

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: P1428521

Luminaire Tested: SQ2W-WBM-K-050U-100D-L930-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428521
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-100D-L930-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 1000 LUMENS PER FOOT
UPLIGHT 500 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

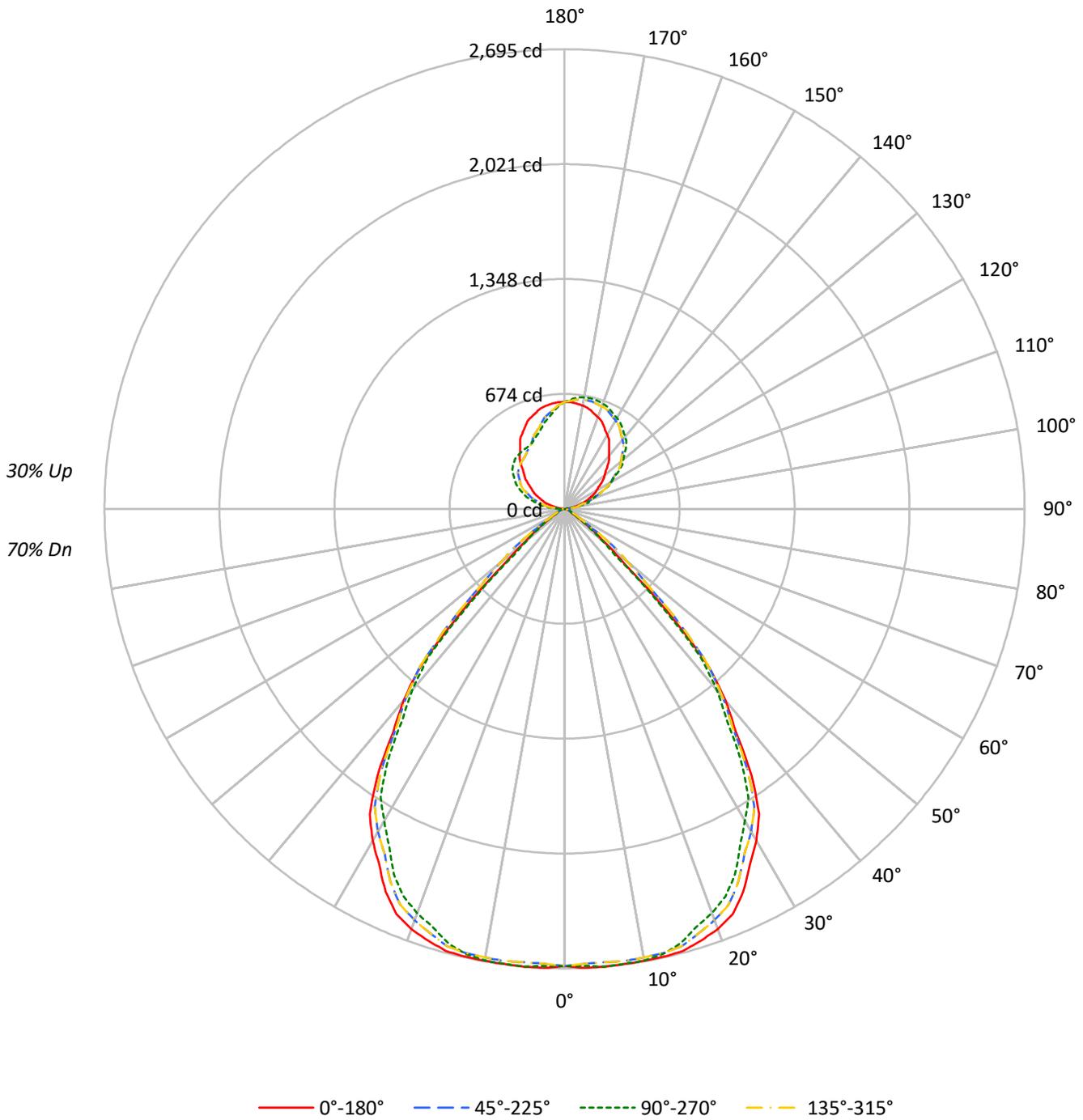
Lumens per Lamp: N/A
Luminaire Lumens: 6024.1 lumens
Efficiency: N/A
Efficacy: 113.7 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.18 / 1.17
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 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

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20				
RC	80					70					50					30				
RW	70	50	30	10	70	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	70		
1	105	101	98	95	99	96	93	91	86	84	83	78	76	75	69	68	67	64		
2	98	91	86	82	92	87	83	79	79	76	73	71	69	67	64	63	61	58		
3	91	83	77	72	86	79	74	69	72	68	65	66	62	60	60	57	55	52		
4	85	75	69	64	80	72	66	62	66	61	58	60	57	54	55	52	50	47		
5	79	69	62	57	75	66	60	55	61	56	52	56	52	49	51	48	45	43		
6	74	63	56	51	70	60	54	49	56	51	47	51	47	44	47	44	41	39		
7	69	58	51	46	65	56	49	45	52	46	42	48	43	40	44	41	38	36		
8	64	53	46	42	61	51	45	41	48	42	39	44	40	37	41	37	35	33		
9	60	49	42	38	58	48	41	37	44	39	35	41	37	34	38	35	32	30		
10	57	46	39	35	54	44	38	34	41	36	32	38	34	31	36	32	30	28		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	43285	43285	43285	43285
5°	43678	43657	43678	43657
10°	44121	44100	44121	44100
15°	44853	44059	44853	44059
20°	45068	43346	45068	43346
25°	44141	42126	44141	42126
30°	41882	39390	41882	39390
35°	37668	35539	37668	35539
40°	30879	29254	30879	29254
45°	19308	18134	19308	18134
50°	7553	6907	7553	6907
55°	3727	3690	3727	3690
60°	1744	1576	1744	1576
65°	1570	1475	1570	1475
70°	1515	1454	1515	1454
75°	1522	1360	1522	1360
80°	1432	1311	1432	1311
85°	1426	1186	1426	1186

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 30°
 Vertical Angle: 45°
 Luminance: 21979 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	256.3	4.3
10°-20°	749.5	12.4
20°-30°	1108.2	18.4
30°-40°	1146.6	19.0
40°-50°	689.7	11.4
50°-60°	164.9	2.7
60°-70°	45.1	0.7
70°-80°	25.2	0.4
80°-90°	10.5	0.2
90°-100°	49.8	0.8
100°-110°	145.3	2.4
110°-120°	237.1	3.9
120°-130°	300.9	5.0
130°-140°	322.0	5.3
140°-150°	300.7	5.0
150°-160°	247.4	4.1
160°-170°	165.9	2.8
170°-180°	58.9	1.0
0°-30°	2114.0	35.1
0°-40°	3260.6	54.1
0°-60°	4115.2	68.3
0°-90°	4196.0	69.7
90°-120°	432.3	7.2
90°-150°	1355.8	22.5
90°-180°	1828.0	30.3
0°-180°	6024.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2681	2681	2681	2681	2681	
5°	2695	2694	2695	2694	2695	257
15°	2683	2636	2683	2636	2683	756
25°	2478	2365	2478	2365	2478	1133
35°	1911	1803	1911	1803	1911	1173
45°	846	794	846	794	846	654
55°	132	131	132	131	132	133
65°	41	39	41	39	41	41
75°	24	22	24	22	24	25
85°	8	6	8	6	8	8
90°	2	14	2	27	2	2
95°	20	14	20	85	20	24
105°	92	148	92	204	92	98
115°	177	245	177	302	177	175
125°	262	389	262	371	262	234
135°	356	509	356	410	356	275
145°	455	587	455	419	455	285
155°	540	638	540	435	540	248
165°	597	665	597	501	597	168
175°	624	651	624	588	624	59
180°	626	626	626	626	626	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	2680.9	2680.9	2680.9	2680.9	2680.9	2680.9	2680.9	2680.9	2680.9	2680.9	2680.9
2.5°	2694.2	2691.0	2687.8	2679.8	2670.2	2670.5	2680.5	2687.5	2685.2	2682.9	2685.2
5°	2695.0	2691.0	2687.0	2677.9	2667.0	2669.6	2685.6	2697.2	2695.4	2693.7	2695.4
7.5°	2692.2	2690.5	2688.8	2682.1	2673.7	2675.6	2687.7	2696.2	2693.5	2690.9	2693.5
10°	2691.2	2691.7	2692.3	2683.4	2671.4	2671.7	2684.3	2693.3	2691.6	2689.9	2691.6
12.5°	2690.1	2694.8	2699.5	2687.6	2670.1	2666.3	2676.1	2682.4	2678.4	2674.4	2678.4
15°	2683.4	2692.6	2701.7	2685.6	2661.0	2648.7	2648.7	2647.3	2641.6	2635.9	2641.6
17.5°	2654.9	2665.8	2676.6	2654.7	2622.0	2601.2	2592.4	2584.0	2577.1	2570.1	2577.1
20°	2623.0	2633.9	2644.7	2618.8	2580.5	2554.2	2539.9	2528.5	2525.7	2522.8	2525.7
22.5°	2572.7	2584.4	2596.2	2568.4	2527.4	2499.0	2483.4	2470.5	2465.8	2461.1	2465.8
25°	2477.8	2487.0	2496.1	2467.1	2425.4	2398.8	2387.4	2377.3	2371.0	2364.7	2371.0
27.5°	2351.4	2356.4	2361.4	2333.4	2294.3	2268.2	2255.2	2243.3	2234.6	2225.9	2234.6
30°	2246.5	2248.8	2251.1	2228.5	2197.6	2173.7	2156.5	2140.2	2126.5	2112.8	2126.5
32.5°	2122.1	2124.4	2126.6	2106.8	2079.6	2057.9	2041.7	2026.8	2015.8	2004.9	2015.8
35°	1911.1	1909.9	1908.8	1896.1	1879.5	1861.8	1842.9	1825.9	1814.5	1803.1	1814.5
37.5°	1647.1	1648.7	1650.3	1640.8	1627.7	1613.7	1598.8	1584.8	1573.3	1561.7	1573.3
40°	1465.1	1466.2	1467.4	1459.5	1448.7	1432.4	1410.7	1393.7	1390.8	1388.0	1390.8
42.5°	1243.0	1260.2	1277.3	1270.4	1255.4	1239.6	1222.9	1207.0	1193.7	1180.3	1193.7
45°	845.6	897.6	949.6	962.6	962.6	952.6	932.6	903.9	849.1	794.2	849.1
47.5°	477.6	536.7	595.9	634.8	666.9	653.2	593.8	532.6	466.0	399.4	466.0
50°	300.7	340.7	380.7	430.5	483.7	469.1	386.8	319.6	297.3	275.0	297.3
52.5°	213.3	233.7	254.0	301.0	356.9	350.1	280.6	225.6	213.8	202.0	213.8
55°	132.4	139.8	147.2	170.1	198.1	196.3	164.9	140.2	135.7	131.1	135.7
57.5°	78.7	86.3	94.0	104.1	115.1	115.1	104.1	94.1	86.9	79.7	86.9
60°	54.0	60.3	66.5	75.0	84.1	83.0	71.5	61.4	55.1	48.8	55.1
62.5°	46.8	49.4	52.0	58.5	66.3	65.6	56.5	49.1	46.9	44.7	46.9
65°	41.1	41.7	42.3	42.8	43.4	43.1	42.0	40.8	39.7	38.6	39.7
67.5°	36.2	36.8	37.4	37.2	36.7	36.4	36.3	36.0	35.0	33.9	35.0
70°	32.1	32.7	33.3	33.4	33.4	33.1	32.6	32.0	31.4	30.8	31.4
72.5°	29.0	29.6	30.2	30.0	29.5	29.2	29.1	28.8	27.8	26.7	27.8
75°	24.4	24.4	24.4	24.4	24.4	24.1	23.6	23.0	22.4	21.8	22.4
77.5°	18.5	19.1	19.6	19.4	18.8	18.5	18.5	18.4	17.8	17.2	17.8
80°	15.4	16.0	16.6	16.3	15.7	15.4	15.4	15.3	14.7	14.1	14.7
82.5°	12.3	12.5	12.6	12.5	12.4	12.3	12.3	12.2	11.6	11.1	11.6
85°	7.7	7.7	7.7	7.3	6.7	6.4	6.4	6.4	6.4	6.4	6.4
87.5°	2.4	3.4	4.5	4.8	4.7	4.6	4.6	4.7	4.8	4.8	4.8
90°	1.9	4.4	7.6	10.1	12.0	12.6	12.6	13.3	13.9	13.9	13.9
92.5°	7.0	11.0	11.1	11.1	13.5	14.7	15.7	15.8	16.4	16.4	16.4
95°	19.6	21.5	32.3	31.6	21.5	17.1	14.5	14.5	14.5	14.5	14.5
97.5°	37.4	40.2	42.0	56.3	59.4	57.4	46.8	39.3	35.2	33.3	35.2
100°	53.1	54.4	58.2	58.8	74.6	89.8	82.2	72.7	69.6	67.7	69.6
102.5°	68.8	69.6	75.4	78.0	81.7	90.3	116.6	113.7	111.6	111.2	111.6
105°	92.3	93.0	103.7	108.8	111.3	111.3	110.7	123.3	143.6	148.0	143.6
107.5°	117.5	120.4	133.1	146.6	149.5	150.3	147.0	145.1	144.3	144.8	144.3
110°	134.7	139.1	154.3	171.4	175.8	177.1	175.8	173.9	172.6	172.6	172.6



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	151.4	157.8	175.0	194.7	202.1	205.9	203.1	201.7	200.5	201.5	200.5
115°	177.1	186.6	209.3	229.6	244.7	246.6	246.0	246.0	245.4	245.4	245.4
117.5°	200.9	216.0	241.6	265.1	282.7	287.7	290.3	289.5	288.8	290.0	288.8
120°	217.5	235.3	264.3	290.9	308.0	315.6	318.1	316.8	318.1	316.8	318.1
122.5°	235.3	257.0	285.6	313.2	333.3	341.9	344.9	345.2	345.4	344.7	345.4
125°	261.8	288.4	321.9	350.4	371.2	381.3	383.9	384.5	385.8	388.9	385.8
127.5°	288.6	318.7	355.5	383.0	404.4	416.6	420.5	421.9	424.6	426.0	424.6
130°	307.3	341.5	378.8	404.7	425.6	438.9	445.8	447.7	450.9	450.3	450.9
132.5°	327.1	362.7	400.6	427.5	446.9	461.2	467.1	472.5	473.7	474.6	473.7
135°	356.0	394.6	432.6	459.1	477.5	491.4	499.0	504.0	507.2	509.1	507.2
137.5°	386.5	427.3	463.7	487.3	505.8	517.8	526.4	531.7	535.0	536.5	535.0
140°	407.3	446.5	481.9	506.6	523.0	535.0	542.6	548.9	552.7	552.7	552.7
142.5°	427.0	465.7	500.1	524.8	539.2	550.2	558.3	563.1	567.4	567.4	567.4
145°	454.7	493.3	524.9	549.6	561.6	571.7	580.5	584.3	586.9	586.9	586.9
147.5°	483.7	517.8	546.7	570.3	580.4	592.3	599.3	602.3	605.5	604.1	605.5
150°	500.9	532.5	560.3	582.4	592.6	603.9	610.9	613.4	616.6	614.7	616.6
152.5°	517.6	547.7	573.0	593.6	602.2	613.6	621.5	624.1	626.2	624.8	626.2
155°	540.1	566.6	590.0	609.0	616.6	627.3	634.9	638.1	640.6	637.5	640.6
157.5°	560.2	583.1	603.4	620.9	629.0	638.2	645.3	649.2	651.8	650.4	651.8
160°	572.3	593.2	611.5	628.0	635.6	643.8	651.4	655.8	658.3	656.4	658.3
162.5°	582.4	601.3	618.6	633.5	640.1	647.3	656.4	660.4	662.9	660.5	662.9
165°	597.0	612.2	627.3	640.0	645.7	651.4	660.9	665.3	667.2	664.7	667.2
167.5°	608.0	619.6	631.9	642.8	647.0	652.5	662.0	665.7	668.1	664.9	668.1
170°	614.1	624.2	634.9	643.8	647.0	652.0	661.5	664.7	666.6	663.4	666.6
172.5°	619.1	626.7	635.4	643.3	644.9	649.0	658.0	661.1	662.5	659.9	662.5
175°	624.2	628.6	634.9	640.0	639.4	641.9	649.5	652.0	654.5	650.7	654.5
177.5°	626.6	628.6	630.6	633.7	631.6	631.6	637.2	638.7	639.2	637.2	639.2
180°	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	2680.9	2680.9	2680.9	2680.9	2680.9	2680.9	2680.9	2680.9	2680.9	2680.9	2680.9
2.5°	2687.5	2680.5	2670.5	2670.2	2679.8	2687.8	2691.0	2694.2	2691.0	2687.8	2679.8
5°	2697.2	2685.6	2669.6	2667.0	2677.9	2687.0	2691.0	2695.0	2691.0	2687.0	2677.9
7.5°	2696.2	2687.7	2675.6	2673.7	2682.1	2688.8	2690.5	2692.2	2690.5	2688.8	2682.1
10°	2693.3	2684.3	2671.7	2671.4	2683.4	2692.3	2691.7	2691.2	2691.7	2692.3	2683.4
12.5°	2682.4	2676.1	2666.3	2670.1	2687.6	2699.5	2694.8	2690.1	2694.8	2699.5	2687.6
15°	2647.3	2648.7	2648.7	2661.0	2685.6	2701.7	2692.6	2683.4	2692.6	2701.7	2685.6
17.5°	2584.0	2592.4	2601.2	2622.0	2654.7	2676.6	2665.8	2654.9	2665.8	2676.6	2654.7
20°	2528.5	2539.9	2554.2	2580.5	2618.8	2644.7	2633.9	2623.0	2633.9	2644.7	2618.8
22.5°	2470.5	2483.4	2499.0	2527.4	2568.4	2596.2	2584.4	2572.7	2584.4	2596.2	2568.4
25°	2377.3	2387.4	2398.8	2425.4	2467.1	2496.1	2487.0	2477.8	2487.0	2496.1	2467.1
27.5°	2243.3	2255.2	2268.2	2294.3	2333.4	2361.4	2356.4	2351.4	2356.4	2361.4	2333.4
30°	2140.2	2156.5	2173.7	2197.6	2228.5	2251.1	2248.8	2246.5	2248.8	2251.1	2228.5
32.5°	2026.8	2041.7	2057.9	2079.6	2106.8	2126.6	2124.4	2122.1	2124.4	2126.6	2106.8
35°	1825.9	1842.9	1861.8	1879.5	1896.1	1908.8	1909.9	1911.1	1909.9	1908.8	1896.1
37.5°	1584.8	1598.8	1613.7	1627.7	1640.8	1650.3	1648.7	1647.1	1648.7	1650.3	1640.8
40°	1393.7	1410.7	1432.4	1448.7	1459.5	1467.4	1466.2	1465.1	1466.2	1467.4	1459.5
42.5°	1207.0	1222.9	1239.6	1255.4	1270.4	1277.3	1260.2	1243.0	1260.2	1277.3	1270.4
45°	903.9	932.6	952.6	962.6	962.6	949.6	897.6	845.6	897.6	949.6	962.6
47.5°	532.6	593.8	653.2	666.9	634.8	595.9	536.7	477.6	536.7	595.9	634.8
50°	319.6	386.8	469.1	483.7	430.5	380.7	340.7	300.7	340.7	380.7	430.5
52.5°	225.6	280.6	350.1	356.9	301.0	254.0	233.7	213.3	233.7	254.0	301.0
55°	140.2	164.9	196.3	198.1	170.1	147.2	139.8	132.4	139.8	147.2	170.1
57.5°	94.1	104.1	115.1	115.1	104.1	94.0	86.3	78.7	86.3	94.0	104.1
60°	61.4	71.5	83.0	84.1	75.0	66.5	60.3	54.0	60.3	66.5	75.0
62.5°	49.1	56.5	65.6	66.3	58.5	52.0	49.4	46.8	49.4	52.0	58.5
65°	40.8	42.0	43.1	43.4	42.8	42.3	41.7	41.1	41.7	42.3	42.8
67.5°	36.0	36.3	36.4	36.7	37.2	37.4	36.8	36.2	36.8	37.4	37.2
70°	32.0	32.6	33.1	33.4	33.4	33.3	32.7	32.1	32.7	33.3	33.4
72.5°	28.8	29.1	29.2	29.5	30.0	30.2	29.6	29.0	29.6	30.2	30.0
75°	23.0	23.6	24.1	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4
77.5°	18.4	18.5	18.5	18.8	19.4	19.6	19.1	18.5	19.1	19.6	19.4
80°	15.3	15.4	15.4	15.7	16.3	16.6	16.0	15.4	16.0	16.6	16.3
82.5°	12.2	12.3	12.3	12.4	12.5	12.6	12.5	12.3	12.5	12.6	12.5
85°	6.4	6.4	6.4	6.7	7.3	7.7	7.7	7.7	7.7	7.7	7.3
87.5°	4.7	4.6	4.6	4.7	4.8	4.5	3.4	2.4	3.4	4.4	5.0
90°	13.3	12.6	12.6	12.0	10.1	7.6	4.4	1.9	4.4	7.0	11.4
92.5°	15.8	15.7	14.7	13.5	11.1	11.1	11.0	7.0	12.0	17.1	24.5
95°	14.5	14.5	17.1	21.5	31.6	32.3	21.5	19.6	27.8	39.2	49.3
97.5°	39.3	46.8	57.4	59.4	56.3	42.0	40.2	37.4	51.0	62.2	78.5
100°	72.7	82.2	89.8	74.6	58.8	58.2	54.4	53.1	67.7	78.4	94.2
102.5°	113.7	116.6	90.3	81.7	78.0	75.4	69.6	68.8	83.4	98.1	111.4
105°	123.3	110.7	111.3	111.3	108.8	103.7	93.0	92.3	108.8	125.8	142.3
107.5°	145.1	147.0	150.3	149.5	146.6	133.1	120.4	117.5	132.3	152.8	170.9
110°	173.9	175.8	177.1	175.8	171.4	154.3	139.1	134.7	148.0	169.5	189.1



TEST NUMBER: P1428521

CATALOG NUMBER: SQ2W-WBM-K-050U-100D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	201.7	203.1	205.9	202.1	194.7	175.0	157.8	151.4	164.7	186.7	206.8
115°	246.0	246.0	246.6	244.7	229.6	209.3	186.6	177.1	188.5	208.7	230.8
117.5°	289.5	290.3	287.7	282.7	265.1	241.6	216.0	200.9	209.8	231.2	254.0
120°	316.8	318.1	315.6	308.0	290.9	264.3	235.3	217.5	224.5	245.4	268.1
122.5°	345.2	344.9	341.9	333.3	313.2	285.6	257.0	235.3	238.2	257.5	279.8
125°	384.5	383.9	381.3	371.2	350.4	321.9	288.4	261.8	258.0	274.5	297.2
127.5°	421.9	420.5	416.6	404.4	383.0	355.5	318.7	288.6	280.2	290.5	311.4
130°	447.7	445.8	438.9	425.6	404.7	378.8	341.5	307.3	295.3	301.7	320.0
132.5°	472.5	467.1	461.2	446.9	427.5	400.6	362.7	327.1	310.5	313.3	327.6
135°	504.0	499.0	491.4	477.5	459.1	432.6	394.6	356.0	333.3	330.7	339.0
137.5°	531.7	526.4	517.8	505.8	487.3	463.7	427.3	386.5	357.8	349.3	352.5
140°	548.9	542.6	535.0	523.0	506.6	481.9	446.5	407.3	375.0	363.0	361.1
142.5°	563.1	558.3	550.2	539.2	524.8	500.1	465.7	427.0	392.7	377.2	372.7
145°	584.3	580.5	571.7	561.6	549.6	524.9	493.3	454.7	420.5	400.3	390.8
147.5°	602.3	599.3	592.3	580.4	570.3	546.7	517.8	483.7	448.6	423.6	411.3
150°	613.4	610.9	603.9	592.6	582.4	560.3	532.5	500.9	467.3	440.8	425.0
152.5°	624.1	621.5	613.6	602.2	593.6	573.0	547.7	517.6	483.5	457.0	440.7
155°	638.1	634.9	627.3	616.6	609.0	590.0	566.6	540.1	511.0	483.2	464.8
157.5°	649.2	645.3	638.2	629.0	620.9	603.4	583.1	560.2	534.8	508.2	489.5
160°	655.8	651.4	643.8	635.6	628.0	611.5	593.2	572.3	548.9	524.9	504.7
162.5°	660.4	656.4	647.3	640.1	633.5	618.6	601.3	582.4	561.6	540.6	521.9
165°	665.3	660.9	651.4	645.7	640.0	627.3	612.2	597.0	579.3	562.2	547.0
167.5°	665.7	662.0	652.5	647.0	642.8	631.9	619.6	608.0	594.2	580.8	568.2
170°	664.7	661.5	652.0	647.0	643.8	634.9	624.2	614.1	603.3	591.9	581.8
172.5°	661.1	658.0	649.0	644.9	643.3	635.4	626.7	619.1	609.9	601.5	593.4
175°	652.0	649.5	641.9	639.4	640.0	634.9	628.6	624.2	618.5	613.4	609.0
177.5°	638.7	637.2	631.6	631.6	633.7	630.6	628.6	626.6	624.1	622.5	621.0
180°	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1



TEST NUMBER: P1428521

CATALOG NUMBER: SQ2W-WBM-K-050U-100D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2680.9	2680.9	2680.9	2680.9	2680.9	2680.9	2680.9	2680.9	2680.9	2680.9	2680.9
2.5°	2670.2	2670.5	2680.5	2687.5	2685.2	2682.9	2685.2	2687.5	2680.5	2670.5	2670.2
5°	2667.0	2669.6	2685.6	2697.2	2695.4	2693.7	2695.4	2697.2	2685.6	2669.6	2667.0
7.5°	2673.7	2675.6	2687.7	2696.2	2693.5	2690.9	2693.5	2696.2	2687.7	2675.6	2673.7
10°	2671.4	2671.7	2684.3	2693.3	2691.6	2689.9	2691.6	2693.3	2684.3	2671.7	2671.4
12.5°	2670.1	2666.3	2676.1	2682.4	2678.4	2674.4	2678.4	2682.4	2676.1	2666.3	2670.1
15°	2661.0	2648.7	2648.7	2647.3	2641.6	2635.9	2641.6	2647.3	2648.7	2648.7	2661.0
17.5°	2622.0	2601.2	2592.4	2584.0	2577.1	2570.1	2577.1	2584.0	2592.4	2601.2	2622.0
20°	2580.5	2554.2	2539.9	2528.5	2525.7	2522.8	2525.7	2528.5	2539.9	2554.2	2580.5
22.5°	2527.4	2499.0	2483.4	2470.5	2465.8	2461.1	2465.8	2470.5	2483.4	2499.0	2527.4
25°	2425.4	2398.8	2387.4	2377.3	2371.0	2364.7	2371.0	2377.3	2387.4	2398.8	2425.4
27.5°	2294.3	2268.2	2255.2	2243.3	2234.6	2225.9	2234.6	2243.3	2255.2	2268.2	2294.3
30°	2197.6	2173.7	2156.5	2140.2	2126.5	2112.8	2126.5	2140.2	2156.5	2173.7	2197.6
32.5°	2079.6	2057.9	2041.7	2026.8	2015.8	2004.9	2015.8	2026.8	2041.7	2057.9	2079.6
35°	1879.5	1861.8	1842.9	1825.9	1814.5	1803.1	1814.5	1825.9	1842.9	1861.8	1879.5
37.5°	1627.7	1613.7	1598.8	1584.8	1573.3	1561.7	1573.3	1584.8	1598.8	1613.7	1627.7
40°	1448.7	1432.4	1410.7	1393.7	1390.8	1388.0	1390.8	1393.7	1410.7	1432.4	1448.7
42.5°	1255.4	1239.6	1222.9	1207.0	1193.7	1180.3	1193.7	1207.0	1222.9	1239.6	1255.4
45°	962.6	952.6	932.6	903.9	849.1	794.2	849.1	903.9	932.6	952.6	962.6
47.5°	666.9	653.2	593.8	532.6	466.0	399.4	466.0	532.6	593.8	653.2	666.9
50°	483.7	469.1	386.8	319.6	297.3	275.0	297.3	319.6	386.8	469.1	483.7
52.5°	356.9	350.1	280.6	225.6	213.8	202.0	213.8	225.6	280.6	350.1	356.9
55°	198.1	196.3	164.9	140.2	135.7	131.1	135.7	140.2	164.9	196.3	198.1
57.5°	115.1	115.1	104.1	94.1	86.9	79.7	86.9	94.1	104.1	115.1	115.1
60°	84.1	83.0	71.5	61.4	55.1	48.8	55.1	61.4	71.5	83.0	84.1
62.5°	66.3	65.6	56.5	49.1	46.9	44.7	46.9	49.1	56.5	65.6	66.3
65°	43.4	43.1	42.0	40.8	39.7	38.6	39.7	40.8	42.0	43.1	43.4
67.5°	36.7	36.4	36.3	36.0	35.0	33.9	35.0	36.0	36.3	36.4	36.7
70°	33.4	33.1	32.6	32.0	31.4	30.8	31.4	32.0	32.6	33.1	33.4
72.5°	29.5	29.2	29.1	28.8	27.8	26.7	27.8	28.8	29.1	29.2	29.5
75°	24.4	24.1	23.6	23.0	22.4	21.8	22.4	23.0	23.6	24.1	24.4
77.5°	18.8	18.5	18.5	18.4	17.8	17.2	17.8	18.4	18.5	18.5	18.8
80°	15.7	15.4	15.4	15.3	14.7	14.1	14.7	15.3	15.4	15.4	15.7
82.5°	12.4	12.3	12.3	12.2	11.6	11.1	11.6	12.2	12.3	12.3	12.4
85°	6.7	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.7
87.5°	5.2	5.9	6.7	7.2	7.7	7.5	7.7	7.2	6.7	5.9	5.2
90°	14.5	19.0	23.4	25.9	28.5	27.2	28.5	25.9	23.4	19.0	14.5
92.5°	29.2	36.7	42.1	46.7	48.7	48.4	48.7	46.7	42.1	36.7	29.2
95°	58.8	67.7	76.5	82.8	86.6	85.4	86.6	82.8	76.5	67.7	58.8
97.5°	90.7	102.6	112.4	118.4	122.2	124.7	122.2	118.4	112.4	102.6	90.7
100°	111.9	123.3	134.7	141.7	148.0	150.5	148.0	141.7	134.7	123.3	111.9
102.5°	129.1	144.1	156.5	163.9	169.2	171.8	169.2	163.9	156.5	144.1	129.1
105°	157.5	173.3	186.6	196.0	201.7	203.6	201.7	196.0	186.6	173.3	157.5
107.5°	185.8	202.1	214.4	224.9	231.8	235.9	231.8	224.9	214.4	202.1	185.8
110°	208.1	221.3	234.6	244.1	251.1	253.6	251.1	244.1	234.6	221.3	208.1



TEST NUMBER: P1428521

CATALOG NUMBER: SQ2W-WBM-K-050U-100D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	226.8	241.6	254.9	264.3	272.3	275.9	272.3	264.3	254.9	241.6	226.8
115°	253.0	272.6	284.6	293.4	299.1	302.3	299.1	293.4	284.6	272.6	253.0
117.5°	274.7	295.2	308.4	315.2	317.8	320.1	317.8	315.2	308.4	295.2	274.7
120°	288.4	307.3	322.5	331.4	334.5	335.8	334.5	331.4	322.5	307.3	288.4
122.5°	301.0	319.0	333.7	344.5	349.7	351.0	349.7	344.5	333.7	319.0	301.0
125°	318.7	335.8	351.0	361.7	367.4	370.6	367.4	361.7	351.0	335.8	318.7
127.5°	334.2	352.6	366.5	376.3	381.8	384.4	381.8	376.3	366.5	352.6	334.2
130°	342.8	361.7	375.6	386.4	391.5	394.0	391.5	386.4	375.6	361.7	342.8
132.5°	349.3	369.3	383.7	393.5	399.0	401.6	399.0	393.5	383.7	369.3	349.3
135°	357.3	378.2	393.4	402.8	407.9	410.4	407.9	402.8	393.4	378.2	357.3
137.5°	364.3	383.2	399.0	409.0	413.6	415.2	413.6	409.0	399.0	383.2	364.3
140°	369.3	385.8	401.6	411.1	416.1	416.8	416.1	411.1	401.6	385.8	369.3
142.5°	375.9	388.8	402.6	412.1	417.1	418.3	417.1	412.1	402.6	388.8	375.9
145°	387.7	395.3	404.7	413.6	418.0	419.3	418.0	413.6	404.7	395.3	387.7
147.5°	402.5	404.9	409.8	415.6	419.9	420.8	419.9	415.6	409.8	404.9	402.5
150°	413.6	413.0	414.9	418.7	422.4	421.8	422.4	418.7	414.9	413.0	413.6
152.5°	426.2	422.6	422.4	424.2	426.0	425.9	426.0	424.2	422.4	422.6	426.2
155°	447.7	440.8	437.0	435.7	435.7	435.1	435.7	435.7	437.0	440.8	447.7
157.5°	471.4	461.7	456.0	452.9	452.0	450.7	452.0	452.9	456.0	461.7	471.4
160°	487.6	476.8	471.1	466.1	464.2	462.3	464.2	466.1	471.1	476.8	487.6
162.5°	502.8	492.5	486.3	481.8	479.9	477.0	479.9	481.8	486.3	492.5	502.8
165°	527.4	516.7	509.7	505.9	503.4	500.9	503.4	505.9	509.7	516.7	527.4
167.5°	552.1	540.3	535.8	531.5	529.1	524.5	529.1	531.5	535.8	540.3	552.1
170°	567.3	556.5	554.0	550.2	545.8	540.7	545.8	550.2	554.0	556.5	567.3
172.5°	580.4	573.2	570.7	566.9	565.5	561.4	565.5	566.9	570.7	573.2	580.4
175°	599.5	593.8	593.8	593.2	591.3	587.5	591.3	593.2	593.8	593.8	599.5
177.5°	615.5	612.4	614.4	614.4	613.9	610.4	613.9	614.4	614.4	612.4	615.5
180°	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1



TEST NUMBER: P1428521

CATALOG NUMBER: SQ2W-WBM-K-050U-100D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	2680.9	2680.9	2680.9	2680.9
2.5°	2679.8	2687.8	2691.0	2694.2
5°	2677.9	2687.0	2691.0	2695.0
7.5°	2682.1	2688.8	2690.5	2692.2
10°	2683.4	2692.3	2691.7	2691.2
12.5°	2687.6	2699.5	2694.8	2690.1
15°	2685.6	2701.7	2692.6	2683.4
17.5°	2654.7	2676.6	2665.8	2654.9
20°	2618.8	2644.7	2633.9	2623.0
22.5°	2568.4	2596.2	2584.4	2572.7
25°	2467.1	2496.1	2487.0	2477.8
27.5°	2333.4	2361.4	2356.4	2351.4
30°	2228.5	2251.1	2248.8	2246.5
32.5°	2106.8	2126.6	2124.4	2122.1
35°	1896.1	1908.8	1909.9	1911.1
37.5°	1640.8	1650.3	1648.7	1647.1
40°	1459.5	1467.4	1466.2	1465.1
42.5°	1270.4	1277.3	1260.2	1243.0
45°	962.6	949.6	897.6	845.6
47.5°	634.8	595.9	536.7	477.6
50°	430.5	380.7	340.7	300.7
52.5°	301.0	254.0	233.7	213.3
55°	170.1	147.2	139.8	132.4
57.5°	104.1	94.0	86.3	78.7
60°	75.0	66.5	60.3	54.0
62.5°	58.5	52.0	49.4	46.8
65°	42.8	42.3	41.7	41.1
67.5°	37.2	37.4	36.8	36.2
70°	33.4	33.3	32.7	32.1
72.5°	30.0	30.2	29.6	29.0
75°	24.4	24.4	24.4	24.4
77.5°	19.4	19.6	19.1	18.5
80°	16.3	16.6	16.0	15.4
82.5°	12.5	12.6	12.5	12.3
85°	7.3	7.7	7.7	7.7
87.5°	5.0	4.4	3.4	2.4
90°	11.4	7.0	4.4	1.9
92.5°	24.5	17.1	12.0	7.0
95°	49.3	39.2	27.8	19.6
97.5°	78.5	62.2	51.0	37.4
100°	94.2	78.4	67.7	53.1
102.5°	111.4	98.1	83.4	68.8
105°	142.3	125.8	108.8	92.3
107.5°	170.9	152.8	132.3	117.5
110°	189.1	169.5	148.0	134.7

TEST NUMBER: P1428521

CATALOG NUMBER: SQ2W-WBM-K-050U-100D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	206.8	186.7	164.7	151.4
115°	230.8	208.7	188.5	177.1
117.5°	254.0	231.2	209.8	200.9
120°	268.1	245.4	224.5	217.5
122.5°	279.8	257.5	238.2	235.3
125°	297.2	274.5	258.0	261.8
127.5°	311.4	290.5	280.2	288.6
130°	320.0	301.7	295.3	307.3
132.5°	327.6	313.3	310.5	327.1
135°	339.0	330.7	333.3	356.0
137.5°	352.5	349.3	357.8	386.5
140°	361.1	363.0	375.0	407.3
142.5°	372.7	377.2	392.7	427.0
145°	390.8	400.3	420.5	454.7
147.5°	411.3	423.6	448.6	483.7
150°	425.0	440.8	467.3	500.9
152.5°	440.7	457.0	483.5	517.6
155°	464.8	483.2	511.0	540.1
157.5°	489.5	508.2	534.8	560.2
160°	504.7	524.9	548.9	572.3
162.5°	521.9	540.6	561.6	582.4
165°	547.0	562.2	579.3	597.0
167.5°	568.2	580.8	594.2	608.0
170°	581.8	591.9	603.3	614.1
172.5°	593.4	601.5	609.9	619.1
175°	609.0	613.4	618.5	624.2
177.5°	621.0	622.5	624.1	626.6
180°	626.1	626.1	626.1	626.1



TEST NUMBER: P1428521

CATALOG NUMBER: SQ2W-WBM-K-050U-100D-L930-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	6.77	7.61	7.57	8.41	9.38	6.75	7.59	7.56	8.39	9.36
	3H	7.46	8.21	8.28	9.02	10.02	7.38	8.13	8.20	8.93	9.94
	4H	7.83	8.53	8.66	9.34	10.36	7.69	8.39	8.52	9.20	10.22
	6H	8.10	8.74	8.95	9.57	10.59	7.93	8.56	8.77	9.39	10.42
	8H	8.22	8.83	9.08	9.67	10.70	8.03	8.63	8.88	9.47	10.50
	12H	8.30	8.88	9.16	9.71	10.76	8.08	8.65	8.93	9.49	10.54
4H	2H	6.87	7.57	7.71	8.39	9.40	6.86	7.55	7.69	8.37	9.39
	3H	7.82	8.39	8.67	9.24	10.27	7.74	8.31	8.58	9.16	10.19
	4H	8.33	8.84	9.18	9.69	10.75	8.18	8.69	9.04	9.54	10.60
	6H	8.75	9.20	9.63	10.07	11.13	8.56	9.00	9.43	9.87	10.94
	8H	8.94	9.36	9.82	10.22	11.29	8.72	9.13	9.60	10.00	11.07
	12H	9.07	9.44	9.96	10.33	11.40	8.81	9.18	9.71	10.07	11.15
8H	4H	8.44	8.86	9.32	9.72	10.80	8.31	8.72	9.19	9.59	10.66
	6H	9.02	9.36	9.92	10.27	11.34	8.83	9.16	9.73	10.08	11.15
	8H	9.31	9.61	10.22	10.51	11.60	9.09	9.39	10.01	10.30	11.39
	12H	9.53	9.79	10.44	10.68	11.83	9.26	9.52	10.17	10.42	11.57
12H	4H	8.43	8.79	9.32	9.68	10.76	8.30	8.66	9.19	9.55	10.63
	6H	9.05	9.35	9.97	10.26	11.35	8.87	9.17	9.78	10.07	11.17
	8H	9.38	9.64	10.29	10.54	11.68	9.17	9.44	10.08	10.33	11.48