

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: P1427595

Luminaire Tested: SQ2W-BBN-K-050U-075D-L935-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1427595
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G3-2308-130-1)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-BBN-K-050U-075D-L935-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - BLACK DISCREET BAFFLE, NARROW 35-DEGREE OPTIC
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 750 LUMENS PER FOOT
UPLIGHT 500 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

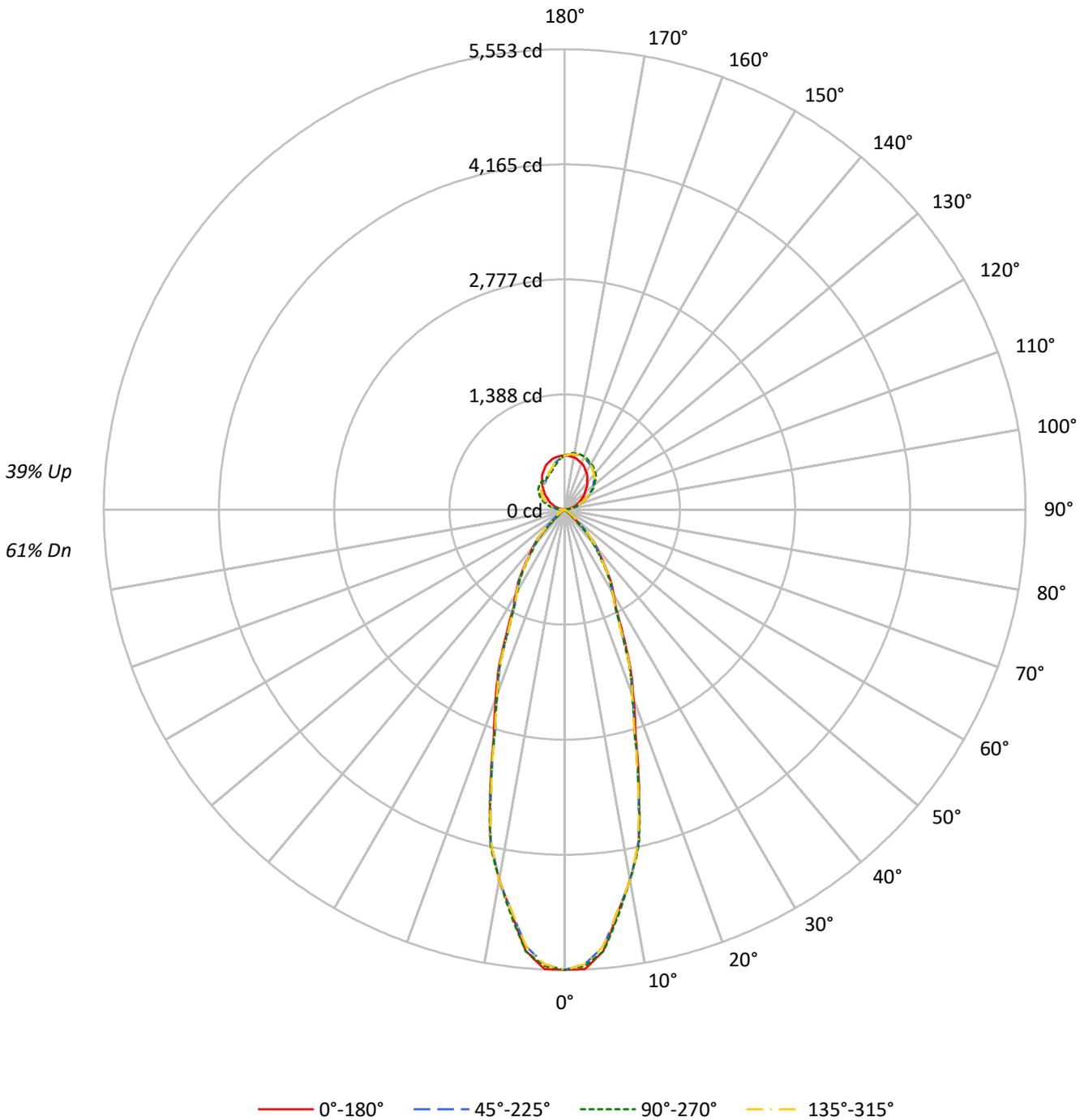
Lumens per Lamp: N/A
Luminaire Lumens: 4905.1 lumens
Efficiency: N/A
Efficacy: 115.4 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.62
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 42.5
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

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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	110	110	110	110	103	103	103	103	90	90	90	78	78	78	66	66	66	61
1	103	100	97	95	97	94	92	90	83	81	80	73	72	71	63	63	62	58
2	97	91	87	83	91	86	83	79	77	74	72	68	66	65	60	59	58	54
3	91	84	79	74	86	80	75	71	72	68	65	64	61	59	57	55	54	50
4	86	77	71	67	81	74	68	64	67	63	60	60	57	55	54	52	50	47
5	81	72	65	61	76	68	63	59	62	58	55	56	53	51	51	49	47	44
6	76	67	60	56	72	64	58	54	58	54	51	53	50	47	48	46	44	42
7	72	62	56	51	68	60	54	50	55	50	47	50	47	44	46	43	42	39
8	68	58	52	48	65	56	50	46	52	47	44	48	44	42	44	41	39	37
9	65	55	49	44	61	53	47	43	49	44	41	45	42	39	42	39	37	35
10	61	51	46	42	58	50	44	41	46	42	39	43	39	37	40	37	35	34

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	89661	89661	89661	89661
5°	86662	86710	86662	86710
10°	74374	74374	74374	74374
15°	57727	57594	57727	57594
20°	41664	40769	41664	40769
25°	29542	28418	29542	28418
30°	21979	21214	21979	21214
35°	17102	16312	17102	16312
40°	12656	11558	12656	11558
45°	6466	5211	6466	5211
50°	1407	1030	1407	1030
55°	394	310	394	310
60°	65	32	65	32
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: 7889 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	480.2	9.8
10°-20°	946.8	19.3
20°-30°	763.7	15.6
30°-40°	530.5	10.8
40°-50°	245.1	5.0
50°-60°	34.3	0.7
60°-70°	1.2	0.0
70°-80°	0.0	0.0
80°-90°	3.5	0.1
90°-100°	51.8	1.1
100°-110°	151.1	3.1
110°-120°	246.5	5.0
120°-130°	312.9	6.4
130°-140°	334.8	6.8
140°-150°	312.6	6.4
150°-160°	257.2	5.2
160°-170°	172.5	3.5
170°-180°	61.3	1.2
0°-30°	2190.7	44.7
0°-40°	2721.2	55.5
0°-60°	3000.6	61.2
0°-90°	3005.2	61.3
90°-120°	449.4	9.2
90°-150°	1409.7	28.7
90°-180°	1901.0	38.8
0°-180°	4905.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	5553	5553	5553	5553	5553	
5°	5347	5350	5347	5350	5347	481
15°	3454	3446	3454	3446	3454	951
25°	1658	1595	1658	1595	1658	776
35°	868	828	868	828	868	543
45°	283	228	283	228	283	229
55°	14	11	14	11	14	18
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
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°	5553.3	5553.3	5553.3	5553.3	5553.3	5553.3	5553.3	5553.3	5553.3	5553.3	5553.3
2.5°	5550.1	5540.8	5531.6	5513.2	5491.9	5491.0	5510.6	5523.7	5517.7	5511.6	5517.7
5°	5347.1	5334.2	5321.3	5305.7	5289.3	5295.5	5324.4	5346.5	5348.3	5350.1	5348.3
7.5°	4899.2	4903.3	4907.5	4896.8	4881.2	4889.3	4921.4	4944.5	4941.1	4937.6	4941.1
10°	4536.5	4539.6	4542.7	4542.1	4540.4	4544.8	4555.5	4560.5	4548.5	4536.5	4548.5
12.5°	4116.2	4128.5	4140.9	4126.6	4103.5	4099.9	4116.0	4129.2	4134.3	4139.4	4134.3
15°	3453.6	3473.7	3493.7	3465.3	3420.8	3409.3	3430.6	3446.5	3446.1	3445.6	3446.1
17.5°	2832.4	2830.3	2828.3	2810.8	2788.1	2778.7	2782.7	2785.4	2784.1	2782.7	2784.1
20°	2424.9	2421.7	2418.6	2403.5	2384.4	2373.3	2370.2	2368.4	2370.6	2372.8	2370.6
22.5°	2075.8	2070.5	2065.3	2059.0	2052.3	2045.1	2037.4	2032.3	2035.2	2038.2	2035.2
25°	1658.3	1641.4	1624.5	1610.9	1598.4	1597.6	1608.2	1613.9	1604.6	1595.2	1604.6
27.5°	1331.0	1330.8	1330.5	1322.5	1311.9	1307.2	1308.3	1309.6	1311.4	1313.2	1311.4
30°	1178.9	1175.8	1172.7	1164.2	1154.0	1149.1	1149.5	1148.5	1143.2	1137.9	1143.2
32.5°	1043.6	1045.8	1048.0	1039.1	1026.3	1018.8	1016.4	1013.2	1007.9	1002.6	1007.9
35°	867.7	867.7	867.7	860.3	850.5	842.3	835.6	830.3	829.0	827.6	829.0
37.5°	704.5	703.7	702.9	697.5	690.6	682.4	673.0	665.0	661.6	658.1	661.6
40°	600.5	598.2	596.0	592.1	587.7	579.7	568.1	558.2	553.3	548.4	553.3
42.5°	482.0	487.9	493.9	492.0	487.6	479.6	468.0	457.5	450.1	442.7	450.1
45°	283.2	308.1	333.0	341.9	345.5	340.6	327.3	307.3	267.8	228.2	267.8
47.5°	121.7	149.1	176.5	199.5	221.0	214.2	179.1	144.5	111.6	78.7	111.6
50°	56.0	77.4	98.7	127.4	158.6	152.1	108.1	71.3	56.2	41.0	56.2
52.5°	32.8	43.5	54.2	81.0	113.2	110.3	72.3	41.8	33.8	25.8	33.8
55°	14.0	17.6	21.1	35.7	53.9	53.0	33.0	17.2	14.1	11.0	14.1
57.5°	5.2	7.2	9.1	14.3	20.7	20.3	13.1	7.4	5.8	4.2	5.8
60°	2.0	2.9	3.8	6.3	9.5	9.2	5.7	2.8	1.9	1.0	1.9
62.5°	0.4	0.9	1.5	2.9	4.6	4.5	2.7	1.3	0.7	0.2	0.7
65°	0.0	0.0	0.0	0.3	0.8	0.8	0.3	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°	0.4	0.9	1.6	2.1	2.5	2.6	2.6	2.8	2.9	2.9	2.9
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



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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°	5553.3	5553.3	5553.3	5553.3	5553.3	5553.3	5553.3	5553.3	5553.3	5553.3	5553.3
2.5°	5523.7	5510.6	5491.0	5491.9	5513.2	5531.6	5540.8	5550.1	5540.8	5531.6	5513.2
5°	5346.5	5324.4	5295.5	5289.3	5305.7	5321.3	5334.2	5347.1	5334.2	5321.3	5305.7
7.5°	4944.5	4921.4	4889.3	4881.2	4896.8	4907.5	4903.3	4899.2	4903.3	4907.5	4896.8
10°	4560.5	4555.5	4544.8	4540.4	4542.1	4542.7	4539.6	4536.5	4539.6	4542.7	4542.1
12.5°	4129.2	4116.0	4099.9	4103.5	4126.6	4140.9	4128.5	4116.2	4128.5	4140.9	4126.6
15°	3446.5	3430.6	3409.3	3420.8	3465.3	3493.7	3473.7	3453.6	3473.7	3493.7	3465.3
17.5°	2785.4	2782.7	2778.7	2788.1	2810.8	2828.3	2830.3	2832.4	2830.3	2828.3	2810.8
20°	2368.4	2370.2	2373.3	2384.4	2403.5	2418.6	2421.7	2424.9	2421.7	2418.6	2403.5
22.5°	2032.3	2037.4	2045.1	2052.3	2059.0	2065.3	2070.5	2075.8	2070.5	2065.3	2059.0
25°	1613.9	1608.2	1597.6	1598.4	1610.9	1624.5	1641.4	1658.3	1641.4	1624.5	1610.9
27.5°	1309.6	1308.3	1307.2	1311.9	1322.5	1330.5	1330.8	1331.0	1330.8	1330.5	1322.5
30°	1148.5	1149.5	1149.1	1154.0	1164.2	1172.7	1175.8	1178.9	1175.8	1172.7	1164.2
32.5°	1013.2	1016.4	1018.8	1026.3	1039.1	1048.0	1045.8	1043.6	1045.8	1048.0	1039.1
35°	830.3	835.6	842.3	850.5	860.3	867.7	867.7	867.7	867.7	867.7	860.3
37.5°	665.0	673.0	682.4	690.6	697.5	702.9	703.7	704.5	703.7	702.9	697.5
40°	558.2	568.1	579.7	587.7	592.1	596.0	598.2	600.5	598.2	596.0	592.1
42.5°	457.5	468.0	479.6	487.6	492.0	493.9	487.9	482.0	487.9	493.9	492.0
45°	307.3	327.3	340.6	345.5	341.9	333.0	308.1	283.2	308.1	333.0	341.9
47.5°	144.5	179.1	214.2	221.0	199.5	176.5	149.1	121.7	149.1	176.5	199.5
50°	71.3	108.1	152.1	158.6	127.4	98.7	77.4	56.0	77.4	98.7	127.4
52.5°	41.8	72.3	110.3	113.2	81.0	54.2	43.5	32.8	43.5	54.2	81.0
55°	17.2	33.0	53.0	53.9	35.7	21.1	17.6	14.0	17.6	21.1	35.7
57.5°	7.4	13.1	20.3	20.7	14.3	9.1	7.2	5.2	7.2	9.1	14.3
60°	2.8	5.7	9.2	9.5	6.3	3.8	2.9	2.0	2.9	3.8	6.3
62.5°	1.3	2.7	4.5	4.6	2.9	1.5	0.9	0.4	0.9	1.5	2.9
65°	0.0	0.3	0.8	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.3
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°	2.8	2.6	2.6	2.5	2.1	1.6	0.9	0.4	0.9	1.4	2.4
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: P1427595

CATALOG NUMBER: SQ2W-BBN-K-050U-075D-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: P1427595

CATALOG NUMBER: SQ2W-BBN-K-050U-075D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	5553.3	5553.3	5553.3	5553.3	5553.3	5553.3	5553.3	5553.3	5553.3	5553.3	5553.3
2.5°	5491.9	5491.0	5510.6	5523.7	5517.7	5511.6	5517.7	5523.7	5510.6	5491.0	5491.9
5°	5289.3	5295.5	5324.4	5346.5	5348.3	5350.1	5348.3	5346.5	5324.4	5295.5	5289.3
7.5°	4881.2	4889.3	4921.4	4944.5	4941.1	4937.6	4941.1	4944.5	4921.4	4889.3	4881.2
10°	4540.4	4544.8	4555.5	4560.5	4548.5	4536.5	4548.5	4560.5	4555.5	4544.8	4540.4
12.5°	4103.5	4099.9	4116.0	4129.2	4134.3	4139.4	4134.3	4129.2	4116.0	4099.9	4103.5
15°	3420.8	3409.3	3430.6	3446.5	3446.1	3445.6	3446.1	3446.5	3430.6	3409.3	3420.8
17.5°	2788.1	2778.7	2782.7	2785.4	2784.1	2782.7	2784.1	2785.4	2782.7	2778.7	2788.1
20°	2384.4	2373.3	2370.2	2368.4	2370.6	2372.8	2370.6	2368.4	2370.2	2373.3	2384.4
22.5°	2052.3	2045.1	2037.4	2032.3	2035.2	2038.2	2035.2	2032.3	2037.4	2045.1	2052.3
25°	1598.4	1597.6	1608.2	1613.9	1604.6	1595.2	1604.6	1613.9	1608.2	1597.6	1598.4
27.5°	1311.9	1307.2	1308.3	1309.6	1311.4	1313.2	1311.4	1309.6	1308.3	1307.2	1311.9
30°	1154.0	1149.1	1149.5	1148.5	1143.2	1137.9	1143.2	1148.5	1149.5	1149.1	1154.0
32.5°	1026.3	1018.8	1016.4	1013.2	1007.9	1002.6	1007.9	1013.2	1016.4	1018.8	1026.3
35°	850.5	842.3	835.6	830.3	829.0	827.6	829.0	830.3	835.6	842.3	850.5
37.5°	690.6	682.4	673.0	665.0	661.6	658.1	661.6	665.0	673.0	682.4	690.6
40°	587.7	579.7	568.1	558.2	553.3	548.4	553.3	558.2	568.1	579.7	587.7
42.5°	487.6	479.6	468.0	457.5	450.1	442.7	450.1	457.5	468.0	479.6	487.6
45°	345.5	340.6	327.3	307.3	267.8	228.2	267.8	307.3	327.3	340.6	345.5
47.5°	221.0	214.2	179.1	144.5	111.6	78.7	111.6	144.5	179.1	214.2	221.0
50°	158.6	152.1	108.1	71.3	56.2	41.0	56.2	71.3	108.1	152.1	158.6
52.5°	113.2	110.3	72.3	41.8	33.8	25.8	33.8	41.8	72.3	110.3	113.2
55°	53.9	53.0	33.0	17.2	14.1	11.0	14.1	17.2	33.0	53.0	53.9
57.5°	20.7	20.3	13.1	7.4	5.8	4.2	5.8	7.4	13.1	20.3	20.7
60°	9.5	9.2	5.7	2.8	1.9	1.0	1.9	2.8	5.7	9.2	9.5
62.5°	4.6	4.5	2.7	1.3	0.7	0.2	0.7	1.3	2.7	4.5	4.6
65°	0.8	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.8	0.8
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°	3.0	3.9	4.9	5.4	5.9	5.7	5.9	5.4	4.9	3.9	3.0
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: P1427595

CATALOG NUMBER: SQ2W-BBN-K-050U-075D-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	401.1	384.0	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: P1427595

CATALOG NUMBER: SQ2W-BBN-K-050U-075D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	5553.3	5553.3	5553.3	5553.3
2.5°	5513.2	5531.6	5540.8	5550.1
5°	5305.7	5321.3	5334.2	5347.1
7.5°	4896.8	4907.5	4903.3	4899.2
10°	4542.1	4542.7	4539.6	4536.5
12.5°	4126.6	4140.9	4128.5	4116.2
15°	3465.3	3493.7	3473.7	3453.6
17.5°	2810.8	2828.3	2830.3	2832.4
20°	2403.5	2418.6	2421.7	2424.9
22.5°	2059.0	2065.3	2070.5	2075.8
25°	1610.9	1624.5	1641.4	1658.3
27.5°	1322.5	1330.5	1330.8	1331.0
30°	1164.2	1172.7	1175.8	1178.9
32.5°	1039.1	1048.0	1045.8	1043.6
35°	860.3	867.7	867.7	867.7
37.5°	697.5	702.9	703.7	704.5
40°	592.1	596.0	598.2	600.5
42.5°	492.0	493.9	487.9	482.0
45°	341.9	333.0	308.1	283.2
47.5°	199.5	176.5	149.1	121.7
50°	127.4	98.7	77.4	56.0
52.5°	81.0	54.2	43.5	32.8
55°	35.7	21.1	17.6	14.0
57.5°	14.3	9.1	7.2	5.2
60°	6.3	3.8	2.9	2.0
62.5°	2.9	1.5	0.9	0.4
65°	0.3	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°	2.4	1.4	0.9	0.4
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: P1427595

CATALOG NUMBER: SQ2W-BBN-K-050U-075D-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: P1427595
 CATALOG NUMBER: SQ2W-BBN-K-050U-075D-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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	12H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4H	2H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	12H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8H	4H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	12H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12H	4H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00