

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: P1427492

Luminaire Tested: SQ2W-BBM-0U-125D-L930-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1427492  
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-125D-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 1250 LUMENS PER FOOT  
UPLIGHT N/A - DIRECT ONLY  
Light Source: 3000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

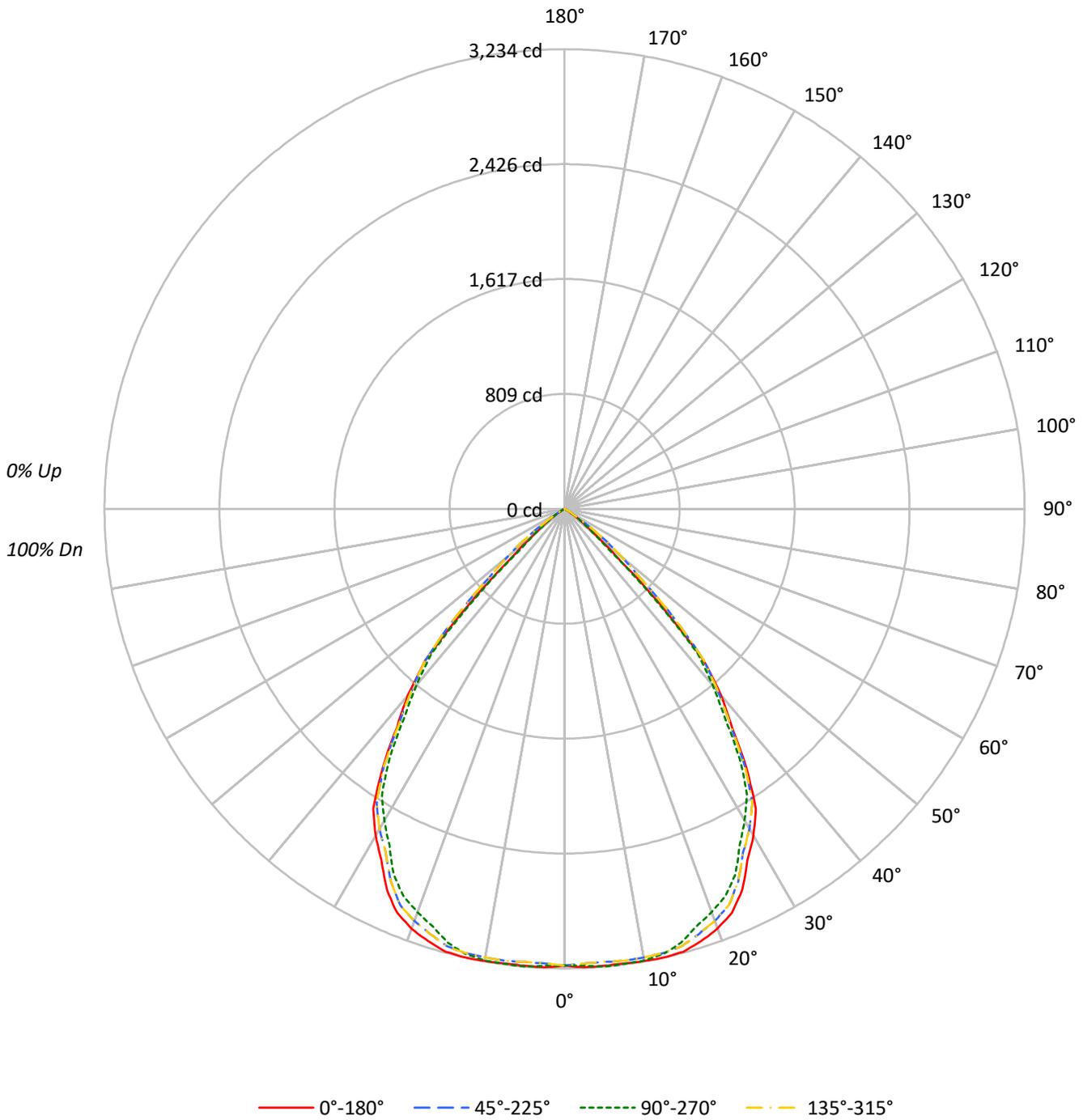
Lumens per Lamp: N/A  
Luminaire Lumens: 4805.7 lumens  
Efficiency: N/A  
Efficacy: 96.5 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.17 / 1.16  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 49.8  
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

TEST NUMBER: P1427492

CATALOG NUMBER: SQ2W-BBM-0U-125D-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°	51908	51908	51908	51908
5°	52315	52393	52315	52393
10°	52973	52894	52973	52894
15°	53928	52853	53928	52853
20°	53997	51896	53997	51896
25°	52662	50599	52662	50599
30°	49503	47195	49503	47195
35°	43936	42288	43936	42288
40°	36032	34102	36032	34102
45°	21484	20162	21484	20162
50°	6707	6342	6707	6342
55°	2536	2536	2536	2536
60°	155	52	155	52
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: 25151 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	307.4	6.4
10°-20°	900.5	18.7
20°-30°	1324.8	27.6
30°-40°	1354.0	28.2
40°-50°	780.0	16.2
50°-60°	134.2	2.8
60°-70°	4.8	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°	2532.6	52.7
0°-40°	3886.6	80.9
0°-60°	4800.9	99.9
0°-90°	4805.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4805.7	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3215	3215	3215	3215	3215	
5°	3228	3233	3228	3233	3228	308
15°	3226	3162	3226	3162	3226	908
25°	2956	2840	2956	2840	2956	1349
35°	2229	2146	2229	2146	2229	1377
45°	941	883	941	883	941	728
55°	90	90	90	90	90	95
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°	3215.0	3215.0	3215.0	3215.0	3215.0	3215.0	3215.0	3215.0	3215.0	3215.0	3215.0
2.5°	3229.2	3225.2	3221.2	3211.6	3200.2	3201.0	3214.2	3223.3	3220.5	3217.6	3220.5
5°	3227.9	3224.3	3220.8	3210.7	3198.6	3202.2	3221.5	3235.6	3234.2	3232.7	3234.2
7.5°	3226.0	3223.5	3221.1	3214.1	3205.5	3209.1	3225.0	3236.0	3232.4	3228.9	3232.4
10°	3231.1	3230.4	3229.7	3218.8	3204.5	3205.6	3222.0	3233.4	3229.9	3226.3	3229.9
12.5°	3233.7	3238.1	3242.6	3226.9	3204.6	3200.0	3213.0	3221.1	3214.7	3208.3	3214.7
15°	3226.3	3238.4	3250.6	3228.4	3194.8	3179.1	3181.3	3180.5	3171.3	3162.0	3171.3
17.5°	3190.3	3207.4	3224.6	3195.3	3150.6	3124.3	3116.4	3107.2	3094.1	3080.9	3094.1
20°	3142.7	3162.7	3182.7	3150.7	3101.4	3069.9	3056.3	3043.3	3031.9	3020.4	3031.9
22.5°	3075.8	3094.1	3112.4	3081.7	3034.6	3002.6	2985.6	2970.5	2961.4	2952.2	2961.4
25°	2956.1	2968.2	2980.4	2949.1	2903.4	2874.1	2861.2	2850.3	2845.3	2840.3	2845.3
27.5°	2786.6	2790.0	2793.4	2768.6	2734.3	2709.1	2693.1	2679.5	2673.0	2666.6	2673.0
30°	2655.3	2655.3	2655.3	2636.0	2610.3	2588.9	2571.7	2555.8	2543.7	2531.5	2543.7
32.5°	2502.2	2500.5	2498.8	2484.6	2466.3	2447.8	2428.9	2411.7	2399.5	2387.4	2399.5
35°	2229.1	2237.0	2244.9	2235.0	2219.3	2202.2	2183.6	2166.9	2156.2	2145.5	2156.2
37.5°	1933.5	1936.5	1939.5	1931.4	1919.5	1903.6	1883.6	1866.3	1857.3	1848.3	1857.3
40°	1709.6	1710.4	1711.1	1701.1	1687.5	1673.5	1659.3	1645.1	1631.6	1618.0	1631.6
42.5°	1448.5	1462.9	1477.3	1471.2	1458.2	1440.2	1417.4	1398.8	1393.2	1387.7	1393.2
45°	940.9	1004.5	1068.1	1091.5	1101.5	1093.7	1067.9	1030.2	956.6	883.0	956.6
47.5°	472.8	552.0	631.2	686.1	732.9	719.6	646.2	571.7	493.8	415.9	493.8
50°	267.0	314.2	361.3	434.8	517.0	503.4	394.0	305.4	279.0	252.5	279.0
52.5°	178.2	199.1	219.9	279.1	351.0	346.3	264.9	200.2	185.2	170.2	185.2
55°	90.1	95.8	101.5	127.6	160.5	159.8	125.4	98.6	94.4	90.1	94.4
57.5°	30.6	38.3	46.0	57.6	70.4	70.8	58.7	47.8	40.8	33.8	40.8
60°	4.8	12.0	19.1	28.4	38.4	37.3	25.2	14.5	8.0	1.6	8.0
62.5°	1.0	3.0	5.0	12.5	22.0	21.8	11.9	4.0	2.2	0.3	2.2
65°	0.0	0.0	0.0	0.5	1.3	1.3	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°	0.0	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°	3215.0	3215.0	3215.0	3215.0	3215.0	3215.0	3215.0	3215.0	3215.0	3215.0	3215.0
2.5°	3223.3	3214.2	3201.0	3200.2	3211.6	3221.2	3225.2	3229.2	3225.2	3221.2	3211.6
5°	3235.6	3221.5	3202.2	3198.6	3210.7	3220.8	3224.3	3227.9	3224.3	3220.8	3210.7
7.5°	3236.0	3225.0	3209.1	3205.5	3214.1	3221.1	3223.5	3226.0	3223.5	3221.1	3214.1
10°	3233.4	3222.0	3205.6	3204.5	3218.8	3229.7	3230.4	3231.1	3230.4	3229.7	3218.8
12.5°	3221.1	3213.0	3200.0	3204.6	3226.9	3242.6	3238.1	3233.7	3238.1	3242.6	3226.9
15°	3180.5	3181.3	3179.1	3194.8	3228.4	3250.6	3238.4	3226.3	3238.4	3250.6	3228.4
17.5°	3107.2	3116.4	3124.3	3150.6	3195.3	3224.6	3207.4	3190.3	3207.4	3224.6	3195.3
20°	3043.3	3056.3	3069.9	3101.4	3150.7	3182.7	3162.7	3142.7	3162.7	3182.7	3150.7
22.5°	2970.5	2985.6	3002.6	3034.6	3081.7	3112.4	3094.1	3075.8	3094.1	3112.4	3081.7
25°	2850.3	2861.2	2874.1	2903.4	2949.1	2980.4	2968.2	2956.1	2968.2	2980.4	2949.1
27.5°	2679.5	2693.1	2709.1	2734.3	2768.6	2793.4	2790.0	2786.6	2790.0	2793.4	2768.6
30°	2555.8	2571.7	2588.9	2610.3	2636.0	2655.3	2655.3	2655.3	2655.3	2655.3	2636.0
32.5°	2411.7	2428.9	2447.8	2466.3	2484.6	2498.8	2500.5	2502.2	2500.5	2498.8	2484.6
35°	2166.9	2183.6	2202.2	2219.3	2235.0	2244.9	2237.0	2229.1	2237.0	2244.9	2235.0
37.5°	1866.3	1883.6	1903.6	1919.5	1931.4	1939.5	1936.5	1933.5	1936.5	1939.5	1931.4
40°	1645.1	1659.3	1673.5	1687.5	1701.1	1711.1	1710.4	1709.6	1710.4	1711.1	1701.1
42.5°	1398.8	1417.4	1440.2	1458.2	1471.2	1477.3	1462.9	1448.5	1462.9	1477.3	1471.2
45°	1030.2	1067.9	1093.7	1101.5	1091.5	1068.1	1004.5	940.9	1004.5	1068.1	1091.5
47.5°	571.7	646.2	719.6	732.9	686.1	631.2	552.0	472.8	552.0	631.2	686.1
50°	305.4	394.0	503.4	517.0	434.8	361.3	314.2	267.0	314.2	361.3	434.8
52.5°	200.2	264.9	346.3	351.0	279.1	219.9	199.1	178.2	199.1	219.9	279.1
55°	98.6	125.4	159.8	160.5	127.6	101.5	95.8	90.1	95.8	101.5	127.6
57.5°	47.8	58.7	70.8	70.4	57.6	46.0	38.3	30.6	38.3	46.0	57.6
60°	14.5	25.2	37.3	38.4	28.4	19.1	12.0	4.8	12.0	19.1	28.4
62.5°	4.0	11.9	21.8	22.0	12.5	5.0	3.0	1.0	3.0	5.0	12.5
65°	0.0	0.5	1.3	1.3	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°	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°	3215.0	3215.0	3215.0	3215.0	3215.0	3215.0	3215.0	3215.0	3215.0	3215.0	3215.0
2.5°	3200.2	3201.0	3214.2	3223.3	3220.5	3217.6	3220.5	3223.3	3214.2	3201.0	3200.2
5°	3198.6	3202.2	3221.5	3235.6	3234.2	3232.7	3234.2	3235.6	3221.5	3202.2	3198.6
7.5°	3205.5	3209.1	3225.0	3236.0	3232.4	3228.9	3232.4	3236.0	3225.0	3209.1	3205.5
10°	3204.5	3205.6	3222.0	3233.4	3229.9	3226.3	3229.9	3233.4	3222.0	3205.6	3204.5
12.5°	3204.6	3200.0	3213.0	3221.1	3214.7	3208.3	3214.7	3221.1	3213.0	3200.0	3204.6
15°	3194.8	3179.1	3181.3	3180.5	3171.3	3162.0	3171.3	3180.5	3181.3	3179.1	3194.8
17.5°	3150.6	3124.3	3116.4	3107.2	3094.1	3080.9	3094.1	3107.2	3116.4	3124.3	3150.6
20°	3101.4	3069.9	3056.3	3043.3	3031.9	3020.4	3031.9	3043.3	3056.3	3069.9	3101.4
22.5°	3034.6	3002.6	2985.6	2970.5	2961.4	2952.2	2961.4	2970.5	2985.6	3002.6	3034.6
25°	2903.4	2874.1	2861.2	2850.3	2845.3	2840.3	2845.3	2850.3	2861.2	2874.1	2903.4
27.5°	2734.3	2709.1	2693.1	2679.5	2673.0	2666.6	2673.0	2679.5	2693.1	2709.1	2734.3
30°	2610.3	2588.9	2571.7	2555.8	2543.7	2531.5	2543.7	2555.8	2571.7	2588.9	2610.3
32.5°	2466.3	2447.8	2428.9	2411.7	2399.5	2387.4	2399.5	2411.7	2428.9	2447.8	2466.3
35°	2219.3	2202.2	2183.6	2166.9	2156.2	2145.5	2156.2	2166.9	2183.6	2202.2	2219.3
37.5°	1919.5	1903.6	1883.6	1866.3	1857.3	1848.3	1857.3	1866.3	1883.6	1903.6	1919.5
40°	1687.5	1673.5	1659.3	1645.1	1631.6	1618.0	1631.6	1645.1	1659.3	1673.5	1687.5
42.5°	1458.2	1440.2	1417.4	1398.8	1393.2	1387.7	1393.2	1398.8	1417.4	1440.2	1458.2
45°	1101.5	1093.7	1067.9	1030.2	956.6	883.0	956.6	1030.2	1067.9	1093.7	1101.5
47.5°	732.9	719.6	646.2	571.7	493.8	415.9	493.8	571.7	646.2	719.6	732.9
50°	517.0	503.4	394.0	305.4	279.0	252.5	279.0	305.4	394.0	503.4	517.0
52.5°	351.0	346.3	264.9	200.2	185.2	170.2	185.2	200.2	264.9	346.3	351.0
55°	160.5	159.8	125.4	98.6	94.4	90.1	94.4	98.6	125.4	159.8	160.5
57.5°	70.4	70.8	58.7	47.8	40.8	33.8	40.8	47.8	58.7	70.8	70.4
60°	38.4	37.3	25.2	14.5	8.0	1.6	8.0	14.5	25.2	37.3	38.4
62.5°	22.0	21.8	11.9	4.0	2.2	0.3	2.2	4.0	11.9	21.8	22.0
65°	1.3	1.3	0.5	0.0	0.0	0.0	0.0	0.5	1.3	1.3	1.3
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: P1427492

CATALOG NUMBER: SQ2W-BBM-0U-125D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	3215.0	3215.0	3215.0	3215.0
2.5°	3211.6	3221.2	3225.2	3229.2
5°	3210.7	3220.8	3224.3	3227.9
7.5°	3214.1	3221.1	3223.5	3226.0
10°	3218.8	3229.7	3230.4	3231.1
12.5°	3226.9	3242.6	3238.1	3233.7
15°	3228.4	3250.6	3238.4	3226.3
17.5°	3195.3	3224.6	3207.4	3190.3
20°	3150.7	3182.7	3162.7	3142.7
22.5°	3081.7	3112.4	3094.1	3075.8
25°	2949.1	2980.4	2968.2	2956.1
27.5°	2768.6	2793.4	2790.0	2786.6
30°	2636.0	2655.3	2655.3	2655.3
32.5°	2484.6	2498.8	2500.5	2502.2
35°	2235.0	2244.9	2237.0	2229.1
37.5°	1931.4	1939.5	1936.5	1933.5
40°	1701.1	1711.1	1710.4	1709.6
42.5°	1471.2	1477.3	1462.9	1448.5
45°	1091.5	1068.1	1004.5	940.9
47.5°	686.1	631.2	552.0	472.8
50°	434.8	361.3	314.2	267.0
52.5°	279.1	219.9	199.1	178.2
55°	127.6	101.5	95.8	90.1
57.5°	57.6	46.0	38.3	30.6
60°	28.4	19.1	12.0	4.8
62.5°	12.5	5.0	3.0	1.0
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°	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0



TEST NUMBER: P1427492  
 CATALOG NUMBER: SQ2W-BBM-0U-125D-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	3.58	4.71	3.94	5.02	5.34	3.81	4.94	4.17	5.25	5.56
	3H	3.41	4.40	3.79	4.73	5.10	3.64	4.63	4.02	4.96	5.33
	4H	3.32	4.24	3.73	4.59	4.98	3.55	4.46	3.96	4.82	5.20
	6H	3.23	4.06	3.64	4.43	4.83	3.45	4.29	3.87	4.66	5.06
	8H	3.17	3.96	3.61	4.35	4.76	3.40	4.19	3.83	4.58	4.99
	12H	3.12	3.87	3.56	4.25	4.69	3.35	4.10	3.78	4.48	4.91
4H	2H	3.33	4.25	3.74	4.60	4.99	3.56	4.47	3.96	4.83	5.21
	3H	3.16	3.89	3.57	4.30	4.70	3.38	4.12	3.80	4.53	4.93
	4H	3.05	3.70	3.48	4.12	4.57	3.27	3.93	3.71	4.35	4.80
	6H	2.95	3.50	3.41	3.95	4.43	3.17	3.73	3.64	4.18	4.65
	8H	2.88	3.40	3.35	3.85	4.32	3.10	3.63	3.58	4.08	4.55
	12H	2.82	3.27	3.31	3.76	4.24	3.05	3.50	3.54	3.99	4.46
8H	4H	2.88	3.40	3.35	3.85	4.32	3.10	3.63	3.58	4.08	4.55
	6H	2.76	3.18	3.26	3.68	4.16	2.98	3.40	3.49	3.91	4.39
	8H	2.68	3.06	3.21	3.58	4.08	2.91	3.29	3.44	3.81	4.30
	12H	2.63	2.96	3.15	3.46	4.04	2.85	3.19	3.37	3.68	4.26
12H	4H	2.82	3.27	3.31	3.76	4.24	3.05	3.50	3.54	3.99	4.46
	6H	2.68	3.06	3.21	3.58	4.08	2.91	3.29	3.44	3.81	4.30
	8H	2.63	2.96	3.15	3.46	4.04	2.85	3.19	3.37	3.68	4.26