

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: P1428609

Luminaire Tested: SQ2W-WBN-K-050U-125D-L935-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428609
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-125D-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 1250 LUMENS PER FOOT
UPLIGHT 500 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

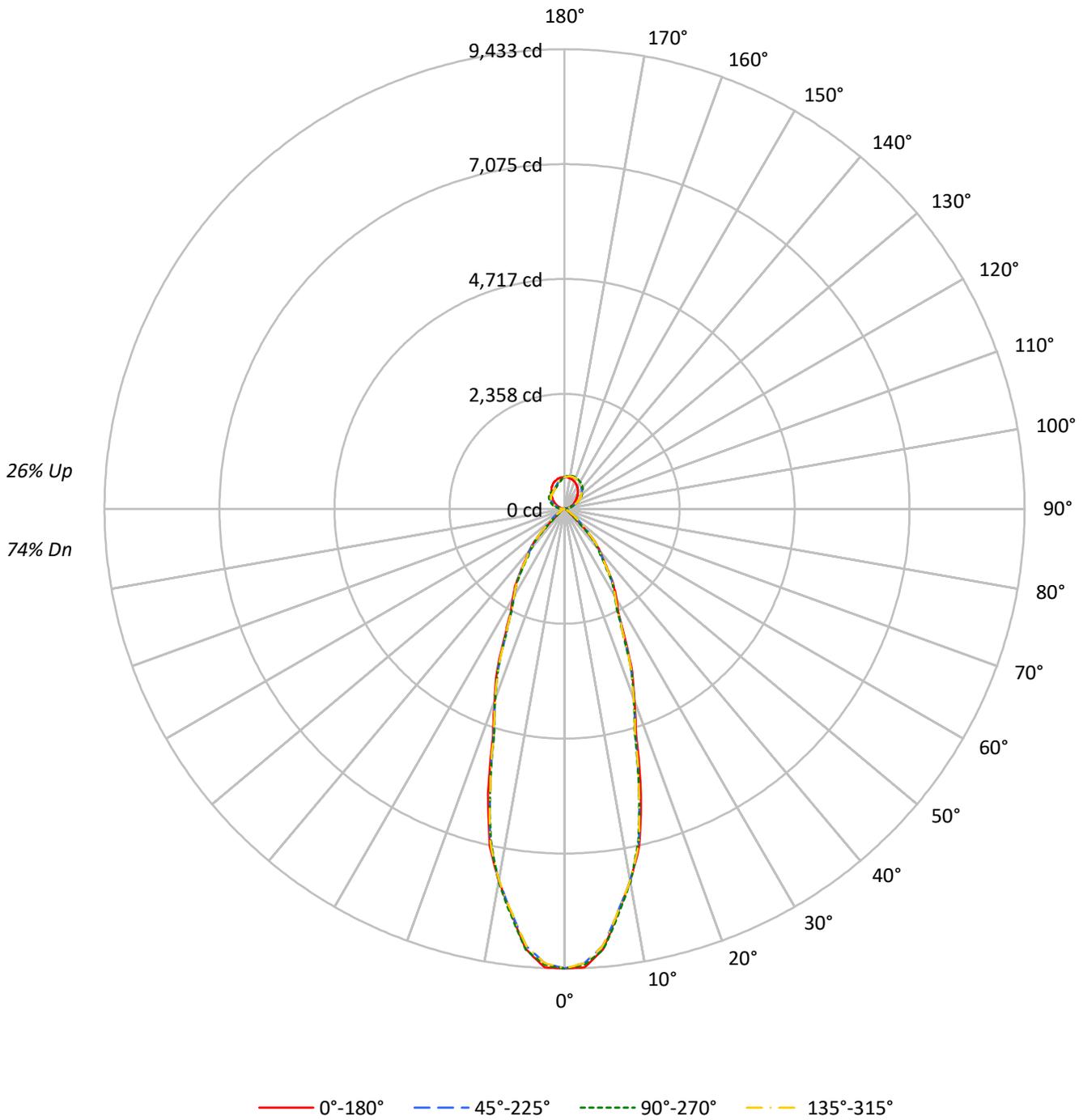
Lumens per Lamp: N/A
Luminaire Lumens: 7380.8 lumens
Efficiency: N/A
Efficacy: 114.1 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.63
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 64.7
Input Voltage (V): 120
Input Current (A_{in}): 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: P1428609

CATALOG NUMBER: SQ2W-WBN-K-050U-125D-L935-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	113	113	113	113	107	107	107	107	97	97	97	87	87	87	78	78	78	74
1	106	103	101	98	101	99	96	94	90	88	86	82	81	79	74	74	73	69
2	100	95	90	87	96	91	87	84	83	81	78	77	74	73	70	69	67	64
3	94	87	82	78	90	84	79	75	78	74	71	72	69	67	66	64	62	60
4	89	81	75	70	85	78	73	69	73	68	65	67	64	62	63	60	58	56
5	84	75	69	64	80	73	67	63	68	63	60	63	60	57	59	57	54	52
6	79	70	64	59	76	68	62	58	64	59	56	60	56	53	56	53	51	49
7	75	65	59	55	72	64	58	54	60	55	52	57	53	50	53	50	48	46
8	71	61	55	51	69	60	54	50	57	52	48	54	50	47	51	47	45	43
9	68	58	52	48	65	56	51	47	53	49	45	51	47	44	48	45	43	41
10	65	55	49	45	62	53	48	44	51	46	43	48	44	42	46	43	40	39

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	152299	152299	152299	152299
5°	147050	147212	147050	147212
10°	127104	127406	127104	127406
15°	101143	98345	101143	98345
20°	71851	71419	71851	71419
25°	51691	50321	51691	50321
30°	39496	38342	39496	38342
35°	31004	29683	31004	29683
40°	23490	22044	23490	22044
45°	13143	11729	13143	11729
50°	4624	4077	4624	4077
55°	2826	2685	2826	2685
60°	2160	1999	2160	1999
65°	1983	1853	1983	1853
70°	1898	1737	1898	1737
75°	1772	1672	1772	1672
80°	1553	1553	1553	1553
85°	1556	1241	1556	1241

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 15586 cd/sqm



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CATALOG NUMBER: SQ2W-WBN-K-050U-125D-L935-UNV-STD-W-WM-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	818.8	11.1
10°-20°	1627.4	22.0
20°-30°	1347.7	18.3
30°-40°	969.5	13.1
40°-50°	493.9	6.7
50°-60°	128.4	1.7
60°-70°	53.3	0.7
70°-80°	29.6	0.4
80°-90°	11.5	0.2
90°-100°	51.8	0.7
100°-110°	151.1	2.0
110°-120°	246.5	3.3
120°-130°	312.9	4.2
130°-140°	334.8	4.5
140°-150°	312.6	4.2
150°-160°	257.2	3.5
160°-170°	172.5	2.3
170°-180°	61.3	0.8
0°-30°	3793.9	51.4
0°-40°	4763.5	64.5
0°-60°	5385.8	73.0
0°-90°	5480.2	74.2
90°-120°	449.4	6.1
90°-150°	1409.7	19.1
90°-180°	1901.0	25.8
0°-180°	7380.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	9433	9433	9433	9433	9433	
5°	9073	9083	9073	9083	9073	818
15°	6051	5884	6051	5884	6051	1643
25°	2902	2825	2902	2825	2902	1365
35°	1573	1506	1573	1506	1573	987
45°	576	514	576	514	576	460
55°	100	95	100	95	100	99
65°	52	48	52	48	52	52
75°	28	27	28	27	28	30
85°	8	7	8	7	8	9
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	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	9432.9	9432.9	9432.9	9432.9	9432.9	9432.9	9432.9	9432.9	9432.9	9432.9	9432.9
2.5°	9418.1	9411.0	9403.9	9372.2	9332.3	9329.0	9362.4	9385.3	9376.9	9368.6	9376.9
5°	9073.1	9067.1	9061.2	9034.0	8999.8	9011.7	9069.7	9109.9	9096.5	9083.1	9096.5
7.5°	8360.6	8365.6	8370.7	8356.8	8336.5	8352.1	8403.4	8438.3	8424.0	8409.8	8424.0
10°	7752.8	7766.2	7779.6	7760.6	7730.9	7753.5	7828.7	7872.3	7821.8	7771.2	7821.8
12.5°	7082.1	7073.5	7064.8	7047.5	7027.3	7023.2	7035.2	7037.3	7009.3	6981.4	7009.3
15°	6051.0	6019.7	5988.5	5940.5	5887.0	5869.5	5888.1	5900.0	5891.8	5883.6	5891.8
17.5°	4873.9	4885.9	4898.0	4865.5	4818.2	4793.7	4791.9	4788.3	4779.0	4769.8	4779.0
20°	4181.8	4185.5	4189.2	4169.0	4140.7	4134.0	4148.9	4159.7	4158.2	4156.7	4158.2
22.5°	3624.9	3625.6	3626.4	3599.6	3563.6	3556.6	3578.6	3591.8	3578.4	3565.0	3578.4
25°	2901.6	2899.4	2897.2	2879.3	2856.3	2839.2	2828.0	2820.2	2822.4	2824.7	2822.4
27.5°	2379.6	2370.3	2361.1	2345.9	2328.6	2323.7	2331.1	2335.3	2329.8	2324.3	2329.8
30°	2118.5	2111.1	2103.6	2088.4	2070.5	2063.8	2068.3	2070.0	2063.3	2056.6	2063.3
32.5°	1884.2	1884.5	1884.8	1871.1	1852.6	1842.4	1840.3	1837.5	1832.6	1827.7	1832.6
35°	1573.0	1577.4	1581.9	1570.8	1554.4	1540.6	1529.5	1519.4	1512.7	1506.0	1512.7
37.5°	1295.2	1299.4	1303.5	1294.2	1280.4	1265.3	1248.9	1235.2	1229.6	1223.9	1229.6
40°	1114.5	1117.4	1120.4	1113.9	1104.2	1089.7	1070.4	1054.8	1050.3	1045.9	1050.3
42.5°	917.7	930.2	942.7	938.5	928.9	915.0	896.8	880.8	870.9	861.1	870.9
45°	575.6	615.1	654.5	672.1	682.6	677.7	657.6	628.3	571.0	513.7	571.0
47.5°	291.2	345.8	400.3	439.5	473.6	462.7	407.0	351.1	294.9	238.6	294.9
50°	184.1	222.0	259.9	307.9	359.2	348.1	274.4	212.9	187.6	162.3	187.6
52.5°	141.2	160.7	180.2	225.8	280.1	274.9	210.2	158.2	144.2	130.2	144.2
55°	100.4	107.8	115.3	140.6	171.8	169.9	135.0	107.3	101.3	95.4	101.3
57.5°	77.6	81.8	86.0	95.4	106.5	105.5	92.3	81.4	77.7	74.0	77.7
60°	66.9	69.9	72.9	77.5	82.7	82.0	75.3	69.4	65.6	61.9	65.6
62.5°	60.2	62.0	63.8	65.9	68.2	67.1	62.8	59.2	57.9	56.6	57.9
65°	51.9	52.6	53.4	53.5	53.5	52.8	51.3	50.0	49.3	48.5	49.3
67.5°	44.2	44.9	45.7	45.7	45.6	45.1	44.4	43.7	42.9	42.2	42.9
70°	40.2	40.9	41.6	41.3	40.5	39.8	39.0	38.3	37.6	36.8	37.6
72.5°	34.8	35.6	36.3	35.9	35.2	34.7	34.6	34.3	33.5	32.8	33.5
75°	28.4	28.4	28.4	28.4	28.4	28.1	27.3	26.8	26.8	26.8	26.8
77.5°	22.1	22.2	22.4	21.9	21.1	20.7	20.7	20.6	20.0	19.4	20.0
80°	16.7	17.5	18.2	17.8	17.1	16.7	16.7	16.7	16.7	16.7	16.7
82.5°	14.1	14.2	14.4	13.8	13.1	12.7	12.7	12.7	12.7	12.7	12.7
85°	8.4	8.4	8.4	7.8	7.1	7.1	7.8	8.2	7.4	6.7	7.4
87.5°	3.1	3.6	4.3	4.8	5.2	5.3	5.3	5.4	5.6	5.6	5.6
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: P1428609

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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



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	9432.9	9432.9	9432.9	9432.9	9432.9	9432.9	9432.9	9432.9	9432.9	9432.9	9432.9
2.5°	9385.3	9362.4	9329.0	9332.3	9372.2	9403.9	9411.0	9418.1	9411.0	9403.9	9372.2
5°	9109.9	9069.7	9011.7	8999.8	9034.0	9061.2	9067.1	9073.1	9067.1	9061.2	9034.0
7.5°	8438.3	8403.4	8352.1	8336.5	8356.8	8370.7	8365.6	8360.6	8365.6	8370.7	8356.8
10°	7872.3	7828.7	7753.5	7730.9	7760.6	7779.6	7766.2	7752.8	7766.2	7779.6	7760.6
12.5°	7037.3	7035.2	7023.2	7027.3	7047.5	7064.8	7073.5	7082.1	7073.5	7064.8	7047.5
15°	5900.0	5888.1	5869.5	5887.0	5940.5	5988.5	6019.7	6051.0	6019.7	5988.5	5940.5
17.5°	4788.3	4791.9	4793.7	4818.2	4865.5	4898.0	4885.9	4873.9	4885.9	4898.0	4865.5
20°	4159.7	4148.9	4134.0	4140.7	4169.0	4189.2	4185.5	4181.8	4185.5	4189.2	4169.0
22.5°	3591.8	3578.6	3556.6	3563.6	3599.6	3626.4	3625.6	3624.9	3625.6	3626.4	3599.6
25°	2820.2	2828.0	2839.2	2856.3	2879.3	2897.2	2899.4	2901.6	2899.4	2897.2	2879.3
27.5°	2335.3	2331.1	2323.7	2328.6	2345.9	2361.1	2370.3	2379.6	2370.3	2361.1	2345.9
30°	2070.0	2068.3	2063.8	2070.5	2088.4	2103.6	2111.1	2118.5	2111.1	2103.6	2088.4
32.5°	1837.5	1840.3	1842.4	1852.6	1871.1	1884.8	1884.5	1884.2	1884.5	1884.8	1871.1
35°	1519.4	1529.5	1540.6	1554.4	1570.8	1581.9	1577.4	1573.0	1577.4	1581.9	1570.8
37.5°	1235.2	1248.9	1265.3	1280.4	1294.2	1303.5	1299.4	1295.2	1299.4	1303.5	1294.2
40°	1054.8	1070.4	1089.7	1104.2	1113.9	1120.4	1117.4	1114.5	1117.4	1120.4	1113.9
42.5°	880.8	896.8	915.0	928.9	938.5	942.7	930.2	917.7	930.2	942.7	938.5
45°	628.3	657.6	677.7	682.6	672.1	654.5	615.1	575.6	615.1	654.5	672.1
47.5°	351.1	407.0	462.7	473.6	439.5	400.3	345.8	291.2	345.8	400.3	439.5
50°	212.9	274.4	348.1	359.2	307.9	259.9	222.0	184.1	222.0	259.9	307.9
52.5°	158.2	210.2	274.9	280.1	225.8	180.2	160.7	141.2	160.7	180.2	225.8
55°	107.3	135.0	169.9	171.8	140.6	115.3	107.8	100.4	107.8	115.3	140.6
57.5°	81.4	92.3	105.5	106.5	95.4	86.0	81.8	77.6	81.8	86.0	95.4
60°	69.4	75.3	82.0	82.7	77.5	72.9	69.9	66.9	69.9	72.9	77.5
62.5°	59.2	62.8	67.1	68.2	65.9	63.8	62.0	60.2	62.0	63.8	65.9
65°	50.0	51.3	52.8	53.5	53.5	53.4	52.6	51.9	52.6	53.4	53.5
67.5°	43.7	44.4	45.1	45.6	45.7	45.7	44.9	44.2	44.9	45.7	45.7
70°	38.3	39.0	39.8	40.5	41.3	41.6	40.9	40.2	40.9	41.6	41.3
72.5°	34.3	34.6	34.7	35.2	35.9	36.3	35.6	34.8	35.6	36.3	35.9
75°	26.8	27.3	28.1	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4
77.5°	20.6	20.7	20.7	21.1	21.9	22.4	22.2	22.1	22.2	22.4	21.9
80°	16.7	16.7	16.7	17.1	17.8	18.2	17.5	16.7	17.5	18.2	17.8
82.5°	12.7	12.7	12.7	13.1	13.8	14.4	14.2	14.1	14.2	14.4	13.8
85°	8.2	7.8	7.1	7.1	7.8	8.4	8.4	8.4	8.4	8.4	7.8
87.5°	5.4	5.3	5.3	5.2	4.8	4.3	3.6	3.1	3.6	4.1	5.0
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: P1428609

CATALOG NUMBER: SQ2W-WBN-K-050U-125D-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: P1428609

CATALOG NUMBER: SQ2W-WBN-K-050U-125D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	9432.9	9432.9	9432.9	9432.9	9432.9	9432.9	9432.9	9432.9	9432.9	9432.9	9432.9
2.5°	9332.3	9329.0	9362.4	9385.3	9376.9	9368.6	9376.9	9385.3	9362.4	9329.0	9332.3
5°	8999.8	9011.7	9069.7	9109.9	9096.5	9083.1	9096.5	9109.9	9069.7	9011.7	8999.8
7.5°	8336.5	8352.1	8403.4	8438.3	8424.0	8409.8	8424.0	8438.3	8403.4	8352.1	8336.5
10°	7730.9	7753.5	7828.7	7872.3	7821.8	7771.2	7821.8	7872.3	7828.7	7753.5	7730.9
12.5°	7027.3	7023.2	7035.2	7037.3	7009.3	6981.4	7009.3	7037.3	7035.2	7023.2	7027.3
15°	5887.0	5869.5	5888.1	5900.0	5891.8	5883.6	5891.8	5900.0	5888.1	5869.5	5887.0
17.5°	4818.2	4793.7	4791.9	4788.3	4779.0	4769.8	4779.0	4788.3	4791.9	4793.7	4818.2
20°	4140.7	4134.0	4148.9	4159.7	4158.2	4156.7	4158.2	4159.7	4148.9	4134.0	4140.7
22.5°	3563.6	3556.6	3578.6	3591.8	3578.4	3565.0	3578.4	3591.8	3578.6	3556.6	3563.6
25°	2856.3	2839.2	2828.0	2820.2	2822.4	2824.7	2822.4	2820.2	2828.0	2839.2	2856.3
27.5°	2328.6	2323.7	2331.1	2335.3	2329.8	2324.3	2329.8	2335.3	2331.1	2323.7	2328.6
30°	2070.5	2063.8	2068.3	2070.0	2063.3	2056.6	2063.3	2070.0	2068.3	2063.8	2070.5
32.5°	1852.6	1842.4	1840.3	1837.5	1832.6	1827.7	1832.6	1837.5	1840.3	1842.4	1852.6
35°	1554.4	1540.6	1529.5	1519.4	1512.7	1506.0	1512.7	1519.4	1529.5	1540.6	1554.4
37.5°	1280.4	1265.3	1248.9	1235.2	1229.6	1223.9	1229.6	1235.2	1248.9	1265.3	1280.4
40°	1104.2	1089.7	1070.4	1054.8	1050.3	1045.9	1050.3	1054.8	1070.4	1089.7	1104.2
42.5°	928.9	915.0	896.8	880.8	870.9	861.1	870.9	880.8	896.8	915.0	928.9
45°	682.6	677.7	657.6	628.3	571.0	513.7	571.0	628.3	657.6	677.7	682.6
47.5°	473.6	462.7	407.0	351.1	294.9	238.6	294.9	351.1	407.0	462.7	473.6
50°	359.2	348.1	274.4	212.9	187.6	162.3	187.6	212.9	274.4	348.1	359.2
52.5°	280.1	274.9	210.2	158.2	144.2	130.2	144.2	158.2	210.2	274.9	280.1
55°	171.8	169.9	135.0	107.3	101.3	95.4	101.3	107.3	135.0	169.9	171.8
57.5°	106.5	105.5	92.3	81.4	77.7	74.0	77.7	81.4	92.3	105.5	106.5
60°	82.7	82.0	75.3	69.4	65.6	61.9	65.6	69.4	75.3	82.0	82.7
62.5°	68.2	67.1	62.8	59.2	57.9	56.6	57.9	59.2	62.8	67.1	68.2
65°	53.5	52.8	51.3	50.0	49.3	48.5	49.3	50.0	51.3	52.8	53.5
67.5°	45.6	45.1	44.4	43.7	42.9	42.2	42.9	43.7	44.4	45.1	45.6
70°	40.5	39.8	39.0	38.3	37.6	36.8	37.6	38.3	39.0	39.8	40.5
72.5°	35.2	34.7	34.6	34.3	33.5	32.8	33.5	34.3	34.6	34.7	35.2
75°	28.4	28.1	27.3	26.8	26.8	26.8	26.8	26.8	27.3	28.1	28.4
77.5°	21.1	20.7	20.7	20.6	20.0	19.4	20.0	20.6	20.7	20.7	21.1
80°	17.1	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	17.1
82.5°	13.1	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	13.1
85°	7.1	7.1	7.8	8.2	7.4	6.7	7.4	8.2	7.8	7.1	7.1
87.5°	5.7	6.6	7.5	8.1	8.6	8.3	8.6	8.1	7.5	6.6	5.7
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: P1428609

CATALOG NUMBER: SQ2W-WBN-K-050U-125D-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: P1428609

CATALOG NUMBER: SQ2W-WBN-K-050U-125D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	9432.9	9432.9	9432.9	9432.9
2.5°	9372.2	9403.9	9411.0	9418.1
5°	9034.0	9061.2	9067.1	9073.1
7.5°	8356.8	8370.7	8365.6	8360.6
10°	7760.6	7779.6	7766.2	7752.8
12.5°	7047.5	7064.8	7073.5	7082.1
15°	5940.5	5988.5	6019.7	6051.0
17.5°	4865.5	4898.0	4885.9	4873.9
20°	4169.0	4189.2	4185.5	4181.8
22.5°	3599.6	3626.4	3625.6	3624.9
25°	2879.3	2897.2	2899.4	2901.6
27.5°	2345.9	2361.1	2370.3	2379.6
30°	2088.4	2103.6	2111.1	2118.5
32.5°	1871.1	1884.8	1884.5	1884.2
35°	1570.8	1581.9	1577.4	1573.0
37.5°	1294.2	1303.5	1299.4	1295.2
40°	1113.9	1120.4	1117.4	1114.5
42.5°	938.5	942.7	930.2	917.7
45°	672.1	654.5	615.1	575.6
47.5°	439.5	400.3	345.8	291.2
50°	307.9	259.9	222.0	184.1
52.5°	225.8	180.2	160.7	141.2
55°	140.6	115.3	107.8	100.4
57.5°	95.4	86.0	81.8	77.6
60°	77.5	72.9	69.9	66.9
62.5°	65.9	63.8	62.0	60.2
65°	53.5	53.4	52.6	51.9
67.5°	45.7	45.7	44.9	44.2
70°	41.3	41.6	40.9	40.2
72.5°	35.9	36.3	35.6	34.8
75°	28.4	28.4	28.4	28.4
77.5°	21.9	22.4	22.2	22.1
80°	17.8	18.2	17.5	16.7
82.5°	13.8	14.4	14.2	14.1
85°	7.8	8.4	8.4	8.4
87.5°	5.0	4.1	3.6	3.1
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: P1428609

CATALOG NUMBER: SQ2W-WBN-K-050U-125D-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: P1428609
 CATALOG NUMBER: SQ2W-WBN-K-050U-125D-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	5.80	6.61	6.56	7.35	8.25	5.42	6.23	6.18	6.98	7.87
	3H	7.02	7.74	7.80	8.50	9.42	6.63	7.35	7.40	8.11	9.03
	4H	7.54	8.22	8.33	8.98	9.92	7.15	7.82	7.94	8.59	9.53
	6H	7.90	8.51	8.70	9.29	10.24	7.48	8.10	8.28	8.87	9.82
	8H	8.04	8.62	8.86	9.42	10.37	7.62	8.20	8.43	8.99	9.94
	12H	8.14	8.69	8.95	9.48	10.45	7.69	8.24	8.50	9.03	10.00
4H	2H	6.12	6.79	6.92	7.56	8.50	5.81	6.48	6.60	7.25	8.19
	3H	7.62	8.17	8.42	8.97	9.92	7.28	7.83	8.08	8.63	9.58
	4H	8.26	8.76	9.08	9.56	10.55	7.91	8.41	8.72	9.21	10.19
	6H	8.75	9.18	9.58	10.00	11.00	8.37	8.79	9.20	9.62	10.61
	8H	8.96	9.36	9.80	10.18	11.18	8.56	8.96	9.39	9.78	10.78
	12H	9.10	9.45	9.95	10.30	11.30	8.67	9.02	9.52	9.87	10.87
8H	4H	8.42	8.82	9.26	9.64	10.64	8.11	8.50	8.94	9.33	10.32
	6H	9.06	9.38	9.92	10.24	11.24	8.70	9.02	9.56	9.89	10.89
	8H	9.37	9.65	10.24	10.52	11.53	8.98	9.27	9.86	10.13	11.15
	12H	9.60	9.85	10.47	10.70	11.78	9.19	9.43	10.06	10.28	11.36
12H	4H	8.40	8.75	9.25	9.60	10.60	8.10	8.45	8.95	9.29	10.30
	6H	9.09	9.37	9.96	10.23	11.25	8.75	9.03	9.62	9.89	10.91
	8H	9.44	9.69	10.31	10.54	11.61	9.07	9.32	9.94	10.17	11.24