

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: P1428513

Luminaire Tested: SQ2W-WBM-K-025U-125D-L935-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1428513  
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-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 250 LUMENS PER FOOT  
Light Source: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

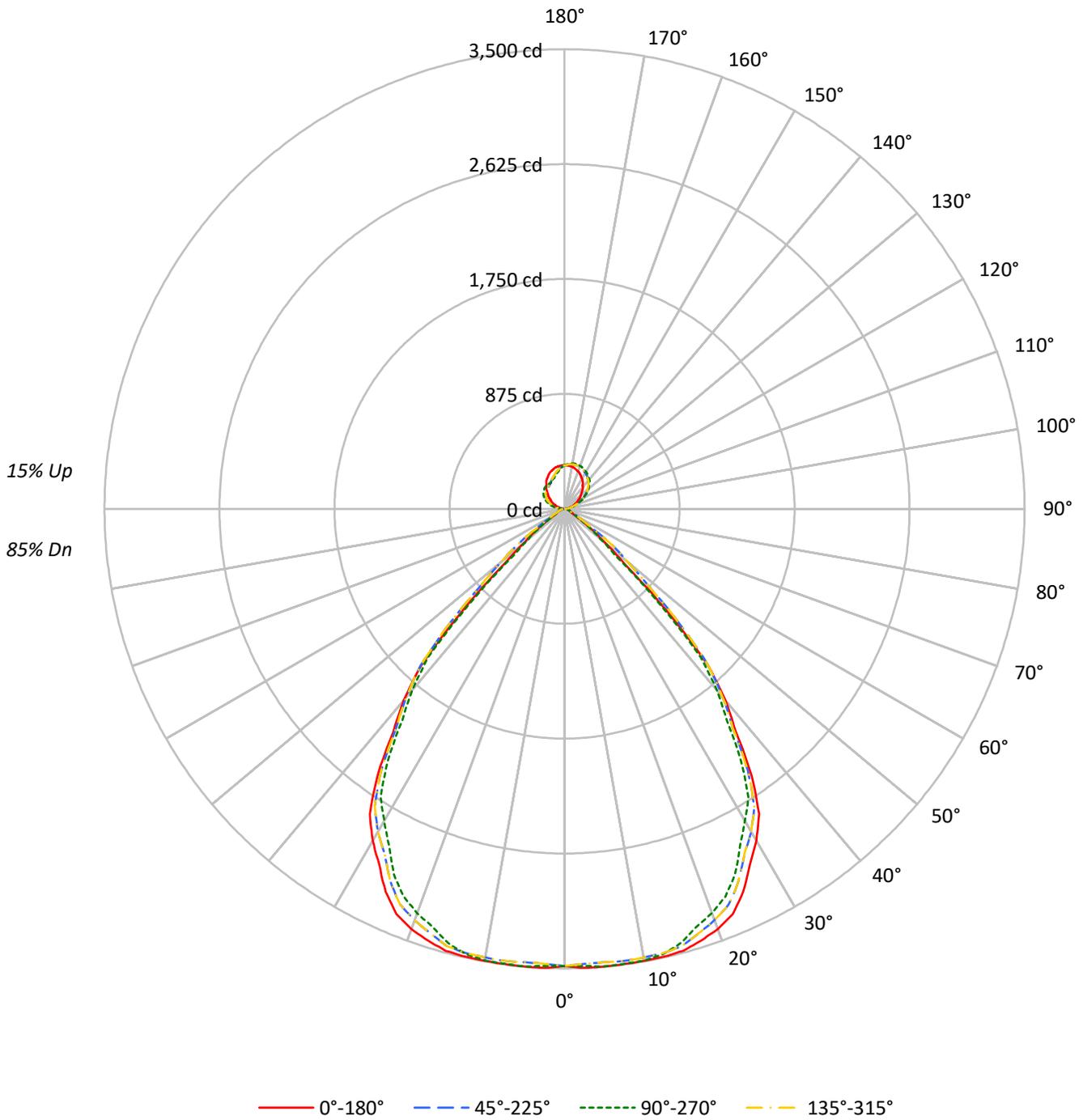
Lumens per Lamp: N/A  
Luminaire Lumens: 6415.2 lumens  
Efficiency: N/A  
Efficacy: 112.0 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.18 / 1.17  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: Semi-Direct

Input Watts (W): 57.3  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

TEST NUMBER: P1428513

CATALOG NUMBER: SQ2W-WBM-K-025U-125D-L935-UNV-STD-W-WM-4

### Luminous Intensity Polar Plot





TEST NUMBER: P1428513

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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	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°	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	5.2
10°-20°	973.3	15.2
20°-30°	1439.1	22.4
30°-40°	1489.0	23.2
40°-50°	895.6	14.0
50°-60°	214.1	3.3
60°-70°	58.6	0.9
70°-80°	32.7	0.5
80°-90°	11.7	0.2
90°-100°	26.4	0.4
100°-110°	76.9	1.2
110°-120°	125.6	2.0
120°-130°	159.3	2.5
130°-140°	170.5	2.7
140°-150°	159.2	2.5
150°-160°	131.0	2.0
160°-170°	87.9	1.4
170°-180°	31.2	0.5
0°-30°	2745.4	42.8
0°-40°	4234.4	66.0
0°-60°	5344.2	83.3
0°-90°	5447.2	84.9
90°-120°	228.9	3.6
90°-150°	717.9	11.2
90°-180°	968.0	15.1
0°-180°	6415.2	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°	1	7	1	14	1	1
95°	10	8	10	45	10	13
105°	49	78	49	108	49	52
115°	94	130	94	160	94	92
125°	139	206	139	196	139	124
135°	188	270	188	217	188	146
145°	241	311	241	222	241	151
155°	286	338	286	230	286	131
165°	316	352	316	265	316	89
175°	330	345	330	311	330	31
180°	332	332	332	332	332	



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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°	2.9	3.7	4.7	4.6	4.2	4.0	4.0	4.1	4.1	4.1	4.1
90°	1.0	2.3	4.0	5.4	6.4	6.7	6.7	7.0	7.4	7.4	7.4
92.5°	3.7	5.8	5.9	5.9	7.2	7.8	8.3	8.4	8.7	8.7	8.7
95°	10.4	11.4	17.1	16.7	11.4	9.0	7.7	7.7	7.7	7.7	7.7
97.5°	19.8	21.3	22.2	29.8	31.5	30.4	24.8	20.8	18.6	17.6	18.6
100°	28.1	28.8	30.8	31.1	39.5	47.6	43.5	38.5	36.8	35.8	36.8
102.5°	36.4	36.8	39.9	41.3	43.3	47.8	61.8	60.2	59.1	58.9	59.1
105°	48.9	49.2	54.9	57.6	58.9	58.9	58.6	65.3	76.0	78.4	76.0
107.5°	62.2	63.8	70.5	77.6	79.2	79.6	77.8	76.8	76.4	76.7	76.4
110°	71.3	73.7	81.7	90.8	93.1	93.8	93.1	92.1	91.4	91.4	91.4



TEST NUMBER: P1428513

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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	80.2	83.6	92.7	103.1	107.0	109.0	107.6	106.8	106.2	106.7	106.2
115°	93.8	98.8	110.8	121.6	129.6	130.6	130.3	130.3	129.9	129.9	129.9
117.5°	106.4	114.4	127.9	140.4	149.7	152.4	153.7	153.3	152.9	153.6	152.9
120°	115.2	124.6	140.0	154.0	163.1	167.1	168.4	167.8	168.4	167.8	168.4
122.5°	124.6	136.1	151.2	165.8	176.5	181.0	182.6	182.8	182.9	182.5	182.9
125°	138.6	152.7	170.5	185.5	196.6	201.9	203.3	203.6	204.3	206.0	204.3
127.5°	152.8	168.8	188.3	202.8	214.1	220.6	222.7	223.4	224.8	225.6	224.8
130°	162.8	180.8	200.6	214.3	225.4	232.4	236.1	237.1	238.8	238.4	238.8
132.5°	173.2	192.1	212.1	226.4	236.6	244.2	247.3	250.2	250.8	251.3	250.8
135°	188.5	209.0	229.1	243.1	252.8	260.2	264.2	266.9	268.6	269.6	268.6
137.5°	204.7	226.2	245.5	258.1	267.8	274.2	278.8	281.6	283.3	284.1	283.3
140°	215.7	236.4	255.2	268.2	276.9	283.3	287.3	290.7	292.7	292.7	292.7
142.5°	226.1	246.6	264.8	277.9	285.5	291.3	295.6	298.2	300.5	300.5	300.5
145°	240.8	261.2	277.9	291.0	297.4	302.7	307.4	309.4	310.8	310.8	310.8
147.5°	256.1	274.2	289.5	302.0	307.4	313.6	317.3	318.9	320.6	319.9	320.6
150°	265.2	282.0	296.7	308.4	313.8	319.8	323.5	324.8	326.5	325.5	326.5
152.5°	274.1	290.0	303.4	314.3	318.9	324.9	329.1	330.5	331.6	330.9	331.6
155°	286.0	300.1	312.4	322.5	326.5	332.2	336.2	337.9	339.2	337.6	339.2
157.5°	296.6	308.8	319.5	328.8	333.1	338.0	341.7	343.8	345.1	344.4	345.1
160°	303.1	314.1	323.8	332.5	336.6	340.9	344.9	347.3	348.6	347.6	348.6
162.5°	308.4	318.4	327.6	335.5	339.0	342.8	347.6	349.7	351.0	349.7	351.0
165°	316.1	324.2	332.2	338.9	341.9	344.9	349.9	352.3	353.3	352.0	353.3
167.5°	322.0	328.1	334.6	340.4	342.6	345.5	350.6	352.5	353.8	352.1	353.8
170°	325.2	330.5	336.2	340.9	342.6	345.3	350.3	352.0	353.0	351.3	353.0
172.5°	327.8	331.9	336.5	340.6	341.5	343.7	348.4	350.1	350.8	349.4	350.8
175°	330.5	332.9	336.2	338.9	338.6	339.9	343.9	345.3	346.6	344.6	346.6
177.5°	331.8	332.9	333.9	335.5	334.5	334.5	337.4	338.2	338.5	337.4	338.5
180°	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5



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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°	4.1	4.0	4.0	4.2	4.6	4.7	3.7	2.9	3.7	4.6	4.8
90°	7.0	6.7	6.7	6.4	5.4	4.0	2.3	1.0	2.3	3.7	6.0
92.5°	8.4	8.3	7.8	7.2	5.9	5.9	5.8	3.7	6.4	9.0	13.0
95°	7.7	7.7	9.0	11.4	16.7	17.1	11.4	10.4	14.7	20.8	26.1
97.5°	20.8	24.8	30.4	31.5	29.8	22.2	21.3	19.8	27.0	33.0	41.6
100°	38.5	43.5	47.6	39.5	31.1	30.8	28.8	28.1	35.8	41.5	49.9
102.5°	60.2	61.8	47.8	43.3	41.3	39.9	36.8	36.4	44.1	52.0	59.0
105°	65.3	58.6	58.9	58.9	57.6	54.9	49.2	48.9	57.6	66.6	75.3
107.5°	76.8	77.8	79.6	79.2	77.6	70.5	63.8	62.2	70.1	80.9	90.5
110°	92.1	93.1	93.8	93.1	90.8	81.7	73.7	71.3	78.4	89.7	100.1



TEST NUMBER: P1428513

CATALOG NUMBER: SQ2W-WBM-K-025U-125D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	106.8	107.6	109.0	107.0	103.1	92.7	83.6	80.2	87.2	98.9	109.5
115°	130.3	130.3	130.6	129.6	121.6	110.8	98.8	93.8	99.8	110.5	122.2
117.5°	153.3	153.7	152.4	149.7	140.4	127.9	114.4	106.4	111.1	122.4	134.5
120°	167.8	168.4	167.1	163.1	154.0	140.0	124.6	115.2	118.9	129.9	142.0
122.5°	182.8	182.6	181.0	176.5	165.8	151.2	136.1	124.6	126.1	136.4	148.2
125°	203.6	203.3	201.9	196.6	185.5	170.5	152.7	138.6	136.6	145.3	157.4
127.5°	223.4	222.7	220.6	214.1	202.8	188.3	168.8	152.8	148.4	153.8	164.9
130°	237.1	236.1	232.4	225.4	214.3	200.6	180.8	162.8	156.4	159.7	169.4
132.5°	250.2	247.3	244.2	236.6	226.4	212.1	192.1	173.2	164.4	165.9	173.5
135°	266.9	264.2	260.2	252.8	243.1	229.1	209.0	188.5	176.5	175.1	179.5
137.5°	281.6	278.8	274.2	267.8	258.1	245.5	226.2	204.7	189.5	185.0	186.7
140°	290.7	287.3	283.3	276.9	268.2	255.2	236.4	215.7	198.6	192.2	191.2
142.5°	298.2	295.6	291.3	285.5	277.9	264.8	246.6	226.1	208.0	199.7	197.4
145°	309.4	307.4	302.7	297.4	291.0	277.9	261.2	240.8	222.7	212.0	207.0
147.5°	318.9	317.3	313.6	307.4	302.0	289.5	274.2	256.1	237.6	224.3	217.8
150°	324.8	323.5	319.8	313.8	308.4	296.7	282.0	265.2	247.5	233.4	225.0
152.5°	330.5	329.1	324.9	318.9	314.3	303.4	290.0	274.1	256.0	242.0	233.3
155°	337.9	336.2	332.2	326.5	322.5	312.4	300.1	286.0	270.6	255.8	246.1
157.5°	343.8	341.7	338.0	333.1	328.8	319.5	308.8	296.6	283.2	269.1	259.2
160°	347.3	344.9	340.9	336.6	332.5	323.8	314.1	303.1	290.7	277.9	267.2
162.5°	349.7	347.6	342.8	339.0	335.5	327.6	318.4	308.4	297.4	286.3	276.3
165°	352.3	349.9	344.9	341.9	338.9	332.2	324.2	316.1	306.7	297.7	289.7
167.5°	352.5	350.6	345.5	342.6	340.4	334.6	328.1	322.0	314.7	307.6	300.9
170°	352.0	350.3	345.3	342.6	340.9	336.2	330.5	325.2	319.5	313.4	308.1
172.5°	350.1	348.4	343.7	341.5	340.6	336.5	331.9	327.8	323.0	318.5	314.3
175°	345.3	343.9	339.9	338.6	338.9	336.2	332.9	330.5	327.5	324.8	322.5
177.5°	338.2	337.4	334.5	334.5	335.5	333.9	332.9	331.8	330.5	329.7	328.9
180°	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5



TEST NUMBER: P1428513

CATALOG NUMBER: SQ2W-WBM-K-025U-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°	4.5	4.7	5.1	5.4	5.7	5.6	5.7	5.4	5.1	4.7	4.5
90°	7.7	10.0	12.4	13.7	15.1	14.4	15.1	13.7	12.4	10.0	7.7
92.5°	15.5	19.4	22.3	24.7	25.8	25.7	25.8	24.7	22.3	19.4	15.5
95°	31.1	35.8	40.5	43.9	45.9	45.2	45.9	43.9	40.5	35.8	31.1
97.5°	48.0	54.3	59.5	62.7	64.7	66.0	64.7	62.7	59.5	54.3	48.0
100°	59.3	65.3	71.3	75.0	78.4	79.7	78.4	75.0	71.3	65.3	59.3
102.5°	68.4	76.3	82.8	86.8	89.6	91.0	89.6	86.8	82.8	76.3	68.4
105°	83.4	91.8	98.8	103.8	106.8	107.8	106.8	103.8	98.8	91.8	83.4
107.5°	98.4	107.0	113.5	119.1	122.8	124.9	122.8	119.1	113.5	107.0	98.4
110°	110.2	117.2	124.2	129.3	132.9	134.3	132.9	129.3	124.2	117.2	110.2



TEST NUMBER: P1428513

CATALOG NUMBER: SQ2W-WBM-K-025U-125D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	120.1	127.9	135.0	140.0	144.2	146.1	144.2	140.0	135.0	127.9	120.1
115°	134.0	144.3	150.7	155.4	158.4	160.1	158.4	155.4	150.7	144.3	134.0
117.5°	145.5	156.3	163.3	166.9	168.3	169.5	168.3	166.9	163.3	156.3	145.5
120°	152.7	162.8	170.8	175.5	177.2	177.8	177.2	175.5	170.8	162.8	152.7
122.5°	159.4	168.9	176.7	182.4	185.2	185.9	185.2	182.4	176.7	168.9	159.4
125°	168.8	177.8	185.9	191.6	194.6	196.2	194.6	191.6	185.9	177.8	168.8
127.5°	176.9	186.7	194.1	199.3	202.2	203.5	202.2	199.3	194.1	186.7	176.9
130°	181.5	191.6	198.9	204.6	207.3	208.6	207.3	204.6	198.9	191.6	181.5
132.5°	185.0	195.6	203.2	208.4	211.3	212.6	211.3	208.4	203.2	195.6	185.0
135°	189.2	200.3	208.3	213.3	216.0	217.3	216.0	213.3	208.3	200.3	189.2
137.5°	192.9	202.9	211.3	216.6	219.0	219.9	219.0	216.6	211.3	202.9	192.9
140°	195.6	204.3	212.6	217.7	220.4	220.7	220.4	217.7	212.6	204.3	195.6
142.5°	199.1	205.9	213.2	218.2	220.9	221.5	220.9	218.2	213.2	205.9	199.1
145°	205.3	209.3	214.3	219.0	221.4	222.0	221.4	219.0	214.3	209.3	205.3
147.5°	213.1	214.4	217.0	220.1	222.4	222.8	222.4	220.1	217.0	214.4	213.1
150°	219.0	218.7	219.7	221.7	223.7	223.4	223.7	221.7	219.7	218.7	219.0
152.5°	225.7	223.8	223.7	224.6	225.6	225.5	225.6	224.6	223.7	223.8	225.7
155°	237.1	233.4	231.4	230.7	230.7	230.4	230.7	230.7	231.4	233.4	237.1
157.5°	249.6	244.5	241.4	239.8	239.4	238.6	239.4	239.8	241.4	244.5	249.6
160°	258.2	252.5	249.5	246.8	245.8	244.8	245.8	246.8	249.5	252.5	258.2
162.5°	266.2	260.8	257.5	255.1	254.1	252.6	254.1	255.1	257.5	260.8	266.2
165°	279.3	273.6	269.9	267.9	266.6	265.2	266.6	267.9	269.9	273.6	279.3
167.5°	292.3	286.1	283.7	281.4	280.2	277.7	280.2	281.4	283.7	286.1	292.3
170°	300.4	294.7	293.4	291.3	289.0	286.3	289.0	291.3	293.4	294.7	300.4
172.5°	307.4	303.5	302.2	300.2	299.4	297.3	299.4	300.2	302.2	303.5	307.4
175°	317.5	314.5	314.5	314.1	313.1	311.1	313.1	314.1	314.5	314.5	317.5
177.5°	325.9	324.3	325.4	325.4	325.1	323.2	325.1	325.4	325.4	324.3	325.9
180°	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5



TEST NUMBER: P1428513

CATALOG NUMBER: SQ2W-WBM-K-025U-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°	4.8	4.6	3.7	2.9
90°	6.0	3.7	2.3	1.0
92.5°	13.0	9.0	6.4	3.7
95°	26.1	20.8	14.7	10.4
97.5°	41.6	33.0	27.0	19.8
100°	49.9	41.5	35.8	28.1
102.5°	59.0	52.0	44.1	36.4
105°	75.3	66.6	57.6	48.9
107.5°	90.5	80.9	70.1	62.2
110°	100.1	89.7	78.4	71.3



TEST NUMBER: P1428513

CATALOG NUMBER: SQ2W-WBM-K-025U-125D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
112.5°	109.5	98.9	87.2	80.2
115°	122.2	110.5	99.8	93.8
117.5°	134.5	122.4	111.1	106.4
120°	142.0	129.9	118.9	115.2
122.5°	148.2	136.4	126.1	124.6
125°	157.4	145.3	136.6	138.6
127.5°	164.9	153.8	148.4	152.8
130°	169.4	159.7	156.4	162.8
132.5°	173.5	165.9	164.4	173.2
135°	179.5	175.1	176.5	188.5
137.5°	186.7	185.0	189.5	204.7
140°	191.2	192.2	198.6	215.7
142.5°	197.4	199.7	208.0	226.1
145°	207.0	212.0	222.7	240.8
147.5°	217.8	224.3	237.6	256.1
150°	225.0	233.4	247.5	265.2
152.5°	233.3	242.0	256.0	274.1
155°	246.1	255.8	270.6	286.0
157.5°	259.2	269.1	283.2	296.6
160°	267.2	277.9	290.7	303.1
162.5°	276.3	286.3	297.4	308.4
165°	289.7	297.7	306.7	316.1
167.5°	300.9	307.6	314.7	322.0
170°	308.1	313.4	319.5	325.2
172.5°	314.3	318.5	323.0	327.8
175°	322.5	324.8	327.5	330.5
177.5°	328.9	329.7	330.5	331.8
180°	331.5	331.5	331.5	331.5

TEST NUMBER: P1428513  
 CATALOG NUMBER: SQ2W-WBM-K-025U-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	8.91	9.89	9.53	10.49	11.16	8.90	9.88	9.51	10.47	11.15
	3H	9.62	10.48	10.24	11.09	11.81	9.53	10.40	10.16	11.01	11.73
	4H	9.99	10.79	10.64	11.42	12.15	9.85	10.65	10.50	11.28	12.01
	6H	10.27	11.00	10.93	11.64	12.38	10.09	10.83	10.75	11.47	12.21
	8H	10.39	11.09	11.06	11.74	12.49	10.19	10.89	10.87	11.54	12.29
	12H	10.47	11.14	11.15	11.78	12.55	10.25	10.91	10.92	11.56	12.33
4H	2H	9.03	9.83	9.68	10.46	11.19	9.02	9.82	9.67	10.44	11.18
	3H	9.99	10.64	10.65	11.31	12.05	9.90	10.56	10.56	11.22	11.97
	4H	10.50	11.08	11.17	11.75	12.53	10.35	10.94	11.03	11.61	12.39
	6H	10.93	11.43	11.63	12.13	12.92	10.73	11.23	11.43	11.93	12.73
	8H	11.12	11.59	11.82	12.28	13.08	10.90	11.36	11.60	12.06	12.86
	12H	11.25	11.66	11.97	12.38	13.19	10.99	11.41	11.71	12.13	12.93
8H	4H	10.62	11.09	11.32	11.78	12.58	10.48	10.95	11.19	11.65	12.45
	6H	11.19	11.58	11.93	12.31	13.12	11.00	11.38	11.73	12.12	12.93
	8H	11.48	11.82	12.23	12.56	13.38	11.26	11.60	12.01	12.35	13.17
	12H	11.70	12.00	12.44	12.73	13.62	11.44	11.74	12.18	12.46	13.35
12H	4H	10.60	11.02	11.32	11.74	12.54	10.48	10.89	11.20	11.61	12.42
	6H	11.22	11.56	11.97	12.31	13.13	11.04	11.38	11.79	12.13	12.95
	8H	11.55	11.86	12.30	12.58	13.47	11.35	11.65	12.09	12.38	13.26