

Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1428606

Luminaire Tested: SQ2W-WBN-K-050U-100D-L935-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1428606  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G3-2308-130-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/10/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ2W-WBN-K-050U-100D-L935-UNV-STD-W-WM-4  
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE  
DOWNLIGHT - WHITE DISCREET BAFFLE, NARROW 35-DEGREE OPTIC  
UPLIGHT - ASYMMETRIC ROLL LENS  
DOWNLIGHT 1000 LUMENS PER FOOT  
UPLIGHT 500 LUMENS PER FOOT  
Light Source: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

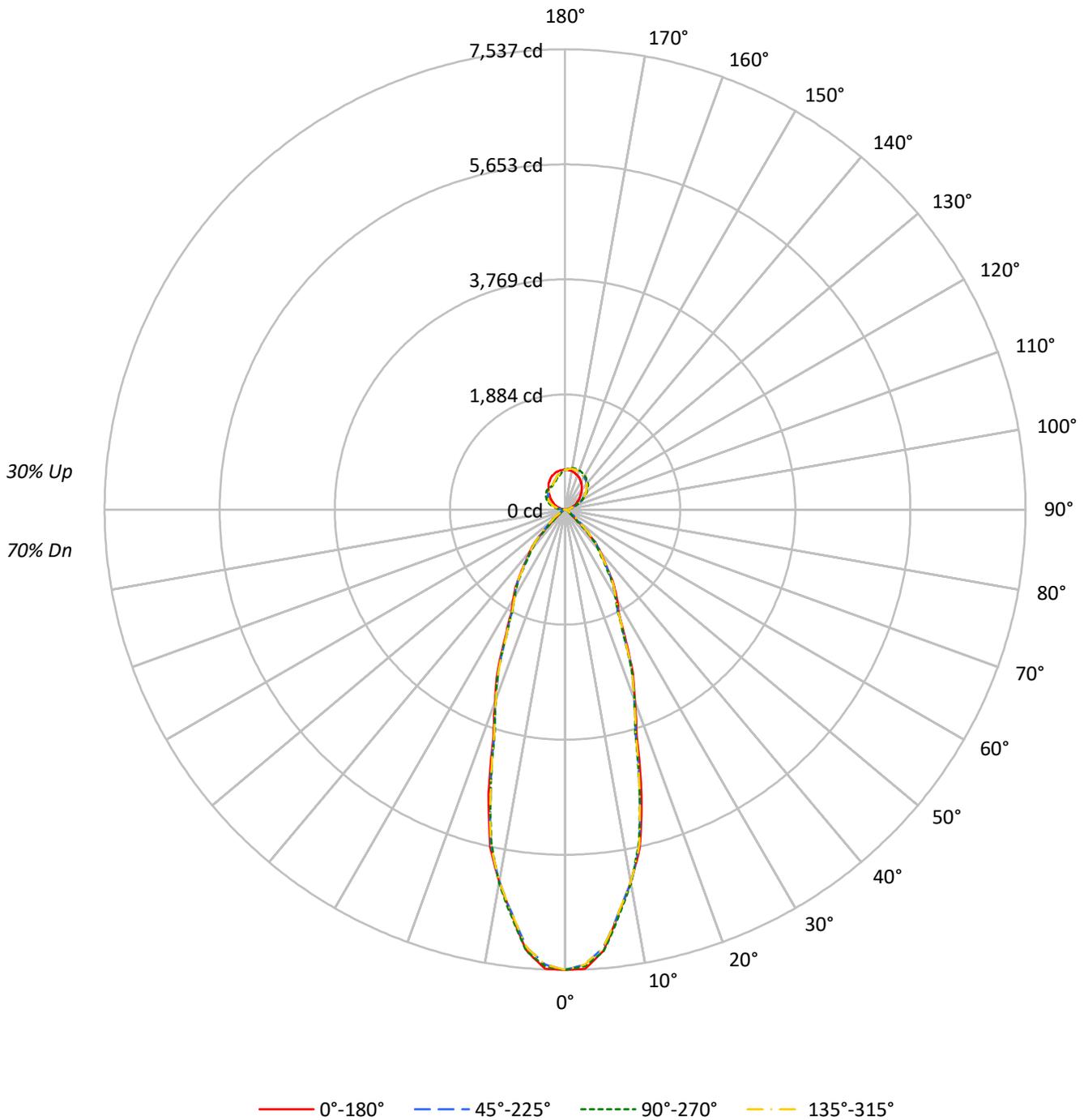
Lumens per Lamp: N/A  
Luminaire Lumens: 6279.9 lumens  
Efficiency: N/A  
Efficacy: 118.5 lumens/watt  
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.63  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: Semi-Direct

Input Watts (W): 53  
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: P1428606

CATALOG NUMBER: SQ2W-WBN-K-050U-100D-L935-UNV-STD-W-WM-4

### Luminous Intensity Polar Plot





TEST NUMBER: P1428606

CATALOG NUMBER: SQ2W-WBN-K-050U-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	50	30	10	0	
RCR																						
0	112	112	112	112	106	106	106	106	94	94	94	84	84	84	74	74	74	74	74	74	70	
1	105	102	99	97	100	97	95	92	87	86	84	79	77	76	70	70	69	69	69	69	65	
2	99	93	89	85	94	89	85	82	81	78	75	73	71	69	67	65	64	64	64	64	60	
3	93	86	80	76	88	82	77	73	75	72	68	69	66	64	63	61	59	59	59	59	56	
4	88	79	73	69	83	76	71	67	70	66	63	65	61	59	59	57	55	55	55	55	52	
5	83	73	67	63	79	71	65	61	66	61	58	61	57	54	56	53	51	51	51	51	49	
6	78	68	62	57	74	66	60	56	61	57	53	57	53	51	53	50	48	48	48	48	46	
7	74	64	58	53	70	62	56	52	58	53	50	54	50	47	50	47	45	45	45	45	43	
8	70	60	54	49	67	58	52	48	54	50	46	51	47	44	48	45	42	42	42	42	41	
9	66	56	50	46	64	55	49	45	51	47	43	48	45	42	46	42	40	40	40	40	38	
10	63	53	47	43	61	52	46	42	49	44	41	46	42	39	43	40	38	38	38	38	36	

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	121689	121689	121689	121689
5°	117494	117624	117494	117624
10°	101558	101799	101558	101799
15°	80814	78579	80814	78579
20°	57409	57064	57409	57064
25°	41303	40206	41303	40206
30°	31557	30635	31557	30635
35°	24772	23717	24772	23717
40°	18769	17614	18769	17614
45°	10501	9373	10501	9373
50°	3695	3258	3695	3258
55°	2258	2145	2258	2145
60°	1728	1598	1728	1598
65°	1582	1482	1582	1482
70°	1515	1388	1515	1388
75°	1416	1335	1416	1335
80°	1246	1246	1246	1246
85°	1241	982	1241	982

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 40°  
 Vertical Angle: 45°  
 Luminance: 12453 cd/sqm



TEST NUMBER: P1428606

CATALOG NUMBER: SQ2W-WBN-K-050U-100D-L935-UNV-STD-W-WM-4

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	654.3	10.4
10°-20°	1300.3	20.7
20°-30°	1076.8	17.1
30°-40°	774.7	12.3
40°-50°	394.6	6.3
50°-60°	102.6	1.6
60°-70°	42.6	0.7
70°-80°	23.7	0.4
80°-90°	9.7	0.2
90°-100°	51.8	0.8
100°-110°	151.1	2.4
110°-120°	246.5	3.9
120°-130°	312.9	5.0
130°-140°	334.8	5.3
140°-150°	312.6	5.0
150°-160°	257.2	4.1
160°-170°	172.5	2.7
170°-180°	61.3	1.0
0°-30°	3031.4	48.3
0°-40°	3806.1	60.6
0°-60°	4303.3	68.5
0°-90°	4379.3	69.7
90°-120°	449.4	7.2
90°-150°	1409.7	22.4
90°-180°	1901.0	30.3
0°-180°	6279.9	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	7537	7537	7537	7537	7537	
5°	7250	7258	7250	7258	7250	654
15°	4835	4701	4835	4701	4835	1312
25°	2318	2257	2318	2257	2318	1091
35°	1257	1203	1257	1203	1257	789
45°	460	410	460	410	460	368
55°	80	76	80	76	80	79
65°	41	39	41	39	41	41
75°	23	21	23	21	23	24
85°	7	5	7	5	7	7
90°	2	14	2	28	2	2
95°	20	15	20	89	20	25
105°	96	154	96	212	96	102
115°	184	255	184	314	184	181
125°	272	404	272	385	272	244
135°	370	529	370	427	370	286
145°	473	610	473	436	473	296
155°	562	663	562	452	562	258
165°	621	691	621	521	621	175
175°	649	677	649	611	649	62
180°	651	651	651	651	651	



TEST NUMBER: P1428606

CATALOG NUMBER: SQ2W-WBN-K-050U-100D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	7537.0	7537.0	7537.0	7537.0	7537.0	7537.0	7537.0	7537.0	7537.0	7537.0	7537.0
2.5°	7525.2	7519.5	7513.8	7488.5	7456.6	7454.0	7480.6	7498.9	7492.3	7485.6	7492.3
5°	7249.5	7244.8	7240.0	7218.3	7191.0	7200.5	7246.8	7278.9	7268.2	7257.5	7268.2
7.5°	6680.2	6684.2	6688.3	6677.2	6661.0	6673.4	6714.4	6742.3	6730.9	6719.5	6730.9
10°	6194.6	6205.3	6216.0	6200.8	6177.0	6195.2	6255.2	6290.1	6249.7	6209.3	6249.7
12.5°	5658.7	5651.8	5644.9	5631.1	5614.9	5611.6	5621.2	5622.9	5600.5	5578.2	5600.5
15°	4834.8	4809.8	4784.9	4746.5	4703.8	4689.8	4704.7	4714.2	4707.6	4701.1	4707.6
17.5°	3894.3	3903.9	3913.6	3887.6	3849.8	3830.2	3828.8	3825.9	3818.5	3811.1	3818.5
20°	3341.3	3344.3	3347.2	3331.0	3308.5	3303.1	3315.0	3323.6	3322.4	3321.2	3322.4
22.5°	2896.3	2896.9	2897.5	2876.1	2847.3	2841.7	2859.3	2869.9	2859.2	2848.5	2859.2
25°	2318.5	2316.7	2314.9	2300.6	2282.2	2268.5	2259.6	2253.4	2255.2	2256.9	2255.2
27.5°	1901.3	1893.9	1886.6	1874.4	1860.6	1856.7	1862.6	1866.0	1861.6	1857.2	1861.6
30°	1692.7	1686.8	1680.8	1668.6	1654.4	1649.0	1652.6	1653.9	1648.6	1643.2	1648.6
32.5°	1505.5	1505.8	1506.0	1495.0	1480.3	1472.1	1470.4	1468.2	1464.3	1460.3	1464.3
35°	1256.8	1260.4	1264.0	1255.0	1242.0	1231.0	1222.1	1214.0	1208.7	1203.3	1208.7
37.5°	1034.9	1038.2	1041.5	1034.1	1023.0	1011.0	997.9	987.0	982.4	977.9	982.4
40°	890.5	892.9	895.2	890.0	882.3	870.7	855.3	842.8	839.2	835.7	839.2
42.5°	733.2	743.2	753.2	749.9	742.2	731.1	716.6	703.7	695.9	688.0	695.9
45°	459.9	491.4	522.9	537.1	545.4	541.5	525.5	502.0	456.2	410.5	456.2
47.5°	232.6	276.3	319.9	351.2	378.4	369.7	325.2	280.5	235.6	190.7	235.6
50°	147.1	177.4	207.7	246.0	287.0	278.1	219.3	170.1	149.9	129.7	149.9
52.5°	112.8	128.4	144.0	180.4	223.8	219.6	167.9	126.4	115.2	104.0	115.2
55°	80.2	86.2	92.1	112.3	137.3	135.8	107.9	85.7	81.0	76.2	81.0
57.5°	62.0	65.4	68.7	76.2	85.1	84.3	73.7	65.0	62.1	59.1	62.1
60°	53.5	55.9	58.2	62.0	66.1	65.5	60.2	55.4	52.4	49.5	52.4
62.5°	48.1	49.6	51.0	52.7	54.5	53.6	50.2	47.3	46.3	45.2	46.3
65°	41.4	42.0	42.6	42.8	42.8	42.2	41.0	40.0	39.4	38.8	39.4
67.5°	35.3	35.9	36.5	36.5	36.4	36.1	35.5	34.9	34.3	33.7	34.3
70°	32.1	32.7	33.3	33.0	32.4	31.8	31.2	30.6	30.0	29.4	30.0
72.5°	27.8	28.4	29.0	28.7	28.1	27.8	27.6	27.4	26.8	26.2	26.8
75°	22.7	22.7	22.7	22.7	22.7	22.4	21.8	21.4	21.4	21.4	21.4
77.5°	17.6	17.8	17.9	17.5	16.9	16.6	16.6	16.5	16.0	15.5	16.0
80°	13.4	14.0	14.6	14.3	13.7	13.4	13.4	13.4	13.4	13.4	13.4
82.5°	11.2	11.4	11.5	11.1	10.5	10.2	10.2	10.2	10.2	10.2	10.2
85°	6.7	6.7	6.7	6.2	5.6	5.6	6.2	6.5	5.9	5.3	5.9
87.5°	2.5	3.1	3.7	4.2	4.6	4.8	4.8	4.9	5.0	5.0	5.0
90°	2.0	4.6	7.9	10.5	12.5	13.2	13.2	13.8	14.5	14.5	14.5
92.5°	7.2	11.4	11.6	11.6	14.1	15.3	16.3	16.4	17.1	17.1	17.1
95°	20.4	22.4	33.5	32.9	22.4	17.8	15.1	15.1	15.1	15.1	15.1
97.5°	38.9	41.8	43.7	58.5	61.8	59.7	48.7	40.9	36.6	34.6	36.6
100°	55.2	56.5	60.5	61.1	77.6	93.4	85.5	75.6	72.3	70.4	72.3
102.5°	71.5	72.3	78.4	81.1	85.0	93.9	121.2	118.2	116.0	115.6	116.0
105°	96.0	96.7	107.8	113.1	115.7	115.7	115.1	128.2	149.3	153.9	149.3
107.5°	122.2	125.2	138.3	152.4	155.4	156.2	152.8	150.8	150.0	150.6	150.0
110°	140.1	144.7	160.4	178.2	182.8	184.1	182.8	180.8	179.5	179.5	179.5



TEST NUMBER: P1428606

CATALOG NUMBER: SQ2W-WBN-K-050U-100D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	157.4	164.1	182.0	202.4	210.1	214.1	211.2	209.8	208.4	209.5	208.4
115°	184.1	194.0	217.6	238.7	254.5	256.4	255.8	255.8	255.1	255.1	255.1
117.5°	208.8	224.6	251.2	275.6	293.9	299.2	301.8	301.0	300.2	301.5	300.2
120°	226.2	244.6	274.8	302.5	320.2	328.1	330.7	329.4	330.7	329.4	330.7
122.5°	244.6	267.2	296.9	325.6	346.5	355.5	358.6	358.9	359.1	358.4	359.1
125°	272.2	299.8	334.7	364.3	386.0	396.5	399.1	399.8	401.1	404.4	401.1
127.5°	300.1	331.4	369.7	398.2	420.4	433.2	437.3	438.7	441.5	442.9	441.5
130°	319.6	355.1	393.9	420.8	442.5	456.3	463.6	465.5	468.8	468.2	468.8
132.5°	340.1	377.2	416.5	444.5	464.6	479.5	485.6	491.3	492.5	493.4	492.5
135°	370.2	410.3	449.7	477.4	496.4	510.9	518.8	524.0	527.3	529.3	527.3
137.5°	401.9	444.2	482.1	506.7	525.9	538.4	547.3	552.8	556.3	557.8	556.3
140°	423.4	464.2	501.0	526.7	543.8	556.3	564.2	570.7	574.7	574.7	574.7
142.5°	444.0	484.2	520.0	545.6	560.6	572.0	580.5	585.5	589.9	589.9	589.9
145°	472.8	512.9	545.7	571.4	583.9	594.4	603.6	607.6	610.2	610.2	610.2
147.5°	502.9	538.4	568.4	593.0	603.5	615.8	623.1	626.2	629.5	628.1	629.5
150°	520.8	553.6	582.6	605.6	616.1	627.9	635.2	637.8	641.1	639.1	641.1
152.5°	538.1	569.4	595.7	617.2	626.1	637.9	646.2	648.8	651.1	649.6	651.1
155°	561.5	589.1	613.5	633.2	641.1	652.3	660.2	663.4	666.1	662.8	666.1
157.5°	582.4	606.2	627.4	645.6	654.0	663.6	670.9	675.0	677.6	676.2	677.6
160°	595.1	616.8	635.8	652.9	660.8	669.4	677.3	681.9	684.5	682.5	684.5
162.5°	605.6	625.2	643.2	658.7	665.5	673.0	682.5	686.6	689.2	686.7	689.2
165°	620.7	636.5	652.3	665.4	671.3	677.3	687.1	691.7	693.7	691.1	693.7
167.5°	632.1	644.2	657.0	668.3	672.6	678.4	688.3	692.1	694.6	691.3	694.6
170°	638.5	649.0	660.2	669.4	672.6	677.9	687.8	691.1	693.0	689.7	693.0
172.5°	643.7	651.6	660.7	668.8	670.5	674.8	684.1	687.4	688.8	686.1	688.8
175°	649.0	653.6	660.2	665.4	664.8	667.4	675.3	677.9	680.5	676.6	680.5
177.5°	651.5	653.6	655.7	658.8	656.7	656.7	662.5	664.1	664.6	662.5	664.6
180°	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9



TEST NUMBER: P1428606

CATALOG NUMBER: SQ2W-WBN-K-050U-100D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	7537.0	7537.0	7537.0	7537.0	7537.0	7537.0	7537.0	7537.0	7537.0	7537.0	7537.0
2.5°	7498.9	7480.6	7454.0	7456.6	7488.5	7513.8	7519.5	7525.2	7519.5	7513.8	7488.5
5°	7278.9	7246.8	7200.5	7191.0	7218.3	7240.0	7244.8	7249.5	7244.8	7240.0	7218.3
7.5°	6742.3	6714.4	6673.4	6661.0	6677.2	6688.3	6684.2	6680.2	6684.2	6688.3	6677.2
10°	6290.1	6255.2	6195.2	6177.0	6200.8	6216.0	6205.3	6194.6	6205.3	6216.0	6200.8
12.5°	5622.9	5621.2	5611.6	5614.9	5631.1	5644.9	5651.8	5658.7	5651.8	5644.9	5631.1
15°	4714.2	4704.7	4689.8	4703.8	4746.5	4784.9	4809.8	4834.8	4809.8	4784.9	4746.5
17.5°	3825.9	3828.8	3830.2	3849.8	3887.6	3913.6	3903.9	3894.3	3903.9	3913.6	3887.6
20°	3323.6	3315.0	3303.1	3308.5	3331.0	3347.2	3344.3	3341.3	3344.3	3347.2	3331.0
22.5°	2869.9	2859.3	2841.7	2847.3	2876.1	2897.5	2896.9	2896.3	2896.9	2897.5	2876.1
25°	2253.4	2259.6	2268.5	2282.2	2300.6	2314.9	2316.7	2318.5	2316.7	2314.9	2300.6
27.5°	1866.0	1862.6	1856.7	1860.6	1874.4	1886.6	1893.9	1901.3	1893.9	1886.6	1874.4
30°	1653.9	1652.6	1649.0	1654.4	1668.6	1680.8	1686.8	1692.7	1686.8	1680.8	1668.6
32.5°	1468.2	1470.4	1472.1	1480.3	1495.0	1506.0	1505.8	1505.5	1505.8	1506.0	1495.0
35°	1214.0	1222.1	1231.0	1242.0	1255.0	1264.0	1260.4	1256.8	1260.4	1264.0	1255.0
37.5°	987.0	997.9	1011.0	1023.0	1034.1	1041.5	1038.2	1034.9	1038.2	1041.5	1034.1
40°	842.8	855.3	870.7	882.3	890.0	895.2	892.9	890.5	892.9	895.2	890.0
42.5°	703.7	716.6	731.1	742.2	749.9	753.2	743.2	733.2	743.2	753.2	749.9
45°	502.0	525.5	541.5	545.4	537.1	522.9	491.4	459.9	491.4	522.9	537.1
47.5°	280.5	325.2	369.7	378.4	351.2	319.9	276.3	232.6	276.3	319.9	351.2
50°	170.1	219.3	278.1	287.0	246.0	207.7	177.4	147.1	177.4	207.7	246.0
52.5°	126.4	167.9	219.6	223.8	180.4	144.0	128.4	112.8	128.4	144.0	180.4
55°	85.7	107.9	135.8	137.3	112.3	92.1	86.2	80.2	86.2	92.1	112.3
57.5°	65.0	73.7	84.3	85.1	76.2	68.7	65.4	62.0	65.4	68.7	76.2
60°	55.4	60.2	65.5	66.1	62.0	58.2	55.9	53.5	55.9	58.2	62.0
62.5°	47.3	50.2	53.6	54.5	52.7	51.0	49.6	48.1	49.6	51.0	52.7
65°	40.0	41.0	42.2	42.8	42.8	42.6	42.0	41.4	42.0	42.6	42.8
67.5°	34.9	35.5	36.1	36.4	36.5	36.5	35.9	35.3	35.9	36.5	36.5
70°	30.6	31.2	31.8	32.4	33.0	33.3	32.7	32.1	32.7	33.3	33.0
72.5°	27.4	27.6	27.8	28.1	28.7	29.0	28.4	27.8	28.4	29.0	28.7
75°	21.4	21.8	22.4	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7
77.5°	16.5	16.6	16.6	16.9	17.5	17.9	17.8	17.6	17.8	17.9	17.5
80°	13.4	13.4	13.4	13.7	14.3	14.6	14.0	13.4	14.0	14.6	14.3
82.5°	10.2	10.2	10.2	10.5	11.1	11.5	11.4	11.2	11.4	11.5	11.1
85°	6.5	6.2	5.6	5.6	6.2	6.7	6.7	6.7	6.7	6.7	6.2
87.5°	4.9	4.8	4.8	4.6	4.2	3.7	3.1	2.5	3.1	3.6	4.5
90°	13.8	13.2	13.2	12.5	10.5	7.9	4.6	2.0	4.6	7.2	11.8
92.5°	16.4	16.3	15.3	14.1	11.6	11.6	11.4	7.2	12.5	17.8	25.5
95°	15.1	15.1	17.8	22.4	32.9	33.5	22.4	20.4	28.9	40.8	51.3
97.5°	40.9	48.7	59.7	61.8	58.5	43.7	41.8	38.9	53.0	64.7	81.7
100°	75.6	85.5	93.4	77.6	61.1	60.5	56.5	55.2	70.4	81.5	98.0
102.5°	118.2	121.2	93.9	85.0	81.1	78.4	72.3	71.5	86.7	102.0	115.9
105°	128.2	115.1	115.7	115.7	113.1	107.8	96.7	96.0	113.1	130.8	147.9
107.5°	150.8	152.8	156.2	155.4	152.4	138.3	125.2	122.2	137.6	158.9	177.7
110°	180.8	182.8	184.1	182.8	178.2	160.4	144.7	140.1	153.9	176.2	196.6



TEST NUMBER: P1428606

CATALOG NUMBER: SQ2W-WBN-K-050U-100D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	209.8	211.2	214.1	210.1	202.4	182.0	164.1	157.4	171.2	194.1	215.0
115°	255.8	255.8	256.4	254.5	238.7	217.6	194.0	184.1	195.9	217.0	240.0
117.5°	301.0	301.8	299.2	293.9	275.6	251.2	224.6	208.8	218.2	240.4	264.1
120°	329.4	330.7	328.1	320.2	302.5	274.8	244.6	226.2	233.4	255.1	278.8
122.5°	358.9	358.6	355.5	346.5	325.6	296.9	267.2	244.6	247.6	267.7	290.9
125°	399.8	399.1	396.5	386.0	364.3	334.7	299.8	272.2	268.3	285.4	309.0
127.5°	438.7	437.3	433.2	420.4	398.2	369.7	331.4	300.1	291.3	302.1	323.8
130°	465.5	463.6	456.3	442.5	420.8	393.9	355.1	319.6	307.1	313.6	332.7
132.5°	491.3	485.6	479.5	464.6	444.5	416.5	377.2	340.1	322.8	325.7	340.6
135°	524.0	518.8	510.9	496.4	477.4	449.7	410.3	370.2	346.5	343.9	352.4
137.5°	552.8	547.3	538.4	525.9	506.7	482.1	444.2	401.9	372.0	363.2	366.5
140°	570.7	564.2	556.3	543.8	526.7	501.0	464.2	423.4	389.9	377.4	375.4
142.5°	585.5	580.5	572.0	560.6	545.6	520.0	484.2	444.0	408.3	392.1	387.5
145°	607.6	603.6	594.4	583.9	571.4	545.7	512.9	472.8	437.3	416.2	406.4
147.5°	626.2	623.1	615.8	603.5	593.0	568.4	538.4	502.9	466.4	440.4	427.7
150°	637.8	635.2	627.9	616.1	605.6	582.6	553.6	520.8	485.9	458.3	441.9
152.5°	648.8	646.2	637.9	626.1	617.2	595.7	569.4	538.1	502.7	475.1	458.2
155°	663.4	660.2	652.3	641.1	633.2	613.5	589.1	561.5	531.3	502.3	483.3
157.5°	675.0	670.9	663.6	654.0	645.6	627.4	606.2	582.4	556.0	528.4	508.9
160°	681.9	677.3	669.4	660.8	652.9	635.8	616.8	595.1	570.7	545.7	524.7
162.5°	686.6	682.5	673.0	665.5	658.7	643.2	625.2	605.6	583.9	562.1	542.6
165°	691.7	687.1	677.3	671.3	665.4	652.3	636.5	620.7	602.3	584.5	568.8
167.5°	692.1	688.3	678.4	672.6	668.3	657.0	644.2	632.1	617.8	603.9	590.7
170°	691.1	687.8	677.9	672.6	669.4	660.2	649.0	638.5	627.3	615.4	604.9
172.5°	687.4	684.1	674.8	670.5	668.8	660.7	651.6	643.7	634.1	625.4	617.0
175°	677.9	675.3	667.4	664.8	665.4	660.2	653.6	649.0	643.1	637.8	633.2
177.5°	664.1	662.5	656.7	656.7	658.8	655.7	653.6	651.5	648.8	647.3	645.7
180°	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9



TEST NUMBER: P1428606

CATALOG NUMBER: SQ2W-WBN-K-050U-100D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	7537.0	7537.0	7537.0	7537.0	7537.0	7537.0	7537.0	7537.0	7537.0	7537.0	7537.0
2.5°	7456.6	7454.0	7480.6	7498.9	7492.3	7485.6	7492.3	7498.9	7480.6	7454.0	7456.6
5°	7191.0	7200.5	7246.8	7278.9	7268.2	7257.5	7268.2	7278.9	7246.8	7200.5	7191.0
7.5°	6661.0	6673.4	6714.4	6742.3	6730.9	6719.5	6730.9	6742.3	6714.4	6673.4	6661.0
10°	6177.0	6195.2	6255.2	6290.1	6249.7	6209.3	6249.7	6290.1	6255.2	6195.2	6177.0
12.5°	5614.9	5611.6	5621.2	5622.9	5600.5	5578.2	5600.5	5622.9	5621.2	5611.6	5614.9
15°	4703.8	4689.8	4704.7	4714.2	4707.6	4701.1	4707.6	4714.2	4704.7	4689.8	4703.8
17.5°	3849.8	3830.2	3828.8	3825.9	3818.5	3811.1	3818.5	3825.9	3828.8	3830.2	3849.8
20°	3308.5	3303.1	3315.0	3323.6	3322.4	3321.2	3322.4	3323.6	3315.0	3303.1	3308.5
22.5°	2847.3	2841.7	2859.3	2869.9	2859.2	2848.5	2859.2	2869.9	2859.3	2841.7	2847.3
25°	2282.2	2268.5	2259.6	2253.4	2255.2	2256.9	2255.2	2253.4	2259.6	2268.5	2282.2
27.5°	1860.6	1856.7	1862.6	1866.0	1861.6	1857.2	1861.6	1866.0	1862.6	1856.7	1860.6
30°	1654.4	1649.0	1652.6	1653.9	1648.6	1643.2	1648.6	1653.9	1652.6	1649.0	1654.4
32.5°	1480.3	1472.1	1470.4	1468.2	1464.3	1460.3	1464.3	1468.2	1470.4	1472.1	1480.3
35°	1242.0	1231.0	1222.1	1214.0	1208.7	1203.3	1208.7	1214.0	1222.1	1231.0	1242.0
37.5°	1023.0	1011.0	997.9	987.0	982.4	977.9	982.4	987.0	997.9	1011.0	1023.0
40°	882.3	870.7	855.3	842.8	839.2	835.7	839.2	842.8	855.3	870.7	882.3
42.5°	742.2	731.1	716.6	703.7	695.9	688.0	695.9	703.7	716.6	731.1	742.2
45°	545.4	541.5	525.5	502.0	456.2	410.5	456.2	502.0	525.5	541.5	545.4
47.5°	378.4	369.7	325.2	280.5	235.6	190.7	235.6	280.5	325.2	369.7	378.4
50°	287.0	278.1	219.3	170.1	149.9	129.7	149.9	170.1	219.3	278.1	287.0
52.5°	223.8	219.6	167.9	126.4	115.2	104.0	115.2	126.4	167.9	219.6	223.8
55°	137.3	135.8	107.9	85.7	81.0	76.2	81.0	85.7	107.9	135.8	137.3
57.5°	85.1	84.3	73.7	65.0	62.1	59.1	62.1	65.0	73.7	84.3	85.1
60°	66.1	65.5	60.2	55.4	52.4	49.5	52.4	55.4	60.2	65.5	66.1
62.5°	54.5	53.6	50.2	47.3	46.3	45.2	46.3	47.3	50.2	53.6	54.5
65°	42.8	42.2	41.0	40.0	39.4	38.8	39.4	40.0	41.0	42.2	42.8
67.5°	36.4	36.1	35.5	34.9	34.3	33.7	34.3	34.9	35.5	36.1	36.4
70°	32.4	31.8	31.2	30.6	30.0	29.4	30.0	30.6	31.2	31.8	32.4
72.5°	28.1	27.8	27.6	27.4	26.8	26.2	26.8	27.4	27.6	27.8	28.1
75°	22.7	22.4	21.8	21.4	21.4	21.4	21.4	21.4	21.8	22.4	22.7
77.5°	16.9	16.6	16.6	16.5	16.0	15.5	16.0	16.5	16.6	16.6	16.9
80°	13.7	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.7
82.5°	10.5	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.5
85°	5.6	5.6	6.2	6.5	5.9	5.3	5.9	6.5	6.2	5.6	5.6
87.5°	5.2	6.1	7.0	7.5	8.1	7.8	8.1	7.5	7.0	6.1	5.2
90°	15.1	19.7	24.3	27.0	29.6	28.3	29.6	27.0	24.3	19.7	15.1
92.5°	30.4	38.1	43.8	48.5	50.6	50.4	50.6	48.5	43.8	38.1	30.4
95°	61.1	70.4	79.6	86.1	90.1	88.8	90.1	86.1	79.6	70.4	61.1
97.5°	94.3	106.7	116.9	123.1	127.0	129.7	127.0	123.1	116.9	106.7	94.3
100°	116.4	128.2	140.1	147.3	153.9	156.5	153.9	147.3	140.1	128.2	116.4
102.5°	134.3	149.8	162.7	170.4	176.0	178.6	176.0	170.4	162.7	149.8	134.3
105°	163.7	180.2	194.0	203.8	209.8	211.7	209.8	203.8	194.0	180.2	163.7
107.5°	193.2	210.1	222.9	233.8	241.0	245.3	241.0	233.8	222.9	210.1	193.2
110°	216.3	230.1	243.9	253.8	261.0	263.7	261.0	253.8	243.9	230.1	216.3



TEST NUMBER: P1428606

CATALOG NUMBER: SQ2W-WBN-K-050U-100D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	235.8	251.2	265.0	274.8	283.1	286.8	283.1	274.8	265.0	251.2	235.8
115°	263.0	283.4	295.9	305.1	311.0	314.3	311.0	305.1	295.9	283.4	263.0
117.5°	285.6	306.9	320.6	327.7	330.5	332.8	330.5	327.7	320.6	306.9	285.6
120°	299.8	319.6	335.3	344.5	347.8	349.1	347.8	344.5	335.3	319.6	299.8
122.5°	313.0	331.7	346.9	358.2	363.6	364.9	363.6	358.2	346.9	331.7	313.0
125°	331.4	349.1	364.9	376.1	382.0	385.3	382.0	376.1	364.9	349.1	331.4
127.5°	347.4	366.6	381.1	391.2	397.0	399.6	397.0	391.2	381.1	366.6	347.4
130°	356.4	376.1	390.6	401.7	407.0	409.6	407.0	401.7	390.6	376.1	356.4
132.5°	363.2	384.0	399.0	409.1	414.9	417.5	414.9	409.1	399.0	384.0	363.2
135°	371.5	393.2	409.0	418.8	424.1	426.7	424.1	418.8	409.0	393.2	371.5
137.5°	378.7	398.5	414.9	425.3	430.0	431.7	430.0	425.3	414.9	398.5	378.7
140°	384.0	401.1	417.5	427.4	432.7	433.3	432.7	427.4	417.5	401.1	384.0
142.5°	390.8	404.2	418.6	428.4	433.7	434.9	433.7	428.4	418.6	404.2	390.8
145°	403.1	411.0	420.8	430.0	434.6	435.9	434.6	430.0	420.8	411.0	403.1
147.5°	418.4	420.9	426.1	432.1	436.6	437.5	436.6	432.1	426.1	420.9	418.4
150°	430.0	429.4	431.3	435.3	439.2	438.6	439.2	435.3	431.3	429.4	430.0
152.5°	443.2	439.4	439.2	441.1	442.9	442.8	442.9	441.1	439.2	439.4	443.2
155°	465.5	458.3	454.3	453.0	453.0	452.4	453.0	453.0	454.3	458.3	465.5
157.5°	490.1	480.0	474.1	470.9	470.0	468.6	470.0	470.9	474.1	480.0	490.1
160°	507.0	495.8	489.9	484.6	482.6	480.7	482.6	484.6	489.9	495.8	507.0
162.5°	522.7	512.1	505.6	500.9	498.9	495.9	498.9	500.9	505.6	512.1	522.7
165°	548.4	537.2	530.0	526.0	523.4	520.8	523.4	526.0	530.0	537.2	548.4
167.5°	574.0	561.8	557.1	552.6	550.1	545.4	550.1	552.6	557.1	561.8	574.0
170°	589.8	578.6	576.0	572.0	567.4	562.2	567.4	572.0	576.0	578.6	589.8
172.5°	603.5	596.0	593.4	589.4	588.0	583.8	588.0	589.4	593.4	596.0	603.5
175°	623.3	617.4	617.4	616.8	614.8	610.8	614.8	616.8	617.4	617.4	623.3
177.5°	639.9	636.7	638.9	638.9	638.3	634.6	638.3	638.9	638.9	636.7	639.9
180°	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9



TEST NUMBER: P1428606

CATALOG NUMBER: SQ2W-WBN-K-050U-100D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	7537.0	7537.0	7537.0	7537.0
2.5°	7488.5	7513.8	7519.5	7525.2
5°	7218.3	7240.0	7244.8	7249.5
7.5°	6677.2	6688.3	6684.2	6680.2
10°	6200.8	6216.0	6205.3	6194.6
12.5°	5631.1	5644.9	5651.8	5658.7
15°	4746.5	4784.9	4809.8	4834.8
17.5°	3887.6	3913.6	3903.9	3894.3
20°	3331.0	3347.2	3344.3	3341.3
22.5°	2876.1	2897.5	2896.9	2896.3
25°	2300.6	2314.9	2316.7	2318.5
27.5°	1874.4	1886.6	1893.9	1901.3
30°	1668.6	1680.8	1686.8	1692.7
32.5°	1495.0	1506.0	1505.8	1505.5
35°	1255.0	1264.0	1260.4	1256.8
37.5°	1034.1	1041.5	1038.2	1034.9
40°	890.0	895.2	892.9	890.5
42.5°	749.9	753.2	743.2	733.2
45°	537.1	522.9	491.4	459.9
47.5°	351.2	319.9	276.3	232.6
50°	246.0	207.7	177.4	147.1
52.5°	180.4	144.0	128.4	112.8
55°	112.3	92.1	86.2	80.2
57.5°	76.2	68.7	65.4	62.0
60°	62.0	58.2	55.9	53.5
62.5°	52.7	51.0	49.6	48.1
65°	42.8	42.6	42.0	41.4
67.5°	36.5	36.5	35.9	35.3
70°	33.0	33.3	32.7	32.1
72.5°	28.7	29.0	28.4	27.8
75°	22.7	22.7	22.7	22.7
77.5°	17.5	17.9	17.8	17.6
80°	14.3	14.6	14.0	13.4
82.5°	11.1	11.5	11.4	11.2
85°	6.2	6.7	6.7	6.7
87.5°	4.5	3.6	3.1	2.5
90°	11.8	7.2	4.6	2.0
92.5°	25.5	17.8	12.5	7.2
95°	51.3	40.8	28.9	20.4
97.5°	81.7	64.7	53.0	38.9
100°	98.0	81.5	70.4	55.2
102.5°	115.9	102.0	86.7	71.5
105°	147.9	130.8	113.1	96.0
107.5°	177.7	158.9	137.6	122.2
110°	196.6	176.2	153.9	140.1

TEST NUMBER: P1428606

CATALOG NUMBER: SQ2W-WBN-K-050U-100D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
112.5°	215.0	194.1	171.2	157.4
115°	240.0	217.0	195.9	184.1
117.5°	264.1	240.4	218.2	208.8
120°	278.8	255.1	233.4	226.2
122.5°	290.9	267.7	247.6	244.6
125°	309.0	285.4	268.3	272.2
127.5°	323.8	302.1	291.3	300.1
130°	332.7	313.6	307.1	319.6
132.5°	340.6	325.7	322.8	340.1
135°	352.4	343.9	346.5	370.2
137.5°	366.5	363.2	372.0	401.9
140°	375.4	377.4	389.9	423.4
142.5°	387.5	392.1	408.3	444.0
145°	406.4	416.2	437.3	472.8
147.5°	427.7	440.4	466.4	502.9
150°	441.9	458.3	485.9	520.8
152.5°	458.2	475.1	502.7	538.1
155°	483.3	502.3	531.3	561.5
157.5°	508.9	528.4	556.0	582.4
160°	524.7	545.7	570.7	595.1
162.5°	542.6	562.1	583.9	605.6
165°	568.8	584.5	602.3	620.7
167.5°	590.7	603.9	617.8	632.1
170°	604.9	615.4	627.3	638.5
172.5°	617.0	625.4	634.1	643.7
175°	633.2	637.8	643.1	649.0
177.5°	645.7	647.3	648.8	651.5
180°	650.9	650.9	650.9	650.9



TEST NUMBER: P1428606

CATALOG NUMBER: SQ2W-WBN-K-050U-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	4.63	5.42	5.45	6.22	7.19	4.25	5.04	5.07	5.84	6.81
	3H	5.86	6.56	6.69	7.37	8.37	5.47	6.16	6.29	6.97	7.97
	4H	6.38	7.03	7.22	7.85	8.87	5.98	6.63	6.83	7.45	8.47
	6H	6.74	7.33	7.59	8.16	9.18	6.32	6.91	7.17	7.74	8.77
	8H	6.88	7.44	7.74	8.29	9.31	6.46	7.02	7.32	7.86	8.89
	12H	6.98	7.51	7.84	8.35	9.40	6.53	7.06	7.39	7.90	8.95
4H	2H	4.96	5.61	5.80	6.43	7.44	4.64	5.29	5.49	6.11	7.13
	3H	6.46	6.99	7.31	7.84	8.87	6.11	6.65	6.96	7.50	8.53
	4H	7.10	7.58	7.96	8.43	9.49	6.75	7.23	7.61	8.08	9.14
	6H	7.59	8.00	8.47	8.88	9.94	7.21	7.62	8.09	8.49	9.56
	8H	7.80	8.19	8.68	9.05	10.13	7.40	7.79	8.28	8.65	9.73
	12H	7.94	8.28	8.84	9.17	10.25	7.51	7.85	8.41	8.74	9.82
8H	4H	7.26	7.65	8.14	8.51	9.59	6.94	7.33	7.82	8.20	9.27
	6H	7.90	8.21	8.80	9.12	10.19	7.54	7.85	8.45	8.77	9.84
	8H	8.21	8.49	9.13	9.39	10.49	7.83	8.10	8.75	9.01	10.10
	12H	8.44	8.68	9.36	9.58	10.73	8.03	8.27	8.94	9.16	10.31
12H	4H	7.24	7.58	8.14	8.47	9.55	6.94	7.28	7.83	8.17	9.24
	6H	7.93	8.20	8.85	9.11	10.20	7.59	7.86	8.51	8.77	9.86
	8H	8.28	8.52	9.20	9.42	10.56	7.91	8.15	8.83	9.05	10.20