	9.6	12.0	17.7	18.1	12.0	11.0	15.6	22.0	27.6
97.5°	22.0	26.2	32.2	33.3	31.5	23.5	22.5	21.0	28.6	34.9	44.0
100°	40.7	46.0	50.3	41.8	32.9	32.6	30.5	29.8	37.9	43.9	52.8
102.5°	63.7	65.3	50.6	45.8	43.7	42.2	39.0	38.5	46.7	55.0	62.4
105°	69.1	62.0	62.3	62.3	60.9	58.1	52.1	51.7	60.9	70.5	79.7
107.5°	81.3	82.3	84.2	83.7	82.1	74.5	67.4	65.8	74.1	85.6	95.7
110°	97.4	98.5	99.2	98.5	96.0	86.4	77.9	75.4	82.9	94.9	105.9



TEST NUMBER: P1427503

CATALOG NUMBER: SQ2W-BBM-K-025U-100D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	113.0	113.8	115.3	113.2	109.0	98.0	88.4	84.8	92.2	104.6	115.8
115°	137.8	137.8	138.1	137.1	128.6	117.2	104.5	99.2	105.6	116.9	129.3
117.5°	162.2	162.6	161.2	158.3	148.5	135.3	121.0	112.5	117.5	129.5	142.3
120°	177.5	178.2	176.8	172.5	162.9	148.1	131.8	121.9	125.7	137.4	150.2
122.5°	193.3	193.2	191.5	186.7	175.4	160.0	144.0	131.8	133.4	144.2	156.7
125°	215.4	215.0	213.6	207.9	196.2	180.3	161.5	146.6	144.5	153.7	166.5
127.5°	236.3	235.6	233.4	226.5	214.5	199.1	178.5	161.7	156.9	162.7	174.4
130°	250.8	249.7	245.8	238.4	226.7	212.2	191.3	172.2	165.4	169.0	179.2
132.5°	264.7	261.6	258.3	250.3	239.5	224.4	203.2	183.2	173.9	175.5	183.5
135°	282.3	279.5	275.2	267.4	257.2	242.3	221.0	199.4	186.7	185.3	189.9
137.5°	297.8	294.9	290.0	283.3	273.0	259.7	239.3	216.5	200.4	195.7	197.4
140°	307.5	303.9	299.7	292.9	283.7	269.9	250.1	228.1	210.1	203.3	202.3
142.5°	315.4	312.7	308.2	302.0	293.9	280.1	260.9	239.2	220.0	211.3	208.8
145°	327.3	325.2	320.2	314.6	307.8	294.0	276.3	254.7	235.6	224.2	218.9
147.5°	337.4	335.7	331.8	325.1	319.4	306.2	290.0	270.9	251.3	237.3	230.4
150°	343.6	342.2	338.3	331.9	326.2	313.8	298.3	280.5	261.8	246.9	238.0
152.5°	349.5	348.1	343.7	337.3	332.5	320.9	306.8	289.9	270.8	256.0	246.8
155°	357.4	355.6	351.4	345.4	341.1	330.5	317.4	302.5	286.2	270.6	260.4
157.5°	363.6	361.4	357.5	352.3	347.8	338.0	326.6	313.8	299.5	284.7	274.2
160°	367.3	364.9	360.6	356.0	351.7	342.5	332.3	320.6	307.5	294.0	282.7
162.5°	369.9	367.7	362.6	358.5	354.9	346.5	336.8	326.2	314.6	302.8	292.3
165°	372.6	370.2	364.9	361.7	358.5	351.4	342.9	334.4	324.5	314.9	306.4
167.5°	372.9	370.8	365.5	362.4	360.0	353.9	347.1	340.6	332.8	325.3	318.2
170°	372.3	370.5	365.2	362.4	360.6	355.6	349.6	344.0	337.9	331.6	325.9
172.5°	370.3	368.5	363.5	361.2	360.3	355.9	351.0	346.8	341.6	336.9	332.4
175°	365.2	363.8	359.5	358.1	358.5	355.6	352.1	349.6	346.4	343.6	341.1
177.5°	357.8	356.9	353.8	353.8	354.9	353.2	352.1	351.0	349.5	348.7	347.8
180°	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7



TEST NUMBER: P1427503

CATALOG NUMBER: SQ2W-BBM-K-025U-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°	1.6	2.1	2.6	2.9	3.2	3.0	3.2	2.9	2.6	2.1	1.6
90°	8.1	10.6	13.1	14.5	15.9	15.2	15.9	14.5	13.1	10.6	8.1
92.5°	16.4	20.5	23.6	26.1	27.3	27.1	27.3	26.1	23.6	20.5	16.4
95°	32.9	37.9	42.9	46.4	48.5	47.8	48.5	46.4	42.9	37.9	32.9
97.5°	50.8	57.5	63.0	66.3	68.4	69.9	68.4	66.3	63.0	57.5	50.8
100°	62.7	69.1	75.4	79.3	82.9	84.3	82.9	79.3	75.4	69.1	62.7
102.5°	72.3	80.7	87.6	91.8	94.8	96.2	94.8	91.8	87.6	80.7	72.3
105°	88.2	97.1	104.5	109.8	113.0	114.1	113.0	109.8	104.5	97.1	88.2
107.5°	104.1	113.2	120.1	126.0	129.9	132.1	129.9	126.0	120.1	113.2	104.1
110°	116.5	124.0	131.4	136.7	140.6	142.0	140.6	136.7	131.4	124.0	116.5



TEST NUMBER: P1427503

CATALOG NUMBER: SQ2W-BBM-K-025U-100D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	127.0	135.3	142.8	148.1	152.5	154.5	152.5	148.1	142.8	135.3	127.0
115°	141.7	152.7	159.4	164.4	167.5	169.3	167.5	164.4	159.4	152.7	141.7
117.5°	153.9	165.4	172.7	176.5	178.0	179.3	178.0	176.5	172.7	165.4	153.9
120°	161.5	172.2	180.7	185.6	187.4	188.1	187.4	185.6	180.7	172.2	161.5
122.5°	168.6	178.7	186.9	193.0	195.9	196.6	195.9	193.0	186.9	178.7	168.6
125°	178.5	188.1	196.6	202.6	205.8	207.6	205.8	202.6	196.6	188.1	178.5
127.5°	187.2	197.5	205.3	210.8	213.9	215.3	213.9	210.8	205.3	197.5	187.2
130°	192.0	202.6	210.4	216.4	219.3	220.7	219.3	216.4	210.4	202.6	192.0
132.5°	195.7	206.9	214.9	220.4	223.5	224.9	223.5	220.4	214.9	206.9	195.7
135°	200.1	211.8	220.3	225.6	228.5	229.9	228.5	225.6	220.3	211.8	200.1
137.5°	204.0	214.7	223.5	229.1	231.7	232.6	231.7	229.1	223.5	214.7	204.0
140°	206.9	216.1	224.9	230.2	233.1	233.4	233.1	230.2	224.9	216.1	206.9
142.5°	210.6	217.8	225.5	230.8	233.6	234.3	233.6	230.8	225.5	217.8	210.6
145°	217.1	221.4	226.7	231.7	234.1	234.9	234.1	231.7	226.7	221.4	217.1
147.5°	225.4	226.8	229.5	232.8	235.2	235.7	235.2	232.8	229.5	226.8	225.4
150°	231.7	231.3	232.4	234.5	236.6	236.3	236.6	234.5	232.4	231.3	231.7
152.5°	238.7	236.7	236.6	237.6	238.6	238.5	238.6	237.6	236.6	236.7	238.7
155°	250.8	246.9	244.8	244.1	244.1	243.7	244.1	244.1	244.8	246.9	250.8
157.5°	264.0	258.6	255.4	253.7	253.2	252.4	253.2	253.7	255.4	258.6	264.0
160°	273.1	267.1	263.9	261.1	260.0	258.9	260.0	261.1	263.9	267.1	273.1
162.5°	281.6	275.9	272.4	269.8	268.8	267.2	268.8	269.8	272.4	275.9	281.6
165°	295.4	289.4	285.5	283.4	282.0	280.5	282.0	283.4	285.5	289.4	295.4
167.5°	309.2	302.6	300.1	297.7	296.3	293.8	296.3	297.7	300.1	302.6	309.2
170°	317.7	311.7	310.3	308.2	305.7	302.9	305.7	308.2	310.3	311.7	317.7
172.5°	325.1	321.1	319.7	317.5	316.7	314.5	316.7	317.5	319.7	321.1	325.1
175°	335.8	332.6	332.6	332.3	331.2	329.1	331.2	332.3	332.6	332.6	335.8
177.5°	344.7	343.0	344.2	344.2	343.9	341.9	343.9	344.2	344.2	343.0	344.7
180°	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7



TEST NUMBER: P1427503

CATALOG NUMBER: SQ2W-BBM-K-025U-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°	1.3	0.8	0.5	0.2
90°	6.4	3.9	2.5	1.1
92.5°	13.7	9.6	6.7	3.9
95°	27.6	22.0	15.6	11.0
97.5°	44.0	34.9	28.6	21.0
100°	52.8	43.9	37.9	29.8
102.5°	62.4	55.0	46.7	38.5
105°	79.7	70.5	60.9	51.7
107.5°	95.7	85.6	74.1	65.8
110°	105.9	94.9	82.9	75.4



TEST NUMBER: P1427503

CATALOG NUMBER: SQ2W-BBM-K-025U-100D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	115.8	104.6	92.2	84.8
115°	129.3	116.9	105.6	99.2
117.5°	142.3	129.5	117.5	112.5
120°	150.2	137.4	125.7	121.9
122.5°	156.7	144.2	133.4	131.8
125°	166.5	153.7	144.5	146.6
127.5°	174.4	162.7	156.9	161.7
130°	179.2	169.0	165.4	172.2
132.5°	183.5	175.5	173.9	183.2
135°	189.9	185.3	186.7	199.4
137.5°	197.4	195.7	200.4	216.5
140°	202.3	203.3	210.1	228.1
142.5°	208.8	211.3	220.0	239.2
145°	218.9	224.2	235.6	254.7
147.5°	230.4	237.3	251.3	270.9
150°	238.0	246.9	261.8	280.5
152.5°	246.8	256.0	270.8	289.9
155°	260.4	270.6	286.2	302.5
157.5°	274.2	284.7	299.5	313.8
160°	282.7	294.0	307.5	320.6
162.5°	292.3	302.8	314.6	326.2
165°	306.4	314.9	324.5	334.4
167.5°	318.2	325.3	332.8	340.6
170°	325.9	331.6	337.9	344.0
172.5°	332.4	336.9	341.6	346.8
175°	341.1	343.6	346.4	349.6
177.5°	347.8	348.7	349.5	351.0
180°	350.7	350.7	350.7	350.7



TEST NUMBER: P1427503

CATALOG NUMBER: SQ2W-BBM-K-025U-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	1.54	2.44	2.21	3.10	3.87	1.77	2.67	2.44	3.33	4.10
	3H	1.35	2.15	2.05	2.83	3.63	1.58	2.38	2.28	3.06	3.86
	4H	1.26	2.00	1.97	2.68	3.51	1.49	2.23	2.20	2.91	3.74
	6H	1.15	1.83	1.88	2.53	3.36	1.38	2.06	2.10	2.76	3.59
	8H	1.10	1.73	1.83	2.45	3.29	1.33	1.96	2.06	2.68	3.52
	12H	1.04	1.65	1.78	2.36	3.21	1.27	1.88	2.01	2.59	3.44
4H	2H	1.27	2.01	1.98	2.69	3.51	1.50	2.23	2.21	2.92	3.74
	3H	1.08	1.68	1.80	2.41	3.24	1.31	1.91	2.03	2.63	3.47
	4H	0.97	1.50	1.70	2.23	3.10	1.19	1.73	1.93	2.46	3.33
	6H	0.86	1.32	1.62	2.07	2.96	1.09	1.55	1.85	2.30	3.18
	8H	0.79	1.22	1.56	1.97	2.86	1.02	1.45	1.78	2.20	3.09
	12H	0.73	1.11	1.50	1.88	2.77	0.96	1.34	1.73	2.11	3.00
8H	4H	0.79	1.22	1.56	1.97	2.86	1.02	1.45	1.78	2.20	3.09
	6H	0.67	1.02	1.46	1.82	2.71	0.90	1.25	1.69	2.05	2.94
	8H	0.61	0.92	1.41	1.72	2.62	0.84	1.15	1.64	1.94	2.85
	12H	0.54	0.82	1.34	1.60	2.57	0.77	1.05	1.57	1.83	2.80
12H	4H	0.73	1.11	1.50	1.88	2.77	0.96	1.34	1.73	2.11	3.00
	6H	0.61	0.92	1.41	1.72	2.62	0.84	1.15	1.64	1.94	2.85
	8H	0.54	0.82	1.34	1.60	2.57	0.77	1.05	1.57	1.83	2.80