

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: P1428512

Luminaire Tested: SQ2W-WBM-K-025U-125D-L930-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428512
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-025U-125D-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 1250 LUMENS PER FOOT
UPLIGHT 250 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

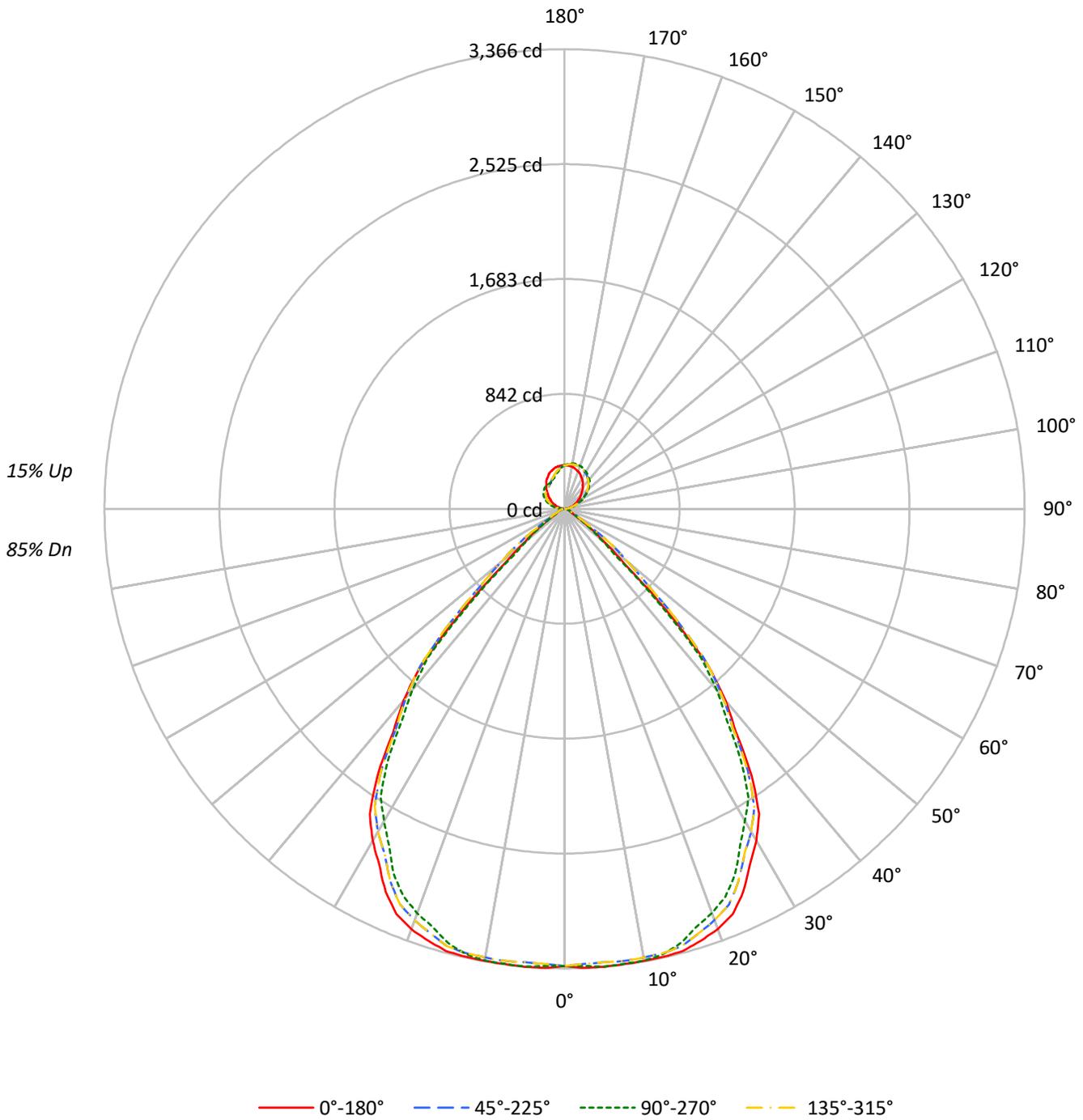
Lumens per Lamp: N/A
Luminaire Lumens: 6170.1 lumens
Efficiency: N/A
Efficacy: 107.7 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.18 / 1.17
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 57.3
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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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	50	30	10	50	30	10	0				
RCR																															
0	115	115	115	115	111	111	111	111	103	103	103	95	95	95	88	88	88	85													
1	109	105	102	100	104	102	99	97	95	93	91	88	87	85	83	82	80	78													
2	102	96	91	87	98	93	88	85	87	84	81	82	79	77	77	75	73	70													
3	95	87	81	77	92	85	79	75	80	75	72	75	72	69	71	68	66	64													
4	89	80	73	68	86	78	72	67	73	68	64	70	65	62	66	63	60	58													
5	83	73	66	61	80	71	65	60	68	62	58	64	60	56	61	57	54	52													
6	78	67	60	55	75	66	59	54	62	57	53	59	55	51	57	53	50	48													
7	73	62	55	50	70	60	54	49	58	52	48	55	50	47	53	49	45	44													
8	68	57	50	46	66	56	49	45	54	48	44	51	46	43	49	45	42	40													
9	64	53	46	42	62	52	46	41	50	44	40	48	43	39	46	42	38	37													
10	61	49	43	38	59	48	42	38	47	41	37	45	40	36	43	39	36	34													

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	54063	54063	54063	54063
5°	54557	54531	54557	54531
10°	55107	55081	55107	55081
15°	56024	55031	56024	55031
20°	56293	54141	56293	54141
25°	55135	52617	55135	52617
30°	52311	49200	52311	49200
35°	47048	44389	47048	44389
40°	38570	36538	38570	36538
45°	24116	22651	24116	22651
50°	9434	8628	9434	8628
55°	4653	4608	4653	4608
60°	2176	1970	2176	1970
65°	1964	1841	1964	1841
70°	1893	1817	1893	1817
75°	1903	1703	1903	1703
80°	1794	1646	1794	1646
85°	1778	1482	1778	1482

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 30°
 Vertical Angle: 45°
 Luminance: 27452 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	320.2	5.2
10°-20°	936.2	15.2
20°-30°	1384.2	22.4
30°-40°	1432.1	23.2
40°-50°	861.4	14.0
50°-60°	205.9	3.3
60°-70°	56.3	0.9
70°-80°	31.5	0.5
80°-90°	11.3	0.2
90°-100°	25.4	0.4
100°-110°	74.0	1.2
110°-120°	120.8	2.0
120°-130°	153.3	2.5
130°-140°	164.0	2.7
140°-150°	153.1	2.5
150°-160°	126.0	2.0
160°-170°	84.5	1.4
170°-180°	30.0	0.5
0°-30°	2640.5	42.8
0°-40°	4072.6	66.0
0°-60°	5140.0	83.3
0°-90°	5239.1	84.9
90°-120°	220.2	3.6
90°-150°	690.5	11.2
90°-180°	931.0	15.1
0°-180°	6170.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3348	3348	3348	3348	3348	
5°	3366	3365	3366	3365	3366	321
15°	3352	3292	3352	3292	3352	945
25°	3095	2954	3095	2954	3095	1415
35°	2387	2252	2387	2252	2387	1465
45°	1056	992	1056	992	1056	817
55°	165	164	165	164	165	166
65°	51	48	51	48	51	52
75°	30	27	30	27	30	32
85°	10	8	10	8	10	10
90°	1	7	1	14	1	1
95°	10	7	10	44	10	12
105°	47	75	47	104	47	50
115°	90	125	90	154	90	89
125°	133	198	133	189	133	119
135°	181	259	181	209	181	140
145°	232	299	232	214	232	145
155°	275	325	275	222	275	126
165°	304	338	304	255	304	86
175°	318	331	318	299	318	30
180°	319	319	319	319	319	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	3348.5	3348.5	3348.5	3348.5	3348.5	3348.5	3348.5	3348.5	3348.5	3348.5	3348.5
2.5°	3365.2	3361.2	3357.2	3347.2	3335.2	3335.5	3348.1	3356.8	3353.9	3351.1	3353.9
5°	3366.2	3361.2	3356.2	3344.8	3331.2	3334.4	3354.4	3368.8	3366.7	3364.6	3366.7
7.5°	3362.6	3360.5	3358.4	3350.0	3339.6	3341.9	3357.1	3367.6	3364.3	3361.0	3364.3
10°	3361.3	3362.1	3362.8	3351.7	3336.7	3337.1	3352.8	3364.0	3361.9	3359.7	3361.9
12.5°	3360.1	3365.9	3371.8	3356.9	3335.0	3330.2	3342.5	3350.5	3345.5	3340.5	3345.5
15°	3351.7	3363.1	3374.5	3354.4	3323.7	3308.4	3308.4	3306.6	3299.5	3292.3	3299.5
17.5°	3316.1	3329.6	3343.2	3315.9	3274.9	3248.9	3238.0	3227.5	3218.8	3210.1	3218.8
20°	3276.3	3289.8	3303.4	3270.9	3223.1	3190.3	3172.5	3158.2	3154.6	3151.1	3154.6
22.5°	3213.3	3228.0	3242.7	3208.0	3156.8	3121.4	3101.8	3085.7	3079.9	3074.0	3079.9
25°	3094.9	3106.3	3117.7	3081.5	3029.4	2996.2	2982.0	2969.3	2961.5	2953.6	2961.5
27.5°	2936.9	2943.2	2949.5	2914.5	2865.7	2833.1	2816.9	2801.9	2791.1	2780.3	2791.1
30°	2805.9	2808.8	2811.6	2783.5	2744.9	2715.0	2693.6	2673.2	2656.1	2639.0	2656.1
32.5°	2650.6	2653.4	2656.3	2631.5	2597.5	2570.4	2550.2	2531.6	2517.9	2504.2	2517.9
35°	2387.0	2385.5	2384.1	2368.2	2347.6	2325.4	2301.9	2280.7	2266.4	2252.1	2266.4
37.5°	2057.3	2059.3	2061.3	2049.4	2033.0	2015.6	1997.0	1979.5	1965.1	1950.7	1965.1
40°	1830.0	1831.4	1832.8	1823.0	1809.4	1789.1	1762.0	1740.8	1737.2	1733.6	1737.2
42.5°	1552.6	1574.0	1595.4	1586.7	1568.0	1548.3	1527.4	1507.6	1490.9	1474.2	1490.9
45°	1056.2	1121.2	1186.1	1202.3	1202.3	1189.8	1164.9	1129.0	1060.5	992.0	1060.5
47.5°	596.5	670.4	744.3	792.9	833.0	815.9	741.7	665.3	582.1	498.9	582.1
50°	375.6	425.6	475.5	537.8	604.1	585.9	483.2	399.2	371.3	343.5	371.3
52.5°	266.5	291.9	317.3	375.9	445.7	437.2	350.5	281.7	267.0	252.3	267.0
55°	165.3	174.6	183.9	212.4	247.4	245.2	206.0	175.1	169.4	163.7	169.4
57.5°	98.2	107.8	117.4	130.0	143.7	143.7	130.0	117.5	108.5	99.5	108.5
60°	67.4	75.3	83.1	93.6	105.1	103.6	89.4	76.7	68.8	61.0	68.8
62.5°	58.4	61.7	65.0	73.1	82.8	81.9	70.5	61.3	58.6	55.9	58.6
65°	51.4	52.1	52.8	53.5	54.2	53.9	52.4	51.0	49.6	48.2	49.6
67.5°	45.3	46.0	46.7	46.4	45.9	45.5	45.4	44.9	43.7	42.4	43.7
70°	40.1	40.8	41.6	41.7	41.7	41.4	40.7	40.0	39.2	38.5	39.2
72.5°	36.3	37.0	37.7	37.5	36.9	36.5	36.4	36.0	34.7	33.4	34.7
75°	30.5	30.5	30.5	30.5	30.5	30.1	29.4	28.7	28.0	27.3	28.0
77.5°	23.1	23.8	24.5	24.2	23.5	23.1	23.1	22.9	22.2	21.5	22.2
80°	19.3	20.0	20.7	20.3	19.6	19.3	19.3	19.1	18.4	17.7	18.4
82.5°	15.4	15.6	15.7	15.6	15.5	15.4	15.4	15.2	14.5	13.8	14.5
85°	9.6	9.6	9.6	9.1	8.4	8.0	8.0	8.0	8.0	8.0	8.0
87.5°	2.8	3.6	4.5	4.5	4.1	3.9	3.9	3.9	4.0	4.0	4.0
90°	1.0	2.3	3.9	5.2	6.1	6.4	6.4	6.8	7.1	7.1	7.1
92.5°	3.5	5.6	5.7	5.7	6.9	7.5	8.0	8.1	8.4	8.4	8.4
95°	10.0	11.0	16.4	16.1	11.0	8.7	7.4	7.4	7.4	7.4	7.4
97.5°	19.1	20.5	21.4	28.7	30.3	29.2	23.8	20.0	17.9	16.9	17.9
100°	27.1	27.7	29.6	30.0	38.0	45.7	41.9	37.0	35.4	34.5	35.4
102.5°	35.0	35.4	38.4	39.7	41.6	46.0	59.4	57.9	56.8	56.6	56.8
105°	47.0	47.3	52.8	55.4	56.7	56.7	56.4	62.8	73.1	75.4	73.1
107.5°	59.8	61.3	67.8	74.7	76.1	76.5	74.9	73.9	73.5	73.8	73.5
110°	68.6	70.9	78.6	87.3	89.5	90.2	89.5	88.6	87.9	87.9	87.9



TEST NUMBER: P1428512

CATALOG NUMBER: SQ2W-WBM-K-025U-125D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	77.1	80.4	89.2	99.1	102.9	104.9	103.5	102.7	102.1	102.6	102.1
115°	90.2	95.0	106.6	116.9	124.6	125.6	125.3	125.3	125.0	125.0	125.0
117.5°	102.3	110.0	123.0	135.0	144.0	146.5	147.8	147.5	147.1	147.7	147.1
120°	110.8	119.8	134.6	148.2	156.9	160.7	162.0	161.4	162.0	161.4	162.0
122.5°	119.8	130.9	145.5	159.5	169.7	174.1	175.7	175.8	175.9	175.5	175.9
125°	133.3	146.9	163.9	178.4	189.1	194.2	195.5	195.8	196.5	198.1	196.5
127.5°	147.0	162.3	181.1	195.1	205.9	212.2	214.2	214.9	216.2	217.0	216.2
130°	156.5	173.9	192.9	206.1	216.8	223.5	227.1	228.0	229.6	229.3	229.6
132.5°	166.6	184.7	204.0	217.7	227.6	234.9	237.9	240.7	241.2	241.7	241.2
135°	181.3	201.0	220.3	233.8	243.2	250.3	254.1	256.7	258.3	259.3	258.3
137.5°	196.9	217.6	236.2	248.2	257.6	263.7	268.1	270.8	272.5	273.3	272.5
140°	207.4	227.4	245.4	258.0	266.4	272.5	276.3	279.6	281.5	281.5	281.5
142.5°	217.5	237.2	254.7	267.3	274.6	280.2	284.3	286.8	289.0	289.0	289.0
145°	231.6	251.2	267.3	279.9	286.0	291.2	295.7	297.6	298.9	298.9	298.9
147.5°	246.3	263.7	278.4	290.5	295.6	301.7	305.2	306.8	308.4	307.7	308.4
150°	255.1	271.2	285.4	296.6	301.8	307.6	311.1	312.4	314.0	313.1	314.0
152.5°	263.6	278.9	291.8	302.3	306.7	312.5	316.5	317.8	318.9	318.2	318.9
155°	275.1	288.6	300.5	310.2	314.0	319.5	323.4	325.0	326.3	324.7	326.3
157.5°	285.3	297.0	307.3	316.2	320.3	325.0	328.7	330.7	331.9	331.2	331.9
160°	291.5	302.1	311.5	319.8	323.7	327.9	331.7	334.0	335.3	334.3	335.3
162.5°	296.6	306.2	315.1	322.7	326.0	329.7	334.3	336.3	337.6	336.4	337.6
165°	304.0	311.8	319.5	326.0	328.8	331.7	336.6	338.8	339.8	338.5	339.8
167.5°	309.7	315.6	321.8	327.4	329.5	332.3	337.2	339.0	340.3	338.6	340.3
170°	312.7	317.9	323.4	327.9	329.5	332.1	336.9	338.5	339.5	337.9	339.5
172.5°	315.3	319.2	323.6	327.6	328.5	330.5	335.1	336.7	337.4	336.1	337.4
175°	317.9	320.2	323.4	326.0	325.6	326.9	330.8	332.1	333.4	331.4	333.4
177.5°	319.1	320.2	321.2	322.7	321.7	321.7	324.5	325.3	325.6	324.5	325.6
180°	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	3348.5	3348.5	3348.5	3348.5	3348.5	3348.5	3348.5	3348.5	3348.5	3348.5	3348.5
2.5°	3356.8	3348.1	3335.5	3335.2	3347.2	3357.2	3361.2	3365.2	3361.2	3357.2	3347.2
5°	3368.8	3354.4	3334.4	3331.2	3344.8	3356.2	3361.2	3366.2	3361.2	3356.2	3344.8
7.5°	3367.6	3357.1	3341.9	3339.6	3350.0	3358.4	3360.5	3362.6	3360.5	3358.4	3350.0
10°	3364.0	3352.8	3337.1	3336.7	3351.7	3362.8	3362.1	3361.3	3362.1	3362.8	3351.7
12.5°	3350.5	3342.5	3330.2	3335.0	3356.9	3371.8	3365.9	3360.1	3365.9	3371.8	3356.9
15°	3306.6	3308.4	3308.4	3323.7	3354.4	3374.5	3363.1	3351.7	3363.1	3374.5	3354.4
17.5°	3227.5	3238.0	3248.9	3274.9	3315.9	3343.2	3329.6	3316.1	3329.6	3343.2	3315.9
20°	3158.2	3172.5	3190.3	3223.1	3270.9	3303.4	3289.8	3276.3	3289.8	3303.4	3270.9
22.5°	3085.7	3101.8	3121.4	3156.8	3208.0	3242.7	3228.0	3213.3	3228.0	3242.7	3208.0
25°	2969.3	2982.0	2996.2	3029.4	3081.5	3117.7	3106.3	3094.9	3106.3	3117.7	3081.5
27.5°	2801.9	2816.9	2833.1	2865.7	2914.5	2949.5	2943.2	2936.9	2943.2	2949.5	2914.5
30°	2673.2	2693.6	2715.0	2744.9	2783.5	2811.6	2808.8	2805.9	2808.8	2811.6	2783.5
32.5°	2531.6	2550.2	2570.4	2597.5	2631.5	2656.3	2653.4	2650.6	2653.4	2656.3	2631.5
35°	2280.7	2301.9	2325.4	2347.6	2368.2	2384.1	2385.5	2387.0	2385.5	2384.1	2368.2
37.5°	1979.5	1997.0	2015.6	2033.0	2049.4	2061.3	2059.3	2057.3	2059.3	2061.3	2049.4
40°	1740.8	1762.0	1789.1	1809.4	1823.0	1832.8	1831.4	1830.0	1831.4	1832.8	1823.0
42.5°	1507.6	1527.4	1548.3	1568.0	1586.7	1595.4	1574.0	1552.6	1574.0	1595.4	1586.7
45°	1129.0	1164.9	1189.8	1202.3	1202.3	1186.1	1121.2	1056.2	1121.2	1186.1	1202.3
47.5°	665.3	741.7	815.9	833.0	792.9	744.3	670.4	596.5	670.4	744.3	792.9
50°	399.2	483.2	585.9	604.1	537.8	475.5	425.6	375.6	425.6	475.5	537.8
52.5°	281.7	350.5	437.2	445.7	375.9	317.3	291.9	266.5	291.9	317.3	375.9
55°	175.1	206.0	245.2	247.4	212.4	183.9	174.6	165.3	174.6	183.9	212.4
57.5°	117.5	130.0	143.7	143.7	130.0	117.4	107.8	98.2	107.8	117.4	130.0
60°	76.7	89.4	103.6	105.1	93.6	83.1	75.3	67.4	75.3	83.1	93.6
62.5°	61.3	70.5	81.9	82.8	73.1	65.0	61.7	58.4	61.7	65.0	73.1
65°	51.0	52.4	53.9	54.2	53.5	52.8	52.1	51.4	52.1	52.8	53.5
67.5°	44.9	45.4	45.5	45.9	46.4	46.7	46.0	45.3	46.0	46.7	46.4
70°	40.0	40.7	41.4	41.7	41.7	41.6	40.8	40.1	40.8	41.6	41.7
72.5°	36.0	36.4	36.5	36.9	37.5	37.7	37.0	36.3	37.0	37.7	37.5
75°	28.7	29.4	30.1	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5
77.5°	22.9	23.1	23.1	23.5	24.2	24.5	23.8	23.1	23.8	24.5	24.2
80°	19.1	19.3	19.3	19.6	20.3	20.7	20.0	19.3	20.0	20.7	20.3
82.5°	15.2	15.4	15.4	15.5	15.6	15.7	15.6	15.4	15.6	15.7	15.6
85°	8.0	8.0	8.0	8.4	9.1	9.6	9.6	9.6	9.6	9.6	9.1
87.5°	3.9	3.9	3.9	4.1	4.5	4.5	3.6	2.8	3.6	4.4	4.6
90°	6.8	6.4	6.4	6.1	5.2	3.9	2.3	1.0	2.3	3.5	5.8
92.5°	8.1	8.0	7.5	6.9	5.7	5.7	5.6	3.5	6.1	8.7	12.5
95°	7.4	7.4	8.7	11.0	16.1	16.4	11.0	10.0	14.2	20.0	25.1
97.5°	20.0	23.8	29.2	30.3	28.7	21.4	20.5	19.1	26.0	31.7	40.0
100°	37.0	41.9	45.7	38.0	30.0	29.6	27.7	27.1	34.5	39.9	48.0
102.5°	57.9	59.4	46.0	41.6	39.7	38.4	35.4	35.0	42.5	50.0	56.8
105°	62.8	56.4	56.7	56.7	55.4	52.8	47.3	47.0	55.4	64.1	72.5
107.5°	73.9	74.9	76.5	76.1	74.7	67.8	61.3	59.8	67.4	77.8	87.0
110°	88.6	89.5	90.2	89.5	87.3	78.6	70.9	68.6	75.4	86.3	96.3



TEST NUMBER: P1428512

CATALOG NUMBER: SQ2W-WBM-K-025U-125D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	102.7	103.5	104.9	102.9	99.1	89.2	80.4	77.1	83.9	95.1	105.3
115°	125.3	125.3	125.6	124.6	116.9	106.6	95.0	90.2	96.0	106.3	117.6
117.5°	147.5	147.8	146.5	144.0	135.0	123.0	110.0	102.3	106.9	117.8	129.3
120°	161.4	162.0	160.7	156.9	148.2	134.6	119.8	110.8	114.3	125.0	136.6
122.5°	175.8	175.7	174.1	169.7	159.5	145.5	130.9	119.8	121.3	131.2	142.5
125°	195.8	195.5	194.2	189.1	178.4	163.9	146.9	133.3	131.4	139.8	151.4
127.5°	214.9	214.2	212.2	205.9	195.1	181.1	162.3	147.0	142.7	148.0	158.6
130°	228.0	227.1	223.5	216.8	206.1	192.9	173.9	156.5	150.4	153.6	163.0
132.5°	240.7	237.9	234.9	227.6	217.7	204.0	184.7	166.6	158.1	159.6	166.8
135°	256.7	254.1	250.3	243.2	233.8	220.3	201.0	181.3	169.7	168.5	172.6
137.5°	270.8	268.1	263.7	257.6	248.2	236.2	217.6	196.9	182.2	177.9	179.5
140°	279.6	276.3	272.5	266.4	258.0	245.4	227.4	207.4	191.0	184.9	183.9
142.5°	286.8	284.3	280.2	274.6	267.3	254.7	237.2	217.5	200.0	192.1	189.8
145°	297.6	295.7	291.2	286.0	279.9	267.3	251.2	231.6	214.2	203.9	199.0
147.5°	306.8	305.2	301.7	295.6	290.5	278.4	263.7	246.3	228.5	215.7	209.5
150°	312.4	311.1	307.6	301.8	296.6	285.4	271.2	255.1	238.0	224.5	216.4
152.5°	317.8	316.5	312.5	306.7	302.3	291.8	278.9	263.6	246.3	232.7	224.4
155°	325.0	323.4	319.5	314.0	310.2	300.5	288.6	275.1	260.2	246.1	236.7
157.5°	330.7	328.7	325.0	320.3	316.2	307.3	297.0	285.3	272.4	258.8	249.3
160°	334.0	331.7	327.9	323.7	319.8	311.5	302.1	291.5	279.6	267.3	257.0
162.5°	336.3	334.3	329.7	326.0	322.7	315.1	306.2	296.6	286.0	275.3	265.8
165°	338.8	336.6	331.7	328.8	326.0	319.5	311.8	304.0	295.0	286.3	278.6
167.5°	339.0	337.2	332.3	329.5	327.4	321.8	315.6	309.7	302.6	295.8	289.4
170°	338.5	336.9	332.1	329.5	327.9	323.4	317.9	312.7	307.3	301.5	296.3
172.5°	336.7	335.1	330.5	328.5	327.6	323.6	319.2	315.3	310.6	306.4	302.2
175°	332.1	330.8	326.9	325.6	326.0	323.4	320.2	317.9	315.0	312.4	310.2
177.5°	325.3	324.5	321.7	321.7	322.7	321.2	320.2	319.1	317.8	317.1	316.3
180°	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9



TEST NUMBER: P1428512

CATALOG NUMBER: SQ2W-WBM-K-025U-125D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	3348.5	3348.5	3348.5	3348.5	3348.5	3348.5	3348.5	3348.5	3348.5	3348.5	3348.5
2.5°	3335.2	3335.5	3348.1	3356.8	3353.9	3351.1	3353.9	3356.8	3348.1	3335.5	3335.2
5°	3331.2	3334.4	3354.4	3368.8	3366.7	3364.6	3366.7	3368.8	3354.4	3334.4	3331.2
7.5°	3339.6	3341.9	3357.1	3367.6	3364.3	3361.0	3364.3	3367.6	3357.1	3341.9	3339.6
10°	3336.7	3337.1	3352.8	3364.0	3361.9	3359.7	3361.9	3364.0	3352.8	3337.1	3336.7
12.5°	3335.0	3330.2	3342.5	3350.5	3345.5	3340.5	3345.5	3350.5	3342.5	3330.2	3335.0
15°	3323.7	3308.4	3308.4	3306.6	3299.5	3292.3	3299.5	3306.6	3308.4	3308.4	3323.7
17.5°	3274.9	3248.9	3238.0	3227.5	3218.8	3210.1	3218.8	3227.5	3238.0	3248.9	3274.9
20°	3223.1	3190.3	3172.5	3158.2	3154.6	3151.1	3154.6	3158.2	3172.5	3190.3	3223.1
22.5°	3156.8	3121.4	3101.8	3085.7	3079.9	3074.0	3079.9	3085.7	3101.8	3121.4	3156.8
25°	3029.4	2996.2	2982.0	2969.3	2961.5	2953.6	2961.5	2969.3	2982.0	2996.2	3029.4
27.5°	2865.7	2833.1	2816.9	2801.9	2791.1	2780.3	2791.1	2801.9	2816.9	2833.1	2865.7
30°	2744.9	2715.0	2693.6	2673.2	2656.1	2639.0	2656.1	2673.2	2693.6	2715.0	2744.9
32.5°	2597.5	2570.4	2550.2	2531.6	2517.9	2504.2	2517.9	2531.6	2550.2	2570.4	2597.5
35°	2347.6	2325.4	2301.9	2280.7	2266.4	2252.1	2266.4	2280.7	2301.9	2325.4	2347.6
37.5°	2033.0	2015.6	1997.0	1979.5	1965.1	1950.7	1965.1	1979.5	1997.0	2015.6	2033.0
40°	1809.4	1789.1	1762.0	1740.8	1737.2	1733.6	1737.2	1740.8	1762.0	1789.1	1809.4
42.5°	1568.0	1548.3	1527.4	1507.6	1490.9	1474.2	1490.9	1507.6	1527.4	1548.3	1568.0
45°	1202.3	1189.8	1164.9	1129.0	1060.5	992.0	1060.5	1129.0	1164.9	1189.8	1202.3
47.5°	833.0	815.9	741.7	665.3	582.1	498.9	582.1	665.3	741.7	815.9	833.0
50°	604.1	585.9	483.2	399.2	371.3	343.5	371.3	399.2	483.2	585.9	604.1
52.5°	445.7	437.2	350.5	281.7	267.0	252.3	267.0	281.7	350.5	437.2	445.7
55°	247.4	245.2	206.0	175.1	169.4	163.7	169.4	175.1	206.0	245.2	247.4
57.5°	143.7	143.7	130.0	117.5	108.5	99.5	108.5	117.5	130.0	143.7	143.7
60°	105.1	103.6	89.4	76.7	68.8	61.0	68.8	76.7	89.4	103.6	105.1
62.5°	82.8	81.9	70.5	61.3	58.6	55.9	58.6	61.3	70.5	81.9	82.8
65°	54.2	53.9	52.4	51.0	49.6	48.2	49.6	51.0	52.4	53.9	54.2
67.5°	45.9	45.5	45.4	44.9	43.7	42.4	43.7	44.9	45.4	45.5	45.9
70°	41.7	41.4	40.7	40.0	39.2	38.5	39.2	40.0	40.7	41.4	41.7
72.5°	36.9	36.5	36.4	36.0	34.7	33.4	34.7	36.0	36.4	36.5	36.9
75°	30.5	30.1	29.4	28.7	28.0	27.3	28.0	28.7	29.4	30.1	30.5
77.5°	23.5	23.1	23.1	22.9	22.2	21.5	22.2	22.9	23.1	23.1	23.5
80°	19.6	19.3	19.3	19.1	18.4	17.7	18.4	19.1	19.3	19.3	19.6
82.5°	15.5	15.4	15.4	15.2	14.5	13.8	14.5	15.2	15.4	15.4	15.5
85°	8.4	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.4
87.5°	4.3	4.5	5.0	5.2	5.5	5.3	5.5	5.2	5.0	4.5	4.3
90°	7.4	9.7	11.9	13.2	14.5	13.8	14.5	13.2	11.9	9.7	7.4
92.5°	14.9	18.7	21.5	23.8	24.8	24.7	24.8	23.8	21.5	18.7	14.9
95°	30.0	34.5	39.0	42.2	44.1	43.5	44.1	42.2	39.0	34.5	30.0
97.5°	46.2	52.2	57.3	60.3	62.2	63.5	62.2	60.3	57.3	52.2	46.2
100°	57.0	62.8	68.6	72.1	75.4	76.7	75.4	72.1	68.6	62.8	57.0
102.5°	65.8	73.4	79.7	83.5	86.2	87.5	86.2	83.5	79.7	73.4	65.8
105°	80.2	88.3	95.0	99.8	102.7	103.7	102.7	99.8	95.0	88.3	80.2
107.5°	94.6	102.9	109.2	114.5	118.1	120.1	118.1	114.5	109.2	102.9	94.6
110°	106.0	112.7	119.5	124.3	127.9	129.2	127.9	124.3	119.5	112.7	106.0



TEST NUMBER: P1428512

CATALOG NUMBER: SQ2W-WBM-K-025U-125D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	115.5	123.0	129.8	134.6	138.7	140.5	138.7	134.6	129.8	123.0	115.5
115°	128.8	138.8	144.9	149.4	152.3	154.0	152.3	149.4	144.9	138.8	128.8
117.5°	139.9	150.3	157.0	160.5	161.9	163.0	161.9	160.5	157.0	150.3	139.9
120°	146.9	156.5	164.3	168.8	170.4	171.0	170.4	168.8	164.3	156.5	146.9
122.5°	153.3	162.5	169.9	175.5	178.1	178.8	178.1	175.5	169.9	162.5	153.3
125°	162.3	171.0	178.8	184.2	187.1	188.7	187.1	184.2	178.8	171.0	162.3
127.5°	170.2	179.6	186.7	191.6	194.5	195.8	194.5	191.6	186.7	179.6	170.2
130°	174.6	184.2	191.3	196.8	199.4	200.7	199.4	196.8	191.3	184.2	174.6
132.5°	177.9	188.1	195.4	200.4	203.2	204.5	203.2	200.4	195.4	188.1	177.9
135°	182.0	192.6	200.3	205.2	207.7	209.0	207.7	205.2	200.3	192.6	182.0
137.5°	185.5	195.2	203.2	208.3	210.6	211.5	210.6	208.3	203.2	195.2	185.5
140°	188.1	196.5	204.5	209.4	211.9	212.3	211.9	209.4	204.5	196.5	188.1
142.5°	191.4	198.0	205.0	209.9	212.4	213.0	212.4	209.9	205.0	198.0	191.4
145°	197.4	201.3	206.1	210.6	212.9	213.5	212.9	210.6	206.1	201.3	197.4
147.5°	205.0	206.2	208.7	211.7	213.9	214.3	213.9	211.7	208.7	206.2	205.0
150°	210.6	210.3	211.3	213.2	215.2	214.8	215.2	213.2	211.3	210.3	210.6
152.5°	217.1	215.2	215.2	216.1	217.0	216.9	217.0	216.1	215.2	215.2	217.1
155°	228.0	224.5	222.6	221.9	221.9	221.6	221.9	221.9	222.6	224.5	228.0
157.5°	240.1	235.1	232.2	230.7	230.2	229.5	230.2	230.7	232.2	235.1	240.1
160°	248.3	242.9	240.0	237.4	236.4	235.4	236.4	237.4	240.0	242.9	248.3
162.5°	256.1	250.8	247.7	245.4	244.4	242.9	244.4	245.4	247.7	250.8	256.1
165°	268.6	263.1	259.6	257.7	256.4	255.1	256.4	257.7	259.6	263.1	268.6
167.5°	281.2	275.2	272.9	270.7	269.5	267.1	269.5	270.7	272.9	275.2	281.2
170°	288.9	283.4	282.1	280.2	278.0	275.4	278.0	280.2	282.1	283.4	288.9
172.5°	295.6	291.9	290.6	288.7	288.0	285.9	288.0	288.7	290.6	291.9	295.6
175°	305.3	302.4	302.4	302.1	301.1	299.2	301.1	302.1	302.4	302.4	305.3
177.5°	313.5	311.9	312.9	312.9	312.7	310.9	312.7	312.9	312.9	311.9	313.5
180°	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9



TEST NUMBER: P1428512

CATALOG NUMBER: SQ2W-WBM-K-025U-125D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	3348.5	3348.5	3348.5	3348.5
2.5°	3347.2	3357.2	3361.2	3365.2
5°	3344.8	3356.2	3361.2	3366.2
7.5°	3350.0	3358.4	3360.5	3362.6
10°	3351.7	3362.8	3362.1	3361.3
12.5°	3356.9	3371.8	3365.9	3360.1
15°	3354.4	3374.5	3363.1	3351.7
17.5°	3315.9	3343.2	3329.6	3316.1
20°	3270.9	3303.4	3289.8	3276.3
22.5°	3208.0	3242.7	3228.0	3213.3
25°	3081.5	3117.7	3106.3	3094.9
27.5°	2914.5	2949.5	2943.2	2936.9
30°	2783.5	2811.6	2808.8	2805.9
32.5°	2631.5	2656.3	2653.4	2650.6
35°	2368.2	2384.1	2385.5	2387.0
37.5°	2049.4	2061.3	2059.3	2057.3
40°	1823.0	1832.8	1831.4	1830.0
42.5°	1586.7	1595.4	1574.0	1552.6
45°	1202.3	1186.1	1121.2	1056.2
47.5°	792.9	744.3	670.4	596.5
50°	537.8	475.5	425.6	375.6
52.5°	375.9	317.3	291.9	266.5
55°	212.4	183.9	174.6	165.3
57.5°	130.0	117.4	107.8	98.2
60°	93.6	83.1	75.3	67.4
62.5°	73.1	65.0	61.7	58.4
65°	53.5	52.8	52.1	51.4
67.5°	46.4	46.7	46.0	45.3
70°	41.7	41.6	40.8	40.1
72.5°	37.5	37.7	37.0	36.3
75°	30.5	30.5	30.5	30.5
77.5°	24.2	24.5	23.8	23.1
80°	20.3	20.7	20.0	19.3
82.5°	15.6	15.7	15.6	15.4
85°	9.1	9.6	9.6	9.6
87.5°	4.6	4.4	3.6	2.8
90°	5.8	3.5	2.3	1.0
92.5°	12.5	8.7	6.1	3.5
95°	25.1	20.0	14.2	10.0
97.5°	40.0	31.7	26.0	19.1
100°	48.0	39.9	34.5	27.1
102.5°	56.8	50.0	42.5	35.0
105°	72.5	64.1	55.4	47.0
107.5°	87.0	77.8	67.4	59.8
110°	96.3	86.3	75.4	68.6



TEST NUMBER: P1428512

CATALOG NUMBER: SQ2W-WBM-K-025U-125D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	105.3	95.1	83.9	77.1
115°	117.6	106.3	96.0	90.2
117.5°	129.3	117.8	106.9	102.3
120°	136.6	125.0	114.3	110.8
122.5°	142.5	131.2	121.3	119.8
125°	151.4	139.8	131.4	133.3
127.5°	158.6	148.0	142.7	147.0
130°	163.0	153.6	150.4	156.5
132.5°	166.8	159.6	158.1	166.6
135°	172.6	168.5	169.7	181.3
137.5°	179.5	177.9	182.2	196.9
140°	183.9	184.9	191.0	207.4
142.5°	189.8	192.1	200.0	217.5
145°	199.0	203.9	214.2	231.6
147.5°	209.5	215.7	228.5	246.3
150°	216.4	224.5	238.0	255.1
152.5°	224.4	232.7	246.3	263.6
155°	236.7	246.1	260.2	275.1
157.5°	249.3	258.8	272.4	285.3
160°	257.0	267.3	279.6	291.5
162.5°	265.8	275.3	286.0	296.6
165°	278.6	286.3	295.0	304.0
167.5°	289.4	295.8	302.6	309.7
170°	296.3	301.5	307.3	312.7
172.5°	302.2	306.4	310.6	315.3
175°	310.2	312.4	315.0	317.9
177.5°	316.3	317.1	317.8	319.1
180°	318.9	318.9	318.9	318.9



TEST NUMBER: P1428512
 CATALOG NUMBER: SQ2W-WBM-K-025U-125D-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	8.78	9.76	9.39	10.36	11.03	8.76	9.74	9.37	10.34	11.01
	3H	9.48	10.34	10.11	10.96	11.67	9.40	10.26	10.03	10.87	11.59
	4H	9.86	10.66	10.50	11.28	12.01	9.71	10.52	10.36	11.14	11.87
	6H	10.13	10.87	10.79	11.51	12.25	9.95	10.69	10.62	11.33	12.07
	8H	10.26	10.95	10.93	11.61	12.36	10.06	10.75	10.73	11.41	12.16
	12H	10.34	11.00	11.02	11.65	12.42	10.11	10.78	10.79	11.42	12.19
4H	2H	8.90	9.70	9.55	10.32	11.06	8.88	9.68	9.53	10.31	11.04
	3H	9.85	10.51	10.51	11.17	11.92	9.77	10.42	10.43	11.09	11.83
	4H	10.36	10.95	11.04	11.62	12.40	10.21	10.80	10.89	11.47	12.25
	6H	10.80	11.30	11.50	11.99	12.79	10.60	11.10	11.30	11.79	12.59
	8H	10.98	11.45	11.69	12.15	12.95	10.76	11.23	11.46	11.92	12.72
	12H	11.12	11.53	11.84	12.25	13.06	10.86	11.27	11.58	11.99	12.80
8H	4H	10.48	10.95	11.19	11.65	12.45	10.35	10.82	11.05	11.51	12.31
	6H	11.06	11.44	11.79	12.18	12.99	10.87	11.25	11.60	11.99	12.79
	8H	11.34	11.69	12.09	12.43	13.25	11.13	11.47	11.88	12.21	13.03
	12H	11.57	11.87	12.31	12.60	13.48	11.30	11.60	12.04	12.33	13.22
12H	4H	10.47	10.88	11.19	11.60	12.41	10.34	10.75	11.06	11.47	12.28
	6H	11.09	11.43	11.84	12.17	12.99	10.91	11.25	11.65	11.99	12.81
	8H	11.42	11.72	12.16	12.45	13.34	11.21	11.52	11.96	12.24	13.13