

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: P1427489

Luminaire Tested: SQ2W-BBM-0U-100D-L930-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1427489  
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-L930-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: 3000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

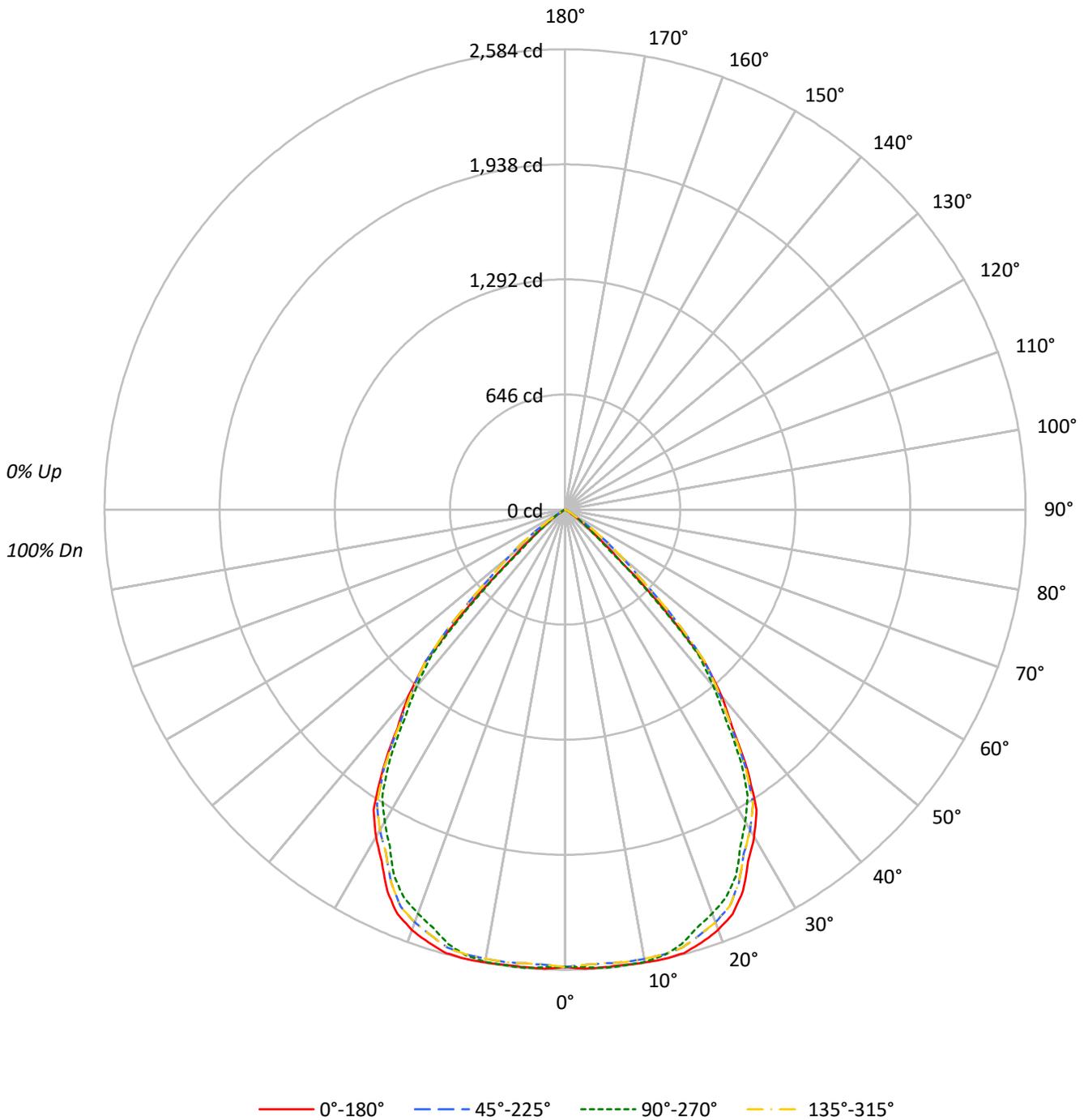
Lumens per Lamp: N/A  
Luminaire Lumens: 3839.8 lumens  
Efficiency: N/A  
Efficacy: 100.8 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.17 / 1.16  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 38.1  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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

TEST NUMBER: P1427489

CATALOG NUMBER: SQ2W-BBM-0U-100D-L930-UNV-STD-W-WM-4

### 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	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°	41476	41476	41476	41476
5°	41800	41863	41800	41863
10°	42326	42262	42326	42262
15°	43088	42229	43088	42229
20°	43143	41466	43143	41466
25°	42078	40429	42078	40429
30°	39554	37710	39554	37710
35°	35106	33789	35106	33789
40°	28791	27248	28791	27248
45°	17166	16109	17166	16109
50°	5358	5069	5358	5069
55°	2027	2027	2027	2027
60°	126	42	126	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: 20096 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	245.6	6.4
10°-20°	719.5	18.7
20°-30°	1058.5	27.6
30°-40°	1081.9	28.2
40°-50°	623.2	16.2
50°-60°	107.3	2.8
60°-70°	3.9	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°	2023.6	52.7
0°-40°	3105.5	80.9
0°-60°	3835.9	99.9
0°-90°	3839.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3839.8	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2569	2569	2569	2569	2569	
5°	2579	2583	2579	2583	2579	246
15°	2578	2526	2578	2526	2578	726
25°	2362	2269	2362	2269	2362	1078
35°	1781	1714	1781	1714	1781	1100
45°	752	706	752	706	752	582
55°	72	72	72	72	72	76
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°	2568.9	2568.9	2568.9	2568.9	2568.9	2568.9	2568.9	2568.9	2568.9	2568.9	2568.9
2.5°	2580.2	2577.0	2573.8	2566.1	2557.0	2557.7	2568.2	2575.5	2573.2	2570.9	2573.2
5°	2579.1	2576.3	2573.4	2565.4	2555.7	2558.6	2574.0	2585.3	2584.1	2583.0	2584.1
7.5°	2577.6	2575.7	2573.7	2568.1	2561.2	2564.1	2576.8	2585.6	2582.8	2579.9	2582.8
10°	2581.7	2581.1	2580.6	2571.9	2560.4	2561.3	2574.4	2583.6	2580.7	2577.8	2580.7
12.5°	2583.8	2587.3	2590.8	2578.4	2560.5	2556.8	2567.2	2573.7	2568.6	2563.5	2568.6
15°	2577.8	2587.6	2597.3	2579.6	2552.7	2540.2	2541.9	2541.3	2533.9	2526.4	2533.9
17.5°	2549.1	2562.8	2576.5	2553.1	2517.3	2496.3	2490.0	2482.7	2472.2	2461.7	2472.2
20°	2511.0	2527.0	2543.0	2517.5	2478.0	2452.9	2442.1	2431.6	2422.5	2413.4	2422.5
22.5°	2457.6	2472.2	2486.8	2462.3	2424.7	2399.1	2385.5	2373.5	2366.2	2358.9	2366.2
25°	2362.0	2371.7	2381.4	2356.4	2319.8	2296.4	2286.1	2277.4	2273.4	2269.4	2273.4
27.5°	2226.5	2229.3	2232.0	2212.1	2184.7	2164.6	2151.8	2140.9	2135.8	2130.6	2135.8
30°	2121.6	2121.6	2121.6	2106.2	2085.7	2068.5	2054.8	2042.1	2032.4	2022.7	2032.4
32.5°	1999.3	1997.9	1996.6	1985.3	1970.6	1955.8	1940.7	1927.0	1917.3	1907.6	1917.3
35°	1781.1	1787.4	1793.7	1785.8	1773.3	1759.5	1744.7	1731.4	1722.8	1714.3	1722.8
37.5°	1544.9	1547.3	1549.7	1543.2	1533.7	1521.0	1505.0	1491.2	1484.0	1476.8	1484.0
40°	1366.0	1366.6	1367.2	1359.2	1348.3	1337.2	1325.8	1314.5	1303.6	1292.8	1303.6
42.5°	1157.3	1168.9	1180.4	1175.5	1165.1	1150.8	1132.5	1117.7	1113.2	1108.8	1113.2
45°	751.8	802.6	853.4	872.1	880.1	873.8	853.3	823.2	764.3	705.5	764.3
47.5°	377.8	441.1	504.4	548.2	585.6	574.9	516.3	456.8	394.6	332.3	394.6
50°	213.3	251.0	288.7	347.4	413.1	402.2	314.8	244.0	222.9	201.8	222.9
52.5°	142.4	159.1	175.7	223.0	280.5	276.7	211.7	159.9	148.0	136.0	148.0
55°	72.0	76.5	81.1	101.9	128.2	127.7	100.2	78.8	75.4	72.0	75.4
57.5°	24.4	30.6	36.8	46.0	56.3	56.6	46.9	38.2	32.6	27.0	32.6
60°	3.9	9.6	15.3	22.7	30.7	29.8	20.1	11.6	6.4	1.3	6.4
62.5°	0.8	2.4	4.0	10.0	17.6	17.4	9.5	3.2	1.7	0.3	1.7
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°	2568.9	2568.9	2568.9	2568.9	2568.9	2568.9	2568.9	2568.9	2568.9	2568.9	2568.9
2.5°	2575.5	2568.2	2557.7	2557.0	2566.1	2573.8	2577.0	2580.2	2577.0	2573.8	2566.1
5°	2585.3	2574.0	2558.6	2555.7	2565.4	2573.4	2576.3	2579.1	2576.3	2573.4	2565.4
7.5°	2585.6	2576.8	2564.1	2561.2	2568.1	2573.7	2575.7	2577.6	2575.7	2573.7	2568.1
10°	2583.6	2574.4	2561.3	2560.4	2571.9	2580.6	2581.1	2581.7	2581.1	2580.6	2571.9
12.5°	2573.7	2567.2	2556.8	2560.5	2578.4	2590.8	2587.3	2583.8	2587.3	2590.8	2578.4
15°	2541.3	2541.9	2540.2	2552.7	2579.6	2597.3	2587.6	2577.8	2587.6	2597.3	2579.6
17.5°	2482.7	2490.0	2496.3	2517.3	2553.1	2576.5	2562.8	2549.1	2562.8	2576.5	2553.1
20°	2431.6	2442.1	2452.9	2478.0	2517.5	2543.0	2527.0	2511.0	2527.0	2543.0	2517.5
22.5°	2373.5	2385.5	2399.1	2424.7	2462.3	2486.8	2472.2	2457.6	2472.2	2486.8	2462.3
25°	2277.4	2286.1	2296.4	2319.8	2356.4	2381.4	2371.7	2362.0	2371.7	2381.4	2356.4
27.5°	2140.9	2151.8	2164.6	2184.7	2212.1	2232.0	2229.3	2226.5	2229.3	2232.0	2212.1
30°	2042.1	2054.8	2068.5	2085.7	2106.2	2121.6	2121.6	2121.6	2121.6	2121.6	2106.2
32.5°	1927.0	1940.7	1955.8	1970.6	1985.3	1996.6	1997.9	1999.3	1997.9	1996.6	1985.3
35°	1731.4	1744.7	1759.5	1773.3	1785.8	1793.7	1787.4	1781.1	1787.4	1793.7	1785.8
37.5°	1491.2	1505.0	1521.0	1533.7	1543.2	1549.7	1547.3	1544.9	1547.3	1549.7	1543.2
40°	1314.5	1325.8	1337.2	1348.3	1359.2	1367.2	1366.6	1366.0	1366.6	1367.2	1359.2
42.5°	1117.7	1132.5	1150.8	1165.1	1175.5	1180.4	1168.9	1157.3	1168.9	1180.4	1175.5
45°	823.2	853.3	873.8	880.1	872.1	853.4	802.6	751.8	802.6	853.4	872.1
47.5°	456.8	516.3	574.9	585.6	548.2	504.4	441.1	377.8	441.1	504.4	548.2
50°	244.0	314.8	402.2	413.1	347.4	288.7	251.0	213.3	251.0	288.7	347.4
52.5°	159.9	211.7	276.7	280.5	223.0	175.7	159.1	142.4	159.1	175.7	223.0
55°	78.8	100.2	127.7	128.2	101.9	81.1	76.5	72.0	76.5	81.1	101.9
57.5°	38.2	46.9	56.6	56.3	46.0	36.8	30.6	24.4	30.6	36.8	46.0
60°	11.6	20.1	29.8	30.7	22.7	15.3	9.6	3.9	9.6	15.3	22.7
62.5°	3.2	9.5	17.4	17.6	10.0	4.0	2.4	0.8	2.4	4.0	10.0
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°	2568.9	2568.9	2568.9	2568.9	2568.9	2568.9	2568.9	2568.9	2568.9	2568.9	2568.9
2.5°	2557.0	2557.7	2568.2	2575.5	2573.2	2570.9	2573.2	2575.5	2568.2	2557.7	2557.0
5°	2555.7	2558.6	2574.0	2585.3	2584.1	2583.0	2584.1	2585.3	2574.0	2558.6	2555.7
7.5°	2561.2	2564.1	2576.8	2585.6	2582.8	2579.9	2582.8	2585.6	2576.8	2564.1	2561.2
10°	2560.4	2561.3	2574.4	2583.6	2580.7	2577.8	2580.7	2583.6	2574.4	2561.3	2560.4
12.5°	2560.5	2556.8	2567.2	2573.7	2568.6	2563.5	2568.6	2573.7	2567.2	2556.8	2560.5
15°	2552.7	2540.2	2541.9	2541.3	2533.9	2526.4	2533.9	2541.3	2541.9	2540.2	2552.7
17.5°	2517.3	2496.3	2490.0	2482.7	2472.2	2461.7	2472.2	2482.7	2490.0	2496.3	2517.3
20°	2478.0	2452.9	2442.1	2431.6	2422.5	2413.4	2422.5	2431.6	2442.1	2452.9	2478.0
22.5°	2424.7	2399.1	2385.5	2373.5	2366.2	2358.9	2366.2	2373.5	2385.5	2399.1	2424.7
25°	2319.8	2296.4	2286.1	2277.4	2273.4	2269.4	2273.4	2277.4	2286.1	2296.4	2319.8
27.5°	2184.7	2164.6	2151.8	2140.9	2135.8	2130.6	2135.8	2140.9	2151.8	2164.6	2184.7
30°	2085.7	2068.5	2054.8	2042.1	2032.4	2022.7	2032.4	2042.1	2054.8	2068.5	2085.7
32.5°	1970.6	1955.8	1940.7	1927.0	1917.3	1907.6	1917.3	1927.0	1940.7	1955.8	1970.6
35°	1773.3	1759.5	1744.7	1731.4	1722.8	1714.3	1722.8	1731.4	1744.7	1759.5	1773.3
37.5°	1533.7	1521.0	1505.0	1491.2	1484.0	1476.8	1484.0	1491.2	1505.0	1521.0	1533.7
40°	1348.3	1337.2	1325.8	1314.5	1303.6	1292.8	1303.6	1314.5	1325.8	1337.2	1348.3
42.5°	1165.1	1150.8	1132.5	1117.7	1113.2	1108.8	1113.2	1117.7	1132.5	1150.8	1165.1
45°	880.1	873.8	853.3	823.2	764.3	705.5	764.3	823.2	853.3	873.8	880.1
47.5°	585.6	574.9	516.3	456.8	394.6	332.3	394.6	456.8	516.3	574.9	585.6
50°	413.1	402.2	314.8	244.0	222.9	201.8	222.9	244.0	314.8	402.2	413.1
52.5°	280.5	276.7	211.7	159.9	148.0	136.0	148.0	159.9	211.7	276.7	280.5
55°	128.2	127.7	100.2	78.8	75.4	72.0	75.4	78.8	100.2	127.7	128.2
57.5°	56.3	56.6	46.9	38.2	32.6	27.0	32.6	38.2	46.9	56.6	56.3
60°	30.7	29.8	20.1	11.6	6.4	1.3	6.4	11.6	20.1	29.8	30.7
62.5°	17.6	17.4	9.5	3.2	1.7	0.3	1.7	3.2	9.5	17.4	17.6
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: P1427489

CATALOG NUMBER: SQ2W-BBM-0U-100D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	2568.9	2568.9	2568.9	2568.9
2.5°	2566.1	2573.8	2577.0	2580.2
5°	2565.4	2573.4	2576.3	2579.1
7.5°	2568.1	2573.7	2575.7	2577.6
10°	2571.9	2580.6	2581.1	2581.7
12.5°	2578.4	2590.8	2587.3	2583.8
15°	2579.6	2597.3	2587.6	2577.8
17.5°	2553.1	2576.5	2562.8	2549.1
20°	2517.5	2543.0	2527.0	2511.0
22.5°	2462.3	2486.8	2472.2	2457.6
25°	2356.4	2381.4	2371.7	2362.0
27.5°	2212.1	2232.0	2229.3	2226.5
30°	2106.2	2121.6	2121.6	2121.6
32.5°	1985.3	1996.6	1997.9	1999.3
35°	1785.8	1793.7	1787.4	1781.1
37.5°	1543.2	1549.7	1547.3	1544.9
40°	1359.2	1367.2	1366.6	1366.0
42.5°	1175.5	1180.4	1168.9	1157.3
45°	872.1	853.4	802.6	751.8
47.5°	548.2	504.4	441.1	377.8
50°	347.4	288.7	251.0	213.3
52.5°	223.0	175.7	159.1	142.4
55°	101.9	81.1	76.5	72.0
57.5°	46.0	36.8	30.6	24.4
60°	22.7	15.3	9.6	3.9
62.5°	10.0	4.0	2.4	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: P1427489  
 CATALOG NUMBER: SQ2W-BBM-0U-100D-L930-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	2.81	3.94	3.17	4.25	4.57	3.03	4.16	3.39	4.47	4.79
	3H	2.64	3.63	3.02	3.96	4.33	2.86	3.85	3.24	4.18	4.55
	4H	2.55	3.46	2.96	3.82	4.20	2.77	3.69	3.18	4.04	4.43
	6H	2.45	3.29	2.87	3.66	4.06	2.67	3.51	3.09	3.88	4.28
	8H	2.40	3.19	2.84	3.58	3.99	2.62	3.41	3.06	3.80	4.21
	12H	2.35	3.10	2.78	3.48	3.91	2.57	3.32	3.00	3.70	4.13
4H	2H	2.56	3.47	2.97	3.83	4.21	2.78	3.69	3.19	4.05	4.43
	3H	2.38	3.12	2.80	3.53	3.93	2.60	3.34	3.02	3.75	4.15
	4H	2.28	2.93	2.71	3.35	3.80	2.50	3.15	2.93	3.57	4.02
	6H	2.17	2.73	2.64	3.18	3.65	2.40	2.95	2.86	3.40	3.87
	8H	2.11	2.63	2.58	3.08	3.55	2.33	2.85	2.80	3.30	3.77
	12H	2.05	2.50	2.54	2.99	3.46	2.27	2.72	2.76	3.21	3.68
8H	4H	2.11	2.63	2.58	3.08	3.55	2.33	2.85	2.80	3.30	3.77
	6H	1.98	2.41	2.49	2.91	3.39	2.21	2.63	2.71	3.13	3.61
	8H	1.91	2.29	2.44	2.81	3.31	2.13	2.51	2.66	3.03	3.53
	12H	1.85	2.19	2.37	2.69	3.26	2.07	2.41	2.59	2.91	3.48
12H	4H	2.05	2.50	2.54	2.99	3.46	2.27	2.72	2.76	3.21	3.68
	6H	1.91	2.29	2.44	2.81	3.31	2.13	2.51	2.66	3.03	3.53
	8H	1.85	2.19	2.37	2.69	3.26	2.07	2.41	2.59	2.91	3.48