

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: P1427502

Luminaire Tested: SQ2W-BBM-K-025U-100D-L935-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1427502  
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-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 250 LUMENS PER FOOT  
Light Source: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

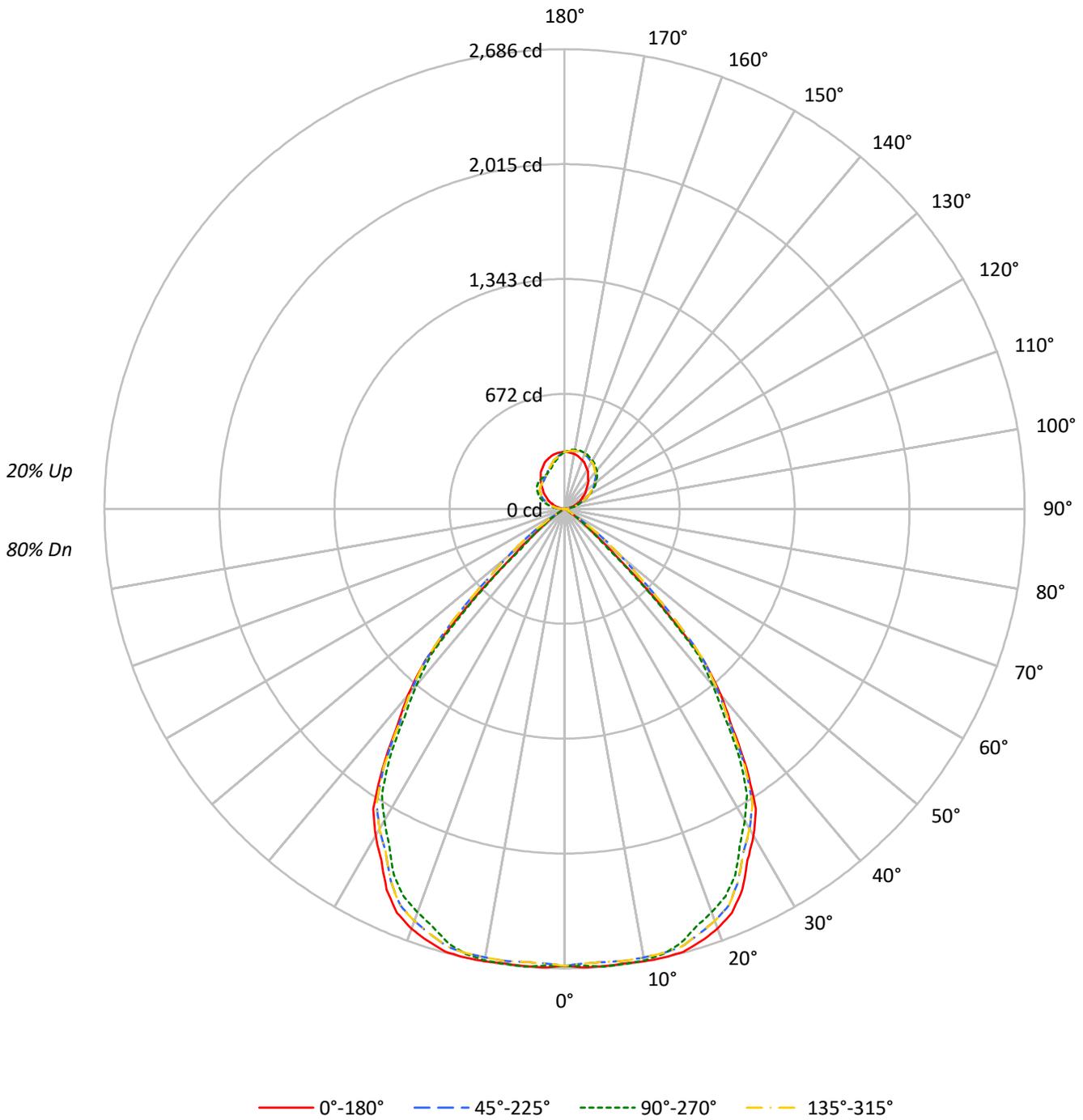
Lumens per Lamp: N/A  
Luminaire Lumens: 4961.7 lumens  
Efficiency: N/A  
Efficacy: 108.8 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.17 / 1.16  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: Semi-Direct

Input Watts (W): 45.6  
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: P1427502

CATALOG NUMBER: SQ2W-BBM-K-025U-100D-L935-UNV-STD-W-WM-4

### Luminous Intensity Polar Plot





TEST NUMBER: P1427502

CATALOG NUMBER: SQ2W-BBM-K-025U-100D-L935-UNV-STD-W-WM-4

**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°	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



TEST NUMBER: P1427502

CATALOG NUMBER: SQ2W-BBM-K-025U-100D-L935-UNV-STD-W-WM-4

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	255.4	5.1
10°-20°	748.1	15.1
20°-30°	1100.5	22.2
30°-40°	1124.8	22.7
40°-50°	648.0	13.1
50°-60°	111.5	2.2
60°-70°	4.0	0.1
70°-80°	0.0	0.0
80°-90°	1.8	0.0
90°-100°	26.4	0.5
100°-110°	76.9	1.6
110°-120°	125.6	2.5
120°-130°	159.3	3.2
130°-140°	170.5	3.4
140°-150°	159.2	3.2
150°-160°	131.0	2.6
160°-170°	87.9	1.8
170°-180°	31.2	0.6
0°-30°	2104.0	42.4
0°-40°	3228.8	65.1
0°-60°	3988.3	80.4
0°-90°	3994.1	80.5
90°-120°	228.9	4.6
90°-150°	717.9	14.5
90°-180°	968.0	19.5
0°-180°	4961.7	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°	1	7	1	14	1	1
95°	10	8	10	45	10	13
105°	49	78	49	108	49	52
115°	94	130	94	160	94	92
125°	139	206	139	196	139	124
135°	188	270	188	217	188	146
145°	241	311	241	222	241	151
155°	286	338	286	230	286	131
165°	316	352	316	265	316	89
175°	330	345	330	311	330	31
180°	332	332	332	332	332	



TEST NUMBER: P1427502

CATALOG NUMBER: SQ2W-BBM-K-025U-100D-L935-UNV-STD-W-WM-4

**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°	0.2	0.5	0.8	1.1	1.3	1.3	1.3	1.4	1.5	1.5	1.5
90°	1.0	2.3	4.0	5.4	6.4	6.7	6.7	7.0	7.4	7.4	7.4
92.5°	3.7	5.8	5.9	5.9	7.2	7.8	8.3	8.4	8.7	8.7	8.7
95°	10.4	11.4	17.1	16.7	11.4	9.0	7.7	7.7	7.7	7.7	7.7
97.5°	19.8	21.3	22.2	29.8	31.5	30.4	24.8	20.8	18.6	17.6	18.6
100°	28.1	28.8	30.8	31.1	39.5	47.6	43.5	38.5	36.8	35.8	36.8
102.5°	36.4	36.8	39.9	41.3	43.3	47.8	61.8	60.2	59.1	58.9	59.1
105°	48.9	49.2	54.9	57.6	58.9	58.9	58.6	65.3	76.0	78.4	76.0
107.5°	62.2	63.8	70.5	77.6	79.2	79.6	77.8	76.8	76.4	76.7	76.4
110°	71.3	73.7	81.7	90.8	93.1	93.8	93.1	92.1	91.4	91.4	91.4



TEST NUMBER: P1427502

CATALOG NUMBER: SQ2W-BBM-K-025U-100D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	80.2	83.6	92.7	103.1	107.0	109.0	107.6	106.8	106.2	106.7	106.2
115°	93.8	98.8	110.8	121.6	129.6	130.6	130.3	130.3	129.9	129.9	129.9
117.5°	106.4	114.4	127.9	140.4	149.7	152.4	153.7	153.3	152.9	153.6	152.9
120°	115.2	124.6	140.0	154.0	163.1	167.1	168.4	167.8	168.4	167.8	168.4
122.5°	124.6	136.1	151.2	165.8	176.5	181.0	182.6	182.8	182.9	182.5	182.9
125°	138.6	152.7	170.5	185.5	196.6	201.9	203.3	203.6	204.3	206.0	204.3
127.5°	152.8	168.8	188.3	202.8	214.1	220.6	222.7	223.4	224.8	225.6	224.8
130°	162.8	180.8	200.6	214.3	225.4	232.4	236.1	237.1	238.8	238.4	238.8
132.5°	173.2	192.1	212.1	226.4	236.6	244.2	247.3	250.2	250.8	251.3	250.8
135°	188.5	209.0	229.1	243.1	252.8	260.2	264.2	266.9	268.6	269.6	268.6
137.5°	204.7	226.2	245.5	258.1	267.8	274.2	278.8	281.6	283.3	284.1	283.3
140°	215.7	236.4	255.2	268.2	276.9	283.3	287.3	290.7	292.7	292.7	292.7
142.5°	226.1	246.6	264.8	277.9	285.5	291.3	295.6	298.2	300.5	300.5	300.5
145°	240.8	261.2	277.9	291.0	297.4	302.7	307.4	309.4	310.8	310.8	310.8
147.5°	256.1	274.2	289.5	302.0	307.4	313.6	317.3	318.9	320.6	319.9	320.6
150°	265.2	282.0	296.7	308.4	313.8	319.8	323.5	324.8	326.5	325.5	326.5
152.5°	274.1	290.0	303.4	314.3	318.9	324.9	329.1	330.5	331.6	330.9	331.6
155°	286.0	300.1	312.4	322.5	326.5	332.2	336.2	337.9	339.2	337.6	339.2
157.5°	296.6	308.8	319.5	328.8	333.1	338.0	341.7	343.8	345.1	344.4	345.1
160°	303.1	314.1	323.8	332.5	336.6	340.9	344.9	347.3	348.6	347.6	348.6
162.5°	308.4	318.4	327.6	335.5	339.0	342.8	347.6	349.7	351.0	349.7	351.0
165°	316.1	324.2	332.2	338.9	341.9	344.9	349.9	352.3	353.3	352.0	353.3
167.5°	322.0	328.1	334.6	340.4	342.6	345.5	350.6	352.5	353.8	352.1	353.8
170°	325.2	330.5	336.2	340.9	342.6	345.3	350.3	352.0	353.0	351.3	353.0
172.5°	327.8	331.9	336.5	340.6	341.5	343.7	348.4	350.1	350.8	349.4	350.8
175°	330.5	332.9	336.2	338.9	338.6	339.9	343.9	345.3	346.6	344.6	346.6
177.5°	331.8	332.9	333.9	335.5	334.5	334.5	337.4	338.2	338.5	337.4	338.5
180°	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5

TEST NUMBER: P1427502

CATALOG NUMBER: SQ2W-BBM-K-025U-100D-L935-UNV-STD-W-WM-4

**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°	1.4	1.3	1.3	1.3	1.1	0.8	0.5	0.2	0.5	0.7	1.2
90°	7.0	6.7	6.7	6.4	5.4	4.0	2.3	1.0	2.3	3.7	6.0
92.5°	8.4	8.3	7.8	7.2	5.9	5.9	5.8	3.7	6.4	9.0	13.0
95°	7.7	7.7	9.0	11.4	16.7	17.1	11.4	10.4	14.7	20.8	26.1
97.5°	20.8	24.8	30.4	31.5	29.8	22.2	21.3	19.8	27.0	33.0	41.6
100°	38.5	43.5	47.6	39.5	31.1	30.8	28.8	28.1	35.8	41.5	49.9
102.5°	60.2	61.8	47.8	43.3	41.3	39.9	36.8	36.4	44.1	52.0	59.0
105°	65.3	58.6	58.9	58.9	57.6	54.9	49.2	48.9	57.6	66.6	75.3
107.5°	76.8	77.8	79.6	79.2	77.6	70.5	63.8	62.2	70.1	80.9	90.5
110°	92.1	93.1	93.8	93.1	90.8	81.7	73.7	71.3	78.4	89.7	100.1



TEST NUMBER: P1427502

CATALOG NUMBER: SQ2W-BBM-K-025U-100D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	106.8	107.6	109.0	107.0	103.1	92.7	83.6	80.2	87.2	98.9	109.5
115°	130.3	130.3	130.6	129.6	121.6	110.8	98.8	93.8	99.8	110.5	122.2
117.5°	153.3	153.7	152.4	149.7	140.4	127.9	114.4	106.4	111.1	122.4	134.5
120°	167.8	168.4	167.1	163.1	154.0	140.0	124.6	115.2	118.9	129.9	142.0
122.5°	182.8	182.6	181.0	176.5	165.8	151.2	136.1	124.6	126.1	136.4	148.2
125°	203.6	203.3	201.9	196.6	185.5	170.5	152.7	138.6	136.6	145.3	157.4
127.5°	223.4	222.7	220.6	214.1	202.8	188.3	168.8	152.8	148.4	153.8	164.9
130°	237.1	236.1	232.4	225.4	214.3	200.6	180.8	162.8	156.4	159.7	169.4
132.5°	250.2	247.3	244.2	236.6	226.4	212.1	192.1	173.2	164.4	165.9	173.5
135°	266.9	264.2	260.2	252.8	243.1	229.1	209.0	188.5	176.5	175.1	179.5
137.5°	281.6	278.8	274.2	267.8	258.1	245.5	226.2	204.7	189.5	185.0	186.7
140°	290.7	287.3	283.3	276.9	268.2	255.2	236.4	215.7	198.6	192.2	191.2
142.5°	298.2	295.6	291.3	285.5	277.9	264.8	246.6	226.1	208.0	199.7	197.4
145°	309.4	307.4	302.7	297.4	291.0	277.9	261.2	240.8	222.7	212.0	207.0
147.5°	318.9	317.3	313.6	307.4	302.0	289.5	274.2	256.1	237.6	224.3	217.8
150°	324.8	323.5	319.8	313.8	308.4	296.7	282.0	265.2	247.5	233.4	225.0
152.5°	330.5	329.1	324.9	318.9	314.3	303.4	290.0	274.1	256.0	242.0	233.3
155°	337.9	336.2	332.2	326.5	322.5	312.4	300.1	286.0	270.6	255.8	246.1
157.5°	343.8	341.7	338.0	333.1	328.8	319.5	308.8	296.6	283.2	269.1	259.2
160°	347.3	344.9	340.9	336.6	332.5	323.8	314.1	303.1	290.7	277.9	267.2
162.5°	349.7	347.6	342.8	339.0	335.5	327.6	318.4	308.4	297.4	286.3	276.3
165°	352.3	349.9	344.9	341.9	338.9	332.2	324.2	316.1	306.7	297.7	289.7
167.5°	352.5	350.6	345.5	342.6	340.4	334.6	328.1	322.0	314.7	307.6	300.9
170°	352.0	350.3	345.3	342.6	340.9	336.2	330.5	325.2	319.5	313.4	308.1
172.5°	350.1	348.4	343.7	341.5	340.6	336.5	331.9	327.8	323.0	318.5	314.3
175°	345.3	343.9	339.9	338.6	338.9	336.2	332.9	330.5	327.5	324.8	322.5
177.5°	338.2	337.4	334.5	334.5	335.5	333.9	332.9	331.8	330.5	329.7	328.9
180°	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5



TEST NUMBER: P1427502

CATALOG NUMBER: SQ2W-BBM-K-025U-100D-L935-UNV-STD-W-WM-4

**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°	1.5	2.0	2.5	2.7	3.0	2.9	3.0	2.7	2.5	2.0	1.5
90°	7.7	10.0	12.4	13.7	15.1	14.4	15.1	13.7	12.4	10.0	7.7
92.5°	15.5	19.4	22.3	24.7	25.8	25.7	25.8	24.7	22.3	19.4	15.5
95°	31.1	35.8	40.5	43.9	45.9	45.2	45.9	43.9	40.5	35.8	31.1
97.5°	48.0	54.3	59.5	62.7	64.7	66.0	64.7	62.7	59.5	54.3	48.0
100°	59.3	65.3	71.3	75.0	78.4	79.7	78.4	75.0	71.3	65.3	59.3
102.5°	68.4	76.3	82.8	86.8	89.6	91.0	89.6	86.8	82.8	76.3	68.4
105°	83.4	91.8	98.8	103.8	106.8	107.8	106.8	103.8	98.8	91.8	83.4
107.5°	98.4	107.0	113.5	119.1	122.8	124.9	122.8	119.1	113.5	107.0	98.4
110°	110.2	117.2	124.2	129.3	132.9	134.3	132.9	129.3	124.2	117.2	110.2



TEST NUMBER: P1427502

CATALOG NUMBER: SQ2W-BBM-K-025U-100D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	120.1	127.9	135.0	140.0	144.2	146.1	144.2	140.0	135.0	127.9	120.1
115°	134.0	144.3	150.7	155.4	158.4	160.1	158.4	155.4	150.7	144.3	134.0
117.5°	145.5	156.3	163.3	166.9	168.3	169.5	168.3	166.9	163.3	156.3	145.5
120°	152.7	162.8	170.8	175.5	177.2	177.8	177.2	175.5	170.8	162.8	152.7
122.5°	159.4	168.9	176.7	182.4	185.2	185.9	185.2	182.4	176.7	168.9	159.4
125°	168.8	177.8	185.9	191.6	194.6	196.2	194.6	191.6	185.9	177.8	168.8
127.5°	176.9	186.7	194.1	199.3	202.2	203.5	202.2	199.3	194.1	186.7	176.9
130°	181.5	191.6	198.9	204.6	207.3	208.6	207.3	204.6	198.9	191.6	181.5
132.5°	185.0	195.6	203.2	208.4	211.3	212.6	211.3	208.4	203.2	195.6	185.0
135°	189.2	200.3	208.3	213.3	216.0	217.3	216.0	213.3	208.3	200.3	189.2
137.5°	192.9	202.9	211.3	216.6	219.0	219.9	219.0	216.6	211.3	202.9	192.9
140°	195.6	204.3	212.6	217.7	220.4	220.7	220.4	217.7	212.6	204.3	195.6
142.5°	199.1	205.9	213.2	218.2	220.9	221.5	220.9	218.2	213.2	205.9	199.1
145°	205.3	209.3	214.3	219.0	221.4	222.0	221.4	219.0	214.3	209.3	205.3
147.5°	213.1	214.4	217.0	220.1	222.4	222.8	222.4	220.1	217.0	214.4	213.1
150°	219.0	218.7	219.7	221.7	223.7	223.4	223.7	221.7	219.7	218.7	219.0
152.5°	225.7	223.8	223.7	224.6	225.6	225.5	225.6	224.6	223.7	223.8	225.7
155°	237.1	233.4	231.4	230.7	230.7	230.4	230.7	230.7	231.4	233.4	237.1
157.5°	249.6	244.5	241.4	239.8	239.4	238.6	239.4	239.8	241.4	244.5	249.6
160°	258.2	252.5	249.5	246.8	245.8	244.8	245.8	246.8	249.5	252.5	258.2
162.5°	266.2	260.8	257.5	255.1	254.1	252.6	254.1	255.1	257.5	260.8	266.2
165°	279.3	273.6	269.9	267.9	266.6	265.2	266.6	267.9	269.9	273.6	279.3
167.5°	292.3	286.1	283.7	281.4	280.2	277.7	280.2	281.4	283.7	286.1	292.3
170°	300.4	294.7	293.4	291.3	289.0	286.3	289.0	291.3	293.4	294.7	300.4
172.5°	307.4	303.5	302.2	300.2	299.4	297.3	299.4	300.2	302.2	303.5	307.4
175°	317.5	314.5	314.5	314.1	313.1	311.1	313.1	314.1	314.5	314.5	317.5
177.5°	325.9	324.3	325.4	325.4	325.1	323.2	325.1	325.4	325.4	324.3	325.9
180°	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5



TEST NUMBER: P1427502

CATALOG NUMBER: SQ2W-BBM-K-025U-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°	1.2	0.7	0.5	0.2
90°	6.0	3.7	2.3	1.0
92.5°	13.0	9.0	6.4	3.7
95°	26.1	20.8	14.7	10.4
97.5°	41.6	33.0	27.0	19.8
100°	49.9	41.5	35.8	28.1
102.5°	59.0	52.0	44.1	36.4
105°	75.3	66.6	57.6	48.9
107.5°	90.5	80.9	70.1	62.2
110°	100.1	89.7	78.4	71.3



TEST NUMBER: P1427502

CATALOG NUMBER: SQ2W-BBM-K-025U-100D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
112.5°	109.5	98.9	87.2	80.2
115°	122.2	110.5	99.8	93.8
117.5°	134.5	122.4	111.1	106.4
120°	142.0	129.9	118.9	115.2
122.5°	148.2	136.4	126.1	124.6
125°	157.4	145.3	136.6	138.6
127.5°	164.9	153.8	148.4	152.8
130°	169.4	159.7	156.4	162.8
132.5°	173.5	165.9	164.4	173.2
135°	179.5	175.1	176.5	188.5
137.5°	186.7	185.0	189.5	204.7
140°	191.2	192.2	198.6	215.7
142.5°	197.4	199.7	208.0	226.1
145°	207.0	212.0	222.7	240.8
147.5°	217.8	224.3	237.6	256.1
150°	225.0	233.4	247.5	265.2
152.5°	233.3	242.0	256.0	274.1
155°	246.1	255.8	270.6	286.0
157.5°	259.2	269.1	283.2	296.6
160°	267.2	277.9	290.7	303.1
162.5°	276.3	286.3	297.4	308.4
165°	289.7	297.7	306.7	316.1
167.5°	300.9	307.6	314.7	322.0
170°	308.1	313.4	319.5	325.2
172.5°	314.3	318.5	323.0	327.8
175°	322.5	324.8	327.5	330.5
177.5°	328.9	329.7	330.5	331.8
180°	331.5	331.5	331.5	331.5

TEST NUMBER: P1427502

CATALOG NUMBER: SQ2W-BBM-K-025U-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	1.34	2.25	2.02	2.91	3.68	1.57	2.47	2.25	3.14	3.91
	3H	1.16	1.96	1.85	2.63	3.44	1.39	2.18	2.08	2.86	3.67
	4H	1.06	1.80	1.78	2.49	3.31	1.29	2.03	2.00	2.72	3.54
	6H	0.96	1.64	1.68	2.34	3.17	1.19	1.86	1.91	2.56	3.39
	8H	0.90	1.54	1.64	2.26	3.09	1.13	1.77	1.87	2.49	3.32
	12H	0.85	1.45	1.58	2.16	3.02	1.07	1.68	1.81	2.39	3.25
4H	2H	1.07	1.81	1.79	2.50	3.32	1.30	2.04	2.02	2.73	3.55
	3H	0.88	1.48	1.61	2.21	3.05	1.11	1.71	1.83	2.44	3.27
	4H	0.77	1.31	1.51	2.04	2.91	1.00	1.54	1.74	2.27	3.14
	6H	0.67	1.13	1.43	1.88	2.76	0.89	1.35	1.65	2.11	2.99
	8H	0.60	1.03	1.36	1.78	2.67	0.83	1.26	1.59	2.01	2.89
	12H	0.53	0.91	1.31	1.69	2.58	0.76	1.14	1.54	1.92	2.81
8H	4H	0.60	1.03	1.36	1.78	2.67	0.83	1.26	1.59	2.01	2.89
	6H	0.48	0.83	1.27	1.63	2.51	0.71	1.06	1.50	1.85	2.74
	8H	0.41	0.73	1.22	1.52	2.43	0.64	0.95	1.44	1.75	2.65
	12H	0.35	0.63	1.15	1.41	2.38	0.58	0.85	1.38	1.63	2.60
12H	4H	0.53	0.91	1.31	1.69	2.58	0.76	1.14	1.54	1.92	2.81
	6H	0.41	0.73	1.22	1.52	2.43	0.64	0.95	1.45	1.75	2.65
	8H	0.35	0.63	1.15	1.41	2.38	0.58	0.85	1.38	1.63	2.60