

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: P1427490

Luminaire Tested: SQ2W-BBM-0U-100D-L935-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1427490
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-0U-100D-L935-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 N/A - DIRECT ONLY
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

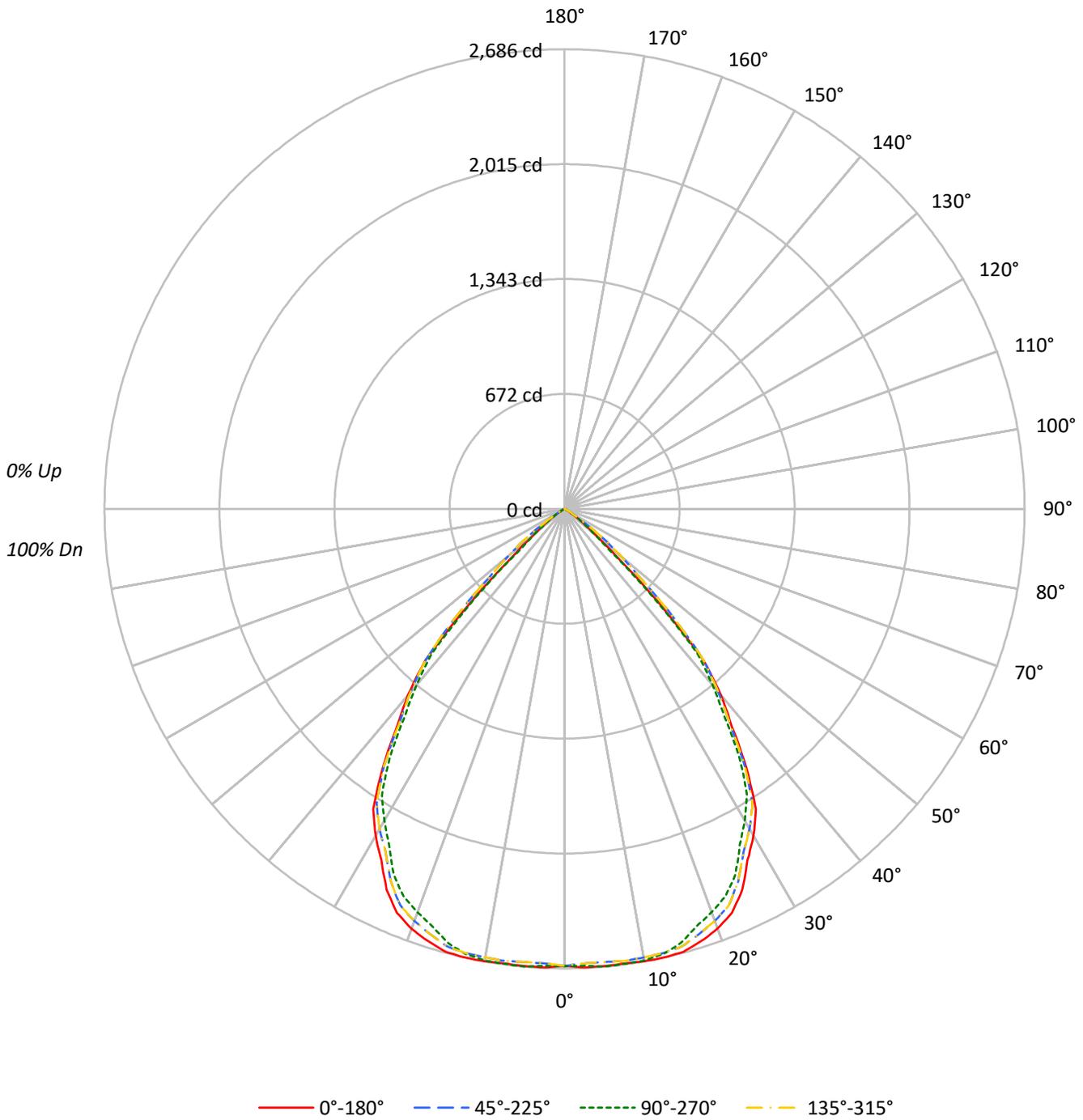
Lumens per Lamp: N/A
Luminaire Lumens: 3992.3 lumens
Efficiency: N/A
Efficacy: 104.8 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.17 / 1.16
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 38.1
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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CATALOG NUMBER: SQ2W-BBM-0U-100D-L935-UNV-STD-W-WM-4

Luminous Intensity Polar Plot





TEST NUMBER: P1427490

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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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92
2	106	101	96	93	104	99	95	92	96	92	90	93	90	88	90	88	86	84
3	100	93	87	83	98	91	86	82	89	84	81	86	82	79	84	81	78	76
4	94	85	79	74	92	84	78	74	82	77	73	80	76	72	78	74	71	70
5	88	79	72	67	86	78	72	67	76	70	66	74	69	66	72	68	65	63
6	83	73	66	61	81	72	66	61	70	65	60	69	64	60	67	63	60	58
7	78	67	61	56	76	67	60	56	65	60	55	64	59	55	63	58	55	53
8	73	63	56	51	72	62	56	51	61	55	51	60	54	51	59	54	50	49
9	69	58	52	47	68	58	51	47	57	51	47	56	50	47	55	50	46	45
10	65	54	48	43	64	54	48	43	53	47	43	52	47	43	51	47	43	42

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	43123	43123	43123	43123
5°	43461	43526	43461	43526
10°	44006	43941	44006	43941
15°	44800	43907	44800	43907
20°	44858	43112	44858	43112
25°	43749	42035	43749	42035
30°	41125	39207	41125	39207
35°	36501	35131	36501	35131
40°	29935	28329	29935	28329
45°	17846	16748	17846	16748
50°	5571	5270	5571	5270
55°	2106	2106	2106	2106
60°	129	42	129	42
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: 20895 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	255.4	6.4
10°-20°	748.1	18.7
20°-30°	1100.5	27.6
30°-40°	1124.8	28.2
40°-50°	648.0	16.2
50°-60°	111.5	2.8
60°-70°	4.0	0.1
70°-80°	0.0	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2104.0	52.7
0°-40°	3228.8	80.9
0°-60°	3988.3	99.9
0°-90°	3992.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3992.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2671	2671	2671	2671	2671	
5°	2682	2686	2682	2686	2682	256
15°	2680	2627	2680	2627	2680	755
25°	2456	2360	2456	2360	2456	1121
35°	1852	1782	1852	1782	1852	1144
45°	782	734	782	734	782	605
55°	75	75	75	75	75	79
65°	0	0	0	0	0	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	2670.9	2670.9	2670.9	2670.9	2670.9	2670.9	2670.9	2670.9	2670.9	2670.9	2670.9
2.5°	2682.6	2679.3	2676.0	2668.0	2658.5	2659.2	2670.2	2677.8	2675.4	2673.0	2675.4
5°	2681.6	2678.6	2675.6	2667.3	2657.2	2660.2	2676.2	2688.0	2686.8	2685.6	2686.8
7.5°	2680.0	2678.0	2675.9	2670.1	2663.0	2666.0	2679.2	2688.3	2685.3	2682.4	2685.3
10°	2684.2	2683.7	2683.1	2674.0	2662.1	2663.0	2676.7	2686.2	2683.2	2680.2	2683.2
12.5°	2686.4	2690.1	2693.8	2680.8	2662.2	2658.4	2669.2	2676.0	2670.6	2665.3	2670.6
15°	2680.2	2690.3	2700.4	2682.0	2654.1	2641.0	2642.8	2642.2	2634.5	2626.8	2634.5
17.5°	2650.3	2664.6	2678.8	2654.5	2617.3	2595.5	2588.9	2581.3	2570.4	2559.5	2570.4
20°	2610.8	2627.4	2644.0	2617.4	2576.5	2550.3	2539.1	2528.2	2518.7	2509.2	2518.7
22.5°	2555.2	2570.4	2585.6	2560.1	2521.0	2494.4	2480.3	2467.8	2460.2	2452.6	2460.2
25°	2455.8	2465.9	2476.0	2450.0	2412.0	2387.6	2376.9	2367.9	2363.7	2359.6	2363.7
27.5°	2314.9	2317.8	2320.6	2300.0	2271.5	2250.6	2237.3	2226.0	2220.6	2215.3	2220.6
30°	2205.9	2205.9	2205.9	2189.9	2168.5	2150.7	2136.4	2123.2	2113.1	2103.0	2113.1
32.5°	2078.7	2077.3	2075.9	2064.1	2048.9	2033.5	2017.8	2003.5	1993.4	1983.3	1993.4
35°	1851.9	1858.4	1864.9	1856.8	1843.7	1829.4	1814.0	1800.2	1791.3	1782.4	1791.3
37.5°	1606.3	1608.8	1611.3	1604.5	1594.6	1581.4	1564.8	1550.4	1542.9	1535.5	1542.9
40°	1420.3	1420.9	1421.5	1413.2	1401.9	1390.3	1378.4	1366.7	1355.4	1344.1	1355.4
42.5°	1203.3	1215.3	1227.3	1222.2	1211.4	1196.5	1177.5	1162.1	1157.4	1152.8	1157.4
45°	781.6	834.5	887.3	906.8	915.1	908.6	887.2	855.9	794.7	733.5	794.7
47.5°	392.8	458.6	524.4	570.0	608.8	597.8	536.8	475.0	410.2	345.5	410.2
50°	221.8	261.0	300.2	361.2	429.5	418.2	327.3	253.7	231.7	209.8	231.7
52.5°	148.0	165.4	182.7	231.9	291.6	287.7	220.1	166.3	153.8	141.4	153.8
55°	74.8	79.6	84.3	106.0	133.3	132.7	104.2	81.9	78.4	74.8	78.4
57.5°	25.4	31.8	38.2	47.8	58.5	58.8	48.7	39.7	33.9	28.1	33.9
60°	4.0	9.9	15.9	23.6	31.9	31.0	20.9	12.0	6.7	1.3	6.7
62.5°	0.8	2.5	4.1	10.4	18.3	18.1	9.9	3.4	1.8	0.3	1.8
65°	0.0	0.0	0.0	0.4	1.0	1.0	0.4	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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	2670.9	2670.9	2670.9	2670.9	2670.9	2670.9	2670.9	2670.9	2670.9	2670.9	2670.9
2.5°	2677.8	2670.2	2659.2	2658.5	2668.0	2676.0	2679.3	2682.6	2679.3	2676.0	2668.0
5°	2688.0	2676.2	2660.2	2657.2	2667.3	2675.6	2678.6	2681.6	2678.6	2675.6	2667.3
7.5°	2688.3	2679.2	2666.0	2663.0	2670.1	2675.9	2678.0	2680.0	2678.0	2675.9	2670.1
10°	2686.2	2676.7	2663.0	2662.1	2674.0	2683.1	2683.7	2684.2	2683.7	2683.1	2674.0
12.5°	2676.0	2669.2	2658.4	2662.2	2680.8	2693.8	2690.1	2686.4	2690.1	2693.8	2680.8
15°	2642.2	2642.8	2641.0	2654.1	2682.0	2700.4	2690.3	2680.2	2690.3	2700.4	2682.0
17.5°	2581.3	2588.9	2595.5	2617.3	2654.5	2678.8	2664.6	2650.3	2664.6	2678.8	2654.5
20°	2528.2	2539.1	2550.3	2576.5	2617.4	2644.0	2627.4	2610.8	2627.4	2644.0	2617.4
22.5°	2467.8	2480.3	2494.4	2521.0	2560.1	2585.6	2570.4	2555.2	2570.4	2585.6	2560.1
25°	2367.9	2376.9	2387.6	2412.0	2450.0	2476.0	2465.9	2455.8	2465.9	2476.0	2450.0
27.5°	2226.0	2237.3	2250.6	2271.5	2300.0	2320.6	2317.8	2314.9	2317.8	2320.6	2300.0
30°	2123.2	2136.4	2150.7	2168.5	2189.9	2205.9	2205.9	2205.9	2205.9	2205.9	2189.9
32.5°	2003.5	2017.8	2033.5	2048.9	2064.1	2075.9	2077.3	2078.7	2077.3	2075.9	2064.1
35°	1800.2	1814.0	1829.4	1843.7	1856.8	1864.9	1858.4	1851.9	1858.4	1864.9	1856.8
37.5°	1550.4	1564.8	1581.4	1594.6	1604.5	1611.3	1608.8	1606.3	1608.8	1611.3	1604.5
40°	1366.7	1378.4	1390.3	1401.9	1413.2	1421.5	1420.9	1420.3	1420.9	1421.5	1413.2
42.5°	1162.1	1177.5	1196.5	1211.4	1222.2	1227.3	1215.3	1203.3	1215.3	1227.3	1222.2
45°	855.9	887.2	908.6	915.1	906.8	887.3	834.5	781.6	834.5	887.3	906.8
47.5°	475.0	536.8	597.8	608.8	570.0	524.4	458.6	392.8	458.6	524.4	570.0
50°	253.7	327.3	418.2	429.5	361.2	300.2	261.0	221.8	261.0	300.2	361.2
52.5°	166.3	220.1	287.7	291.6	231.9	182.7	165.4	148.0	165.4	182.7	231.9
55°	81.9	104.2	132.7	133.3	106.0	84.3	79.6	74.8	79.6	84.3	106.0
57.5°	39.7	48.7	58.8	58.5	47.8	38.2	31.8	25.4	31.8	38.2	47.8
60°	12.0	20.9	31.0	31.9	23.6	15.9	9.9	4.0	9.9	15.9	23.6
62.5°	3.4	9.9	18.1	18.3	10.4	4.1	2.5	0.8	2.5	4.1	10.4
65°	0.0	0.4	1.0	1.0	0.4	0.0	0.0	0.0	0.0	0.0	0.4
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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2670.9	2670.9	2670.9	2670.9	2670.9	2670.9	2670.9	2670.9	2670.9	2670.9	2670.9
2.5°	2658.5	2659.2	2670.2	2677.8	2675.4	2673.0	2675.4	2677.8	2670.2	2659.2	2658.5
5°	2657.2	2660.2	2676.2	2688.0	2686.8	2685.6	2686.8	2688.0	2676.2	2660.2	2657.2
7.5°	2663.0	2666.0	2679.2	2688.3	2685.3	2682.4	2685.3	2688.3	2679.2	2666.0	2663.0
10°	2662.1	2663.0	2676.7	2686.2	2683.2	2680.2	2683.2	2686.2	2676.7	2663.0	2662.1
12.5°	2662.2	2658.4	2669.2	2676.0	2670.6	2665.3	2670.6	2676.0	2669.2	2658.4	2662.2
15°	2654.1	2641.0	2642.8	2642.2	2634.5	2626.8	2634.5	2642.2	2642.8	2641.0	2654.1
17.5°	2617.3	2595.5	2588.9	2581.3	2570.4	2559.5	2570.4	2581.3	2588.9	2595.5	2617.3
20°	2576.5	2550.3	2539.1	2528.2	2518.7	2509.2	2518.7	2528.2	2539.1	2550.3	2576.5
22.5°	2521.0	2494.4	2480.3	2467.8	2460.2	2452.6	2460.2	2467.8	2480.3	2494.4	2521.0
25°	2412.0	2387.6	2376.9	2367.9	2363.7	2359.6	2363.7	2367.9	2376.9	2387.6	2412.0
27.5°	2271.5	2250.6	2237.3	2226.0	2220.6	2215.3	2220.6	2226.0	2237.3	2250.6	2271.5
30°	2168.5	2150.7	2136.4	2123.2	2113.1	2103.0	2113.1	2123.2	2136.4	2150.7	2168.5
32.5°	2048.9	2033.5	2017.8	2003.5	1993.4	1983.3	1993.4	2003.5	2017.8	2033.5	2048.9
35°	1843.7	1829.4	1814.0	1800.2	1791.3	1782.4	1791.3	1800.2	1814.0	1829.4	1843.7
37.5°	1594.6	1581.4	1564.8	1550.4	1542.9	1535.5	1542.9	1550.4	1564.8	1581.4	1594.6
40°	1401.9	1390.3	1378.4	1366.7	1355.4	1344.1	1355.4	1366.7	1378.4	1390.3	1401.9
42.5°	1211.4	1196.5	1177.5	1162.1	1157.4	1152.8	1157.4	1162.1	1177.5	1196.5	1211.4
45°	915.1	908.6	887.2	855.9	794.7	733.5	794.7	855.9	887.2	908.6	915.1
47.5°	608.8	597.8	536.8	475.0	410.2	345.5	410.2	475.0	536.8	597.8	608.8
50°	429.5	418.2	327.3	253.7	231.7	209.8	231.7	253.7	327.3	418.2	429.5
52.5°	291.6	287.7	220.1	166.3	153.8	141.4	153.8	166.3	220.1	287.7	291.6
55°	133.3	132.7	104.2	81.9	78.4	74.8	78.4	81.9	104.2	132.7	133.3
57.5°	58.5	58.8	48.7	39.7	33.9	28.1	33.9	39.7	48.7	58.8	58.5
60°	31.9	31.0	20.9	12.0	6.7	1.3	6.7	12.0	20.9	31.0	31.9
62.5°	18.3	18.1	9.9	3.4	1.8	0.3	1.8	3.4	9.9	18.1	18.3
65°	1.0	1.0	0.4	0.0	0.0	0.0	0.0	0.4	1.0	1.0	1.0
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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1427490

CATALOG NUMBER: SQ2W-BBM-0U-100D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	2670.9	2670.9	2670.9	2670.9
2.5°	2668.0	2676.0	2679.3	2682.6
5°	2667.3	2675.6	2678.6	2681.6
7.5°	2670.1	2675.9	2678.0	2680.0
10°	2674.0	2683.1	2683.7	2684.2
12.5°	2680.8	2693.8	2690.1	2686.4
15°	2682.0	2700.4	2690.3	2680.2
17.5°	2654.5	2678.8	2664.6	2650.3
20°	2617.4	2644.0	2627.4	2610.8
22.5°	2560.1	2585.6	2570.4	2555.2
25°	2450.0	2476.0	2465.9	2455.8
27.5°	2300.0	2320.6	2317.8	2314.9
30°	2189.9	2205.9	2205.9	2205.9
32.5°	2064.1	2075.9	2077.3	2078.7
35°	1856.8	1864.9	1858.4	1851.9
37.5°	1604.5	1611.3	1608.8	1606.3
40°	1413.2	1421.5	1420.9	1420.3
42.5°	1222.2	1227.3	1215.3	1203.3
45°	906.8	887.3	834.5	781.6
47.5°	570.0	524.4	458.6	392.8
50°	361.2	300.2	261.0	221.8
52.5°	231.9	182.7	165.4	148.0
55°	106.0	84.3	79.6	74.8
57.5°	47.8	38.2	31.8	25.4
60°	23.6	15.9	9.9	4.0
62.5°	10.4	4.1	2.5	0.8
65°	0.4	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°	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0



TEST NUMBER: P1427490
 CATALOG NUMBER: SQ2W-BBM-0U-100D-L935-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	2.93	4.06	3.30	4.37	4.69	3.16	4.29	3.53	4.60	4.92
	3H	2.76	3.75	3.15	4.09	4.45	2.99	3.98	3.37	4.31	4.68
	4H	2.68	3.59	3.08	3.94	4.33	2.90	3.82	3.31	4.17	4.56
	6H	2.58	3.41	3.00	3.79	4.18	2.81	3.64	3.22	4.02	4.41
	8H	2.53	3.31	2.96	3.70	4.11	2.76	3.54	3.19	3.93	4.34
	12H	2.47	3.22	2.91	3.61	4.04	2.70	3.45	3.14	3.84	4.27
4H	2H	2.68	3.60	3.09	3.95	4.34	2.91	3.83	3.32	4.18	4.57
	3H	2.51	3.24	2.92	3.65	4.06	2.74	3.47	3.15	3.88	4.28
	4H	2.40	3.05	2.84	3.47	3.92	2.63	3.28	3.07	3.70	4.15
	6H	2.30	2.86	2.77	3.31	3.78	2.53	3.08	3.00	3.53	4.01
	8H	2.23	2.75	2.71	3.20	3.68	2.46	2.98	2.93	3.43	3.90
	12H	2.17	2.63	2.66	3.11	3.59	2.40	2.85	2.89	3.34	3.82
8H	4H	2.23	2.75	2.71	3.20	3.68	2.46	2.98	2.93	3.43	3.90
	6H	2.11	2.53	2.62	3.03	3.52	2.34	2.76	2.84	3.26	3.74
	8H	2.04	2.41	2.56	2.93	3.43	2.26	2.64	2.79	3.16	3.66
	12H	1.98	2.31	2.50	2.81	3.39	2.21	2.54	2.73	3.04	3.62
12H	4H	2.17	2.63	2.66	3.11	3.59	2.40	2.85	2.89	3.34	3.82
	6H	2.04	2.41	2.57	2.93	3.43	2.26	2.64	2.79	3.16	3.66
	8H	1.98	2.31	2.50	2.81	3.39	2.21	2.54	2.73	3.04	3.62