

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: P1428525

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

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428525
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G3-2104-222-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-WBM-K-050U-125D-L935-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - WHITE DISCREET BAFFLE, MEDIUM 80-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

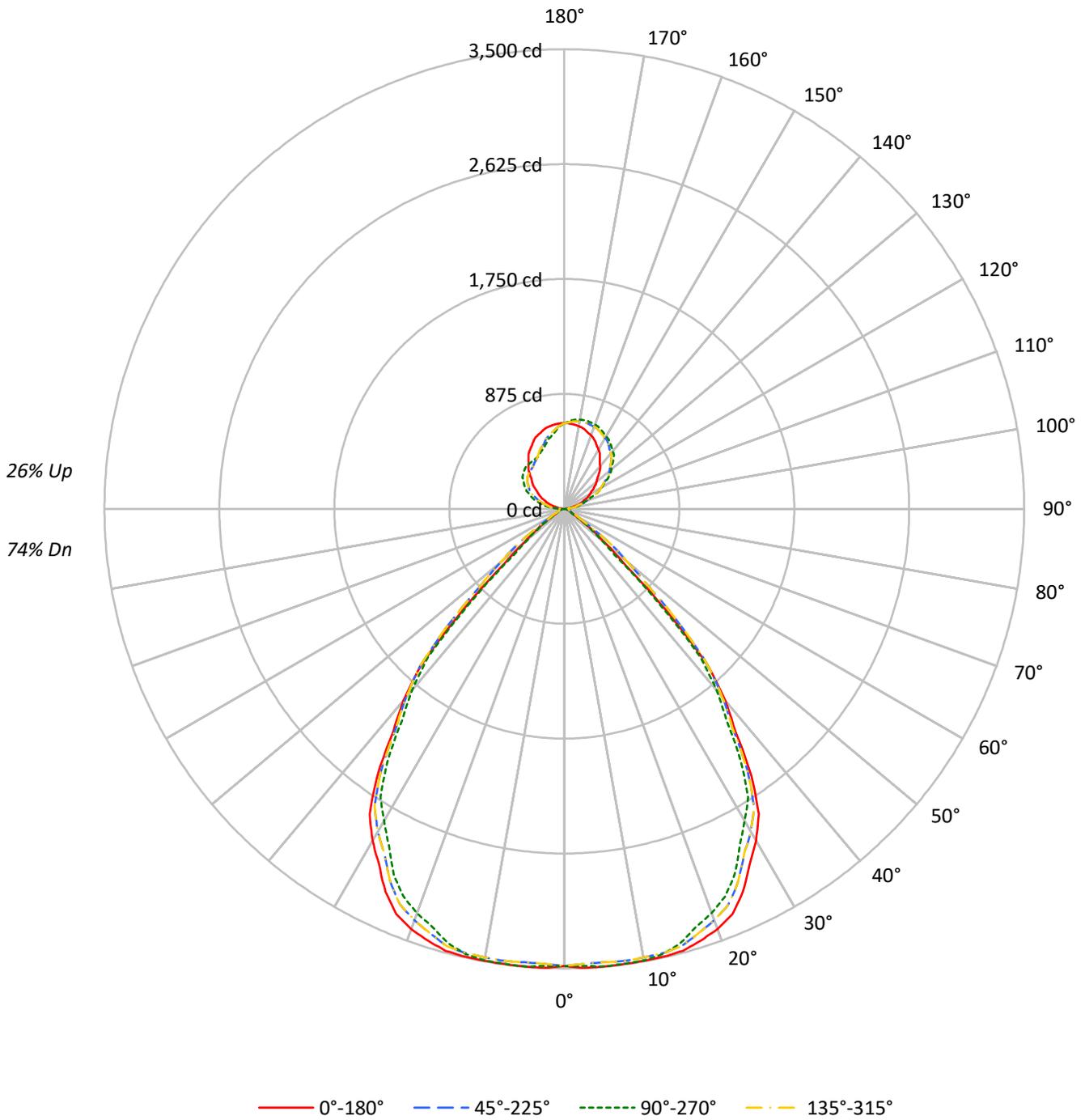
Lumens per Lamp: N/A
Luminaire Lumens: 7349.1 lumens
Efficiency: N/A
Efficacy: 113.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.18 / 1.17
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

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

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CATALOG NUMBER: SQ2W-WBM-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	50	30	10	0	
RCR																						
0	113	113	113	113	107	107	107	107	97	97	97	87	87	87	78	78	78	74				74
1	106	102	99	97	101	98	95	93	89	87	85	81	79	78	73	72	71	68				68
2	99	93	88	84	94	89	84	81	81	78	75	74	72	70	68	66	64	61				61
3	92	84	78	73	88	81	75	71	74	70	67	68	65	62	63	60	58	55				55
4	86	77	70	65	82	74	68	63	68	63	60	63	59	56	58	55	53	50				50
5	80	70	63	58	76	68	61	56	63	58	54	58	54	51	54	51	48	46				46
6	75	64	57	52	71	62	56	51	58	52	48	54	49	46	50	47	44	42				42
7	70	59	52	47	67	57	51	46	53	48	44	50	45	42	47	43	40	38				38
8	66	54	47	43	63	53	46	42	49	44	40	46	42	38	43	40	37	35				35
9	62	50	44	39	59	49	43	38	46	41	37	43	39	35	41	37	34	32				32
10	58	47	40	36	56	45	39	35	43	37	34	40	36	33	38	34	31	30				30

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	56211	56211	56211	56211
5°	56724	56696	56724	56696
10°	57298	57270	57298	57270
15°	58249	57217	58249	57217
20°	58528	56291	58528	56291
25°	57324	54707	57324	54707
30°	54390	51153	54390	51153
35°	48916	46153	48916	46153
40°	40100	37990	40100	37990
45°	25075	23550	25075	23550
50°	9809	8972	9809	8972
55°	4839	4791	4839	4791
60°	2264	2047	2264	2047
65°	2040	1914	2040	1914
70°	1969	1893	1969	1893
75°	1977	1772	1977	1772
80°	1860	1711	1860	1711
85°	1852	1538	1852	1538

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 30°
 Vertical Angle: 45°
 Luminance: 28544 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	332.9	4.5
10°-20°	973.3	13.2
20°-30°	1439.1	19.6
30°-40°	1489.0	20.3
40°-50°	895.6	12.2
50°-60°	214.1	2.9
60°-70°	58.6	0.8
70°-80°	32.7	0.4
80°-90°	13.0	0.2
90°-100°	51.8	0.7
100°-110°	151.1	2.1
110°-120°	246.5	3.4
120°-130°	312.9	4.3
130°-140°	334.8	4.6
140°-150°	312.6	4.3
150°-160°	257.2	3.5
160°-170°	172.5	2.3
170°-180°	61.3	0.8
0°-30°	2745.4	37.4
0°-40°	4234.4	57.6
0°-60°	5344.2	72.7
0°-90°	5448.5	74.1
90°-120°	449.4	6.1
90°-150°	1409.7	19.2
90°-180°	1901.0	25.9
0°-180°	7349.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3482	3482	3482	3482	3482	
5°	3500	3498	3500	3498	3500	334
15°	3485	3423	3485	3423	3485	982
25°	3218	3071	3218	3071	3218	1471
35°	2482	2342	2482	2342	2482	1524
45°	1098	1031	1098	1031	1098	849
55°	172	170	172	170	172	172
65°	53	50	53	50	53	54
75°	32	28	32	28	32	33
85°	10	8	10	8	10	10
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°	3481.5	3481.5	3481.5	3481.5	3481.5	3481.5	3481.5	3481.5	3481.5	3481.5	3481.5
2.5°	3498.9	3494.7	3490.6	3480.2	3467.7	3468.0	3481.1	3490.1	3487.1	3484.2	3487.1
5°	3499.9	3494.7	3489.5	3477.6	3463.5	3466.9	3487.6	3502.6	3500.4	3498.2	3500.4
7.5°	3496.2	3494.0	3491.7	3483.1	3472.2	3474.7	3490.4	3501.3	3497.9	3494.5	3497.9
10°	3494.9	3495.6	3496.3	3484.8	3469.3	3469.6	3486.0	3497.6	3495.4	3493.2	3495.4
12.5°	3493.5	3499.6	3505.7	3490.2	3467.5	3462.5	3475.3	3483.5	3478.4	3473.2	3478.4
15°	3484.8	3496.7	3508.6	3487.6	3455.7	3439.8	3439.8	3437.9	3430.5	3423.1	3430.5
17.5°	3447.8	3461.9	3476.0	3447.6	3405.0	3378.0	3366.6	3355.7	3346.7	3337.6	3346.7
20°	3406.4	3420.5	3434.6	3400.8	3351.1	3317.0	3298.5	3283.6	3279.9	3276.2	3279.9
22.5°	3341.0	3356.3	3371.5	3335.4	3282.2	3245.4	3225.0	3208.3	3202.2	3196.1	3202.2
25°	3217.8	3229.7	3241.5	3203.9	3149.7	3115.3	3100.4	3087.3	3079.1	3070.9	3079.1
27.5°	3053.6	3060.1	3066.6	3030.2	2979.5	2945.7	2928.7	2913.2	2902.0	2890.7	2902.0
30°	2917.4	2920.4	2923.3	2894.0	2854.0	2822.8	2800.6	2779.4	2761.6	2743.8	2761.6
32.5°	2755.8	2758.8	2761.8	2736.0	2700.7	2672.5	2651.5	2632.1	2617.9	2603.6	2617.9
35°	2481.8	2480.3	2478.8	2462.3	2440.8	2417.8	2393.3	2371.3	2356.4	2341.6	2356.4
37.5°	2139.0	2141.1	2143.1	2130.9	2113.8	2095.6	2076.3	2058.1	2043.1	2028.2	2043.1
40°	1902.6	1904.1	1905.6	1895.4	1881.3	1860.2	1832.0	1809.9	1806.2	1802.5	1806.2
42.5°	1614.2	1636.5	1658.8	1649.7	1630.3	1609.8	1588.1	1567.5	1550.2	1532.8	1550.2
45°	1098.2	1165.7	1233.2	1250.1	1250.1	1237.1	1211.1	1173.9	1102.6	1031.4	1102.6
47.5°	620.2	697.0	773.9	824.4	866.1	848.3	771.2	691.7	605.2	518.7	605.2
50°	390.5	442.5	494.4	559.1	628.1	609.2	502.4	415.0	386.1	357.2	386.1
52.5°	277.1	303.5	329.9	390.9	463.4	454.6	364.4	292.9	277.6	262.4	277.6
55°	171.9	181.5	191.2	220.9	257.2	255.0	214.2	182.1	176.2	170.2	176.2
57.5°	102.1	112.1	122.0	135.2	149.4	149.4	135.2	122.2	112.8	103.5	112.8
60°	70.1	78.3	86.4	97.4	109.2	107.7	92.9	79.7	71.6	63.4	71.6
62.5°	60.8	64.2	67.6	76.0	86.1	85.2	73.3	63.7	60.9	58.1	60.9
65°	53.4	54.1	54.9	55.6	56.4	56.0	54.5	53.0	51.6	50.1	51.6
67.5°	47.1	47.8	48.5	48.3	47.7	47.3	47.2	46.7	45.4	44.1	45.4
70°	41.7	42.5	43.2	43.4	43.4	43.0	42.3	41.5	40.8	40.1	40.8
72.5°	37.7	38.5	39.2	38.9	38.3	38.0	37.8	37.4	36.1	34.7	36.1
75°	31.7	31.7	31.7	31.7	31.7	31.3	30.6	29.9	29.1	28.4	29.1
77.5°	24.0	24.8	25.5	25.1	24.4	24.0	24.0	23.8	23.1	22.4	23.1
80°	20.0	20.8	21.5	21.1	20.4	20.0	20.0	19.8	19.1	18.4	19.1
82.5°	16.0	16.2	16.3	16.2	16.1	16.0	16.0	15.8	15.1	14.4	15.1
85°	10.0	10.0	10.0	9.5	8.7	8.3	8.3	8.3	8.3	8.3	8.3
87.5°	3.1	4.2	5.4	5.7	5.5	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



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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°	3481.5	3481.5	3481.5	3481.5	3481.5	3481.5	3481.5	3481.5	3481.5	3481.5	3481.5
2.5°	3490.1	3481.1	3468.0	3467.7	3480.2	3490.6	3494.7	3498.9	3494.7	3490.6	3480.2
5°	3502.6	3487.6	3466.9	3463.5	3477.6	3489.5	3494.7	3499.9	3494.7	3489.5	3477.6
7.5°	3501.3	3490.4	3474.7	3472.2	3483.1	3491.7	3494.0	3496.2	3494.0	3491.7	3483.1
10°	3497.6	3486.0	3469.6	3469.3	3484.8	3496.3	3495.6	3494.9	3495.6	3496.3	3484.8
12.5°	3483.5	3475.3	3462.5	3467.5	3490.2	3505.7	3499.6	3493.5	3499.6	3505.7	3490.2
15°	3437.9	3439.8	3439.8	3455.7	3487.6	3508.6	3496.7	3484.8	3496.7	3508.6	3487.6
17.5°	3355.7	3366.6	3378.0	3405.0	3447.6	3476.0	3461.9	3447.8	3461.9	3476.0	3447.6
20°	3283.6	3298.5	3317.0	3351.1	3400.8	3434.6	3420.5	3406.4	3420.5	3434.6	3400.8
22.5°	3208.3	3225.0	3245.4	3282.2	3335.4	3371.5	3356.3	3341.0	3356.3	3371.5	3335.4
25°	3087.3	3100.4	3115.3	3149.7	3203.9	3241.5	3229.7	3217.8	3229.7	3241.5	3203.9
27.5°	2913.2	2928.7	2945.7	2979.5	3030.2	3066.6	3060.1	3053.6	3060.1	3066.6	3030.2
30°	2779.4	2800.6	2822.8	2854.0	2894.0	2923.3	2920.4	2917.4	2920.4	2923.3	2894.0
32.5°	2632.1	2651.5	2672.5	2700.7	2736.0	2761.8	2758.8	2755.8	2758.8	2761.8	2736.0
35°	2371.3	2393.3	2417.8	2440.8	2462.3	2478.8	2480.3	2481.8	2480.3	2478.8	2462.3
37.5°	2058.1	2076.3	2095.6	2113.8	2130.9	2143.1	2141.1	2139.0	2141.1	2143.1	2130.9
40°	1809.9	1832.0	1860.2	1881.3	1895.4	1905.6	1904.1	1902.6	1904.1	1905.6	1895.4
42.5°	1567.5	1588.1	1609.8	1630.3	1649.7	1658.8	1636.5	1614.2	1636.5	1658.8	1649.7
45°	1173.9	1211.1	1237.1	1250.1	1250.1	1233.2	1165.7	1098.2	1165.7	1233.2	1250.1
47.5°	691.7	771.2	848.3	866.1	824.4	773.9	697.0	620.2	697.0	773.9	824.4
50°	415.0	502.4	609.2	628.1	559.1	494.4	442.5	390.5	442.5	494.4	559.1
52.5°	292.9	364.4	454.6	463.4	390.9	329.9	303.5	277.1	303.5	329.9	390.9
55°	182.1	214.2	255.0	257.2	220.9	191.2	181.5	171.9	181.5	191.2	220.9
57.5°	122.2	135.2	149.4	149.4	135.2	122.0	112.1	102.1	112.1	122.0	135.2
60°	79.7	92.9	107.7	109.2	97.4	86.4	78.3	70.1	78.3	86.4	97.4
62.5°	63.7	73.3	85.2	86.1	76.0	67.6	64.2	60.8	64.2	67.6	76.0
65°	53.0	54.5	56.0	56.4	55.6	54.9	54.1	53.4	54.1	54.9	55.6
67.5°	46.7	47.2	47.3	47.7	48.3	48.5	47.8	47.1	47.8	48.5	48.3
70°	41.5	42.3	43.0	43.4	43.4	43.2	42.5	41.7	42.5	43.2	43.4
72.5°	37.4	37.8	38.0	38.3	38.9	39.2	38.5	37.7	38.5	39.2	38.9
75°	29.9	30.6	31.3	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
77.5°	23.8	24.0	24.0	24.4	25.1	25.5	24.8	24.0	24.8	25.5	25.1
80°	19.8	20.0	20.0	20.4	21.1	21.5	20.8	20.0	20.8	21.5	21.1
82.5°	15.8	16.0	16.0	16.1	16.2	16.3	16.2	16.0	16.2	16.3	16.2
85°	8.3	8.3	8.3	8.7	9.5	10.0	10.0	10.0	10.0	10.0	9.5
87.5°	5.4	5.3	5.3	5.5	5.7	5.4	4.2	3.1	4.2	5.3	5.9
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: P1428525

CATALOG NUMBER: SQ2W-WBM-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: P1428525

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	3481.5	3481.5	3481.5	3481.5	3481.5	3481.5	3481.5	3481.5	3481.5	3481.5	3481.5
2.5°	3467.7	3468.0	3481.1	3490.1	3487.1	3484.2	3487.1	3490.1	3481.1	3468.0	3467.7
5°	3463.5	3466.9	3487.6	3502.6	3500.4	3498.2	3500.4	3502.6	3487.6	3466.9	3463.5
7.5°	3472.2	3474.7	3490.4	3501.3	3497.9	3494.5	3497.9	3501.3	3490.4	3474.7	3472.2
10°	3469.3	3469.6	3486.0	3497.6	3495.4	3493.2	3495.4	3497.6	3486.0	3469.6	3469.3
12.5°	3467.5	3462.5	3475.3	3483.5	3478.4	3473.2	3478.4	3483.5	3475.3	3462.5	3467.5
15°	3455.7	3439.8	3439.8	3437.9	3430.5	3423.1	3430.5	3437.9	3439.8	3439.8	3455.7
17.5°	3405.0	3378.0	3366.6	3355.7	3346.7	3337.6	3346.7	3355.7	3366.6	3378.0	3405.0
20°	3351.1	3317.0	3298.5	3283.6	3279.9	3276.2	3279.9	3283.6	3298.5	3317.0	3351.1
22.5°	3282.2	3245.4	3225.0	3208.3	3202.2	3196.1	3202.2	3208.3	3225.0	3245.4	3282.2
25°	3149.7	3115.3	3100.4	3087.3	3079.1	3070.9	3079.1	3087.3	3100.4	3115.3	3149.7
27.5°	2979.5	2945.7	2928.7	2913.2	2902.0	2890.7	2902.0	2913.2	2928.7	2945.7	2979.5
30°	2854.0	2822.8	2800.6	2779.4	2761.6	2743.8	2761.6	2779.4	2800.6	2822.8	2854.0
32.5°	2700.7	2672.5	2651.5	2632.1	2617.9	2603.6	2617.9	2632.1	2651.5	2672.5	2700.7
35°	2440.8	2417.8	2393.3	2371.3	2356.4	2341.6	2356.4	2371.3	2393.3	2417.8	2440.8
37.5°	2113.8	2095.6	2076.3	2058.1	2043.1	2028.2	2043.1	2058.1	2076.3	2095.6	2113.8
40°	1881.3	1860.2	1832.0	1809.9	1806.2	1802.5	1806.2	1809.9	1832.0	1860.2	1881.3
42.5°	1630.3	1609.8	1588.1	1567.5	1550.2	1532.8	1550.2	1567.5	1588.1	1609.8	1630.3
45°	1250.1	1237.1	1211.1	1173.9	1102.6	1031.4	1102.6	1173.9	1211.1	1237.1	1250.1
47.5°	866.1	848.3	771.2	691.7	605.2	518.7	605.2	691.7	771.2	848.3	866.1
50°	628.1	609.2	502.4	415.0	386.1	357.2	386.1	415.0	502.4	609.2	628.1
52.5°	463.4	454.6	364.4	292.9	277.6	262.4	277.6	292.9	364.4	454.6	463.4
55°	257.2	255.0	214.2	182.1	176.2	170.2	176.2	182.1	214.2	255.0	257.2
57.5°	149.4	149.4	135.2	122.2	112.8	103.5	112.8	122.2	135.2	149.4	149.4
60°	109.2	107.7	92.9	79.7	71.6	63.4	71.6	79.7	92.9	107.7	109.2
62.5°	86.1	85.2	73.3	63.7	60.9	58.1	60.9	63.7	73.3	85.2	86.1
65°	56.4	56.0	54.5	53.0	51.6	50.1	51.6	53.0	54.5	56.0	56.4
67.5°	47.7	47.3	47.2	46.7	45.4	44.1	45.4	46.7	47.2	47.3	47.7
70°	43.4	43.0	42.3	41.5	40.8	40.1	40.8	41.5	42.3	43.0	43.4
72.5°	38.3	38.0	37.8	37.4	36.1	34.7	36.1	37.4	37.8	38.0	38.3
75°	31.7	31.3	30.6	29.9	29.1	28.4	29.1	29.9	30.6	31.3	31.7
77.5°	24.4	24.0	24.0	23.8	23.1	22.4	23.1	23.8	24.0	24.0	24.4
80°	20.4	20.0	20.0	19.8	19.1	18.4	19.1	19.8	20.0	20.0	20.4
82.5°	16.1	16.0	16.0	15.8	15.1	14.4	15.1	15.8	16.0	16.0	16.1
85°	8.7	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.7
87.5°	6.0	6.6	7.5	8.1	8.6	8.3	8.6	8.1	7.5	6.6	6.0
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: P1428525

CATALOG NUMBER: SQ2W-WBM-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	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: P1428525

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	3481.5	3481.5	3481.5	3481.5
2.5°	3480.2	3490.6	3494.7	3498.9
5°	3477.6	3489.5	3494.7	3499.9
7.5°	3483.1	3491.7	3494.0	3496.2
10°	3484.8	3496.3	3495.6	3494.9
12.5°	3490.2	3505.7	3499.6	3493.5
15°	3487.6	3508.6	3496.7	3484.8
17.5°	3447.6	3476.0	3461.9	3447.8
20°	3400.8	3434.6	3420.5	3406.4
22.5°	3335.4	3371.5	3356.3	3341.0
25°	3203.9	3241.5	3229.7	3217.8
27.5°	3030.2	3066.6	3060.1	3053.6
30°	2894.0	2923.3	2920.4	2917.4
32.5°	2736.0	2761.8	2758.8	2755.8
35°	2462.3	2478.8	2480.3	2481.8
37.5°	2130.9	2143.1	2141.1	2139.0
40°	1895.4	1905.6	1904.1	1902.6
42.5°	1649.7	1658.8	1636.5	1614.2
45°	1250.1	1233.2	1165.7	1098.2
47.5°	824.4	773.9	697.0	620.2
50°	559.1	494.4	442.5	390.5
52.5°	390.9	329.9	303.5	277.1
55°	220.9	191.2	181.5	171.9
57.5°	135.2	122.0	112.1	102.1
60°	97.4	86.4	78.3	70.1
62.5°	76.0	67.6	64.2	60.8
65°	55.6	54.9	54.1	53.4
67.5°	48.3	48.5	47.8	47.1
70°	43.4	43.2	42.5	41.7
72.5°	38.9	39.2	38.5	37.7
75°	31.7	31.7	31.7	31.7
77.5°	25.1	25.5	24.8	24.0
80°	21.1	21.5	20.8	20.0
82.5°	16.2	16.3	16.2	16.0
85°	9.5	10.0	10.0	10.0
87.5°	5.9	5.3	4.2	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: P1428525

CATALOG NUMBER: SQ2W-WBM-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: P1428525
 CATALOG NUMBER: SQ2W-WBM-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	8.04	8.92	8.80	9.67	10.56	8.03	8.91	8.78	9.65	10.54
	3H	8.74	9.52	9.51	10.27	11.20	8.66	9.43	9.43	10.19	11.12
	4H	9.11	9.83	9.89	10.60	11.54	8.97	9.70	9.76	10.46	11.40
	6H	9.39	10.05	10.18	10.83	11.77	9.21	9.87	10.00	10.65	11.60
	8H	9.51	10.13	10.31	10.93	11.88	9.31	9.94	10.12	10.73	11.68
	12H	9.59	10.18	10.40	10.97	11.94	9.36	9.96	10.17	10.75	11.72
4H	2H	8.15	8.88	8.94	9.64	10.58	8.14	8.86	8.93	9.63	10.57
	3H	9.10	9.69	9.90	10.50	11.45	9.02	9.61	9.81	10.41	11.36
	4H	9.61	10.14	10.42	10.95	11.93	9.46	10.00	10.27	10.80	11.78
	6H	10.04	10.50	10.87	11.32	12.31	9.84	10.30	10.67	11.12	12.12
	8H	10.23	10.65	11.06	11.48	12.47	10.01	10.43	10.84	11.25	12.25
	12H	10.36	10.74	11.20	11.58	12.58	10.10	10.48	10.95	11.32	12.32
8H	4H	9.73	10.16	10.56	10.98	11.97	9.60	10.02	10.43	10.84	11.84
	6H	10.30	10.65	11.16	11.52	12.52	10.11	10.46	10.97	11.33	12.33
	8H	10.59	10.90	11.46	11.76	12.78	10.38	10.68	11.24	11.55	12.56
	12H	10.81	11.08	11.68	11.93	13.01	10.55	10.82	11.41	11.67	12.74
12H	4H	9.71	10.09	10.56	10.93	11.94	9.58	9.96	10.43	10.81	11.81
	6H	10.34	10.65	11.21	11.51	12.52	10.15	10.46	11.02	11.33	12.34
	8H	10.66	10.94	11.53	11.79	12.86	10.46	10.73	11.32	11.58	12.66