

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: P1428370

Luminaire Tested: SQ2W-PW1-K-025U-125D-L940-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1428370  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/10/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ2W-PW1-K-025U-125D-L940-UNV-STD-W-WM-4  
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE  
DOWNLIGHT - PERCEIVE WAVES LENS  
UPLIGHT - ASYMMETRIC ROLL LENS  
DOWNLIGHT 1250 LUMENS PER FOOT  
UPLIGHT 250 LUMENS PER FOOT  
Light Source: 4000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

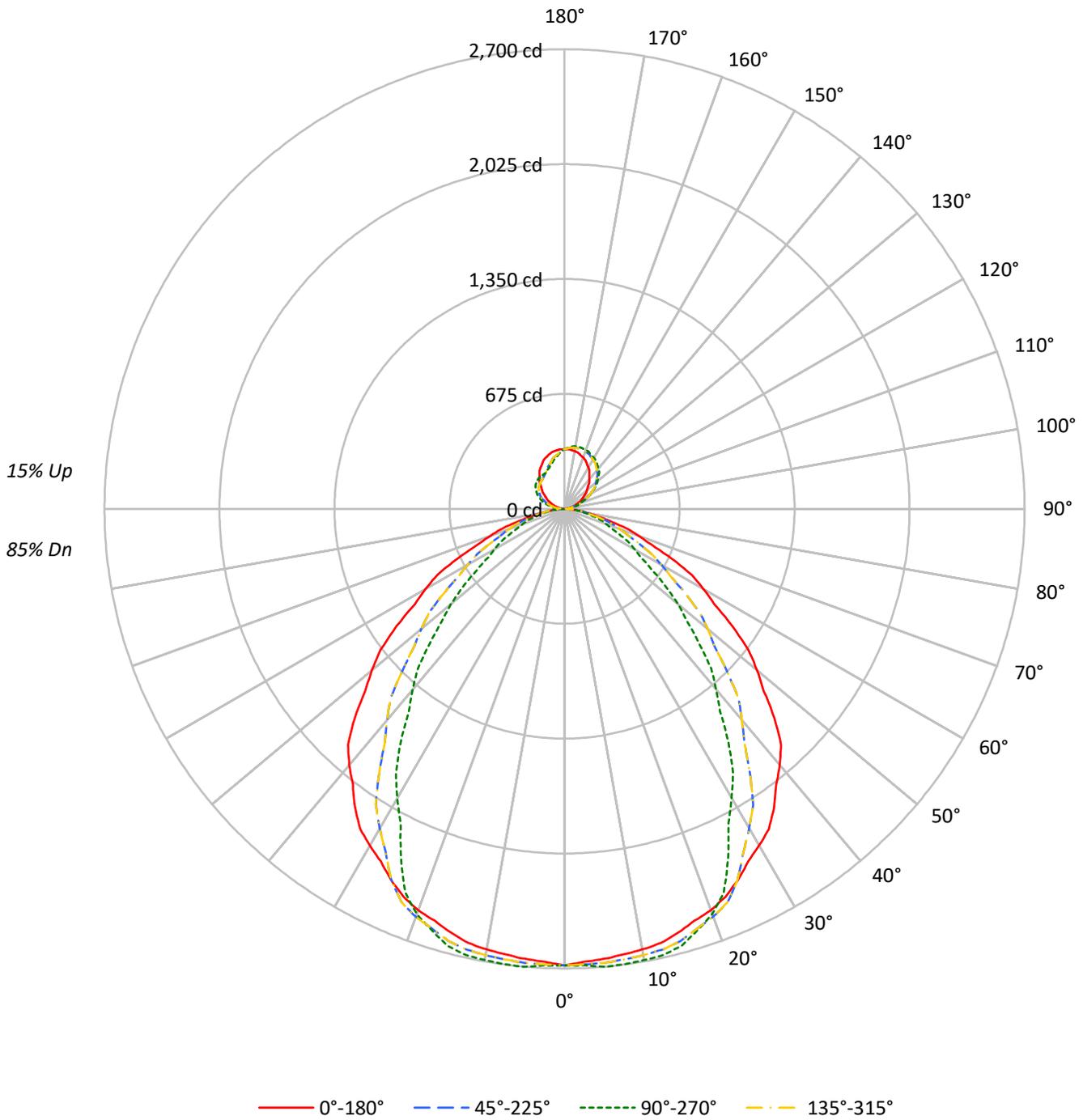
Lumens per Lamp: N/A  
Luminaire Lumens: 6977.3 lumens  
Efficiency: N/A  
Efficacy: 123.1 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 1.11 / 1.23  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: Semi-Direct

Input Watts (W): 56.7  
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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CATALOG NUMBER: SQ2W-PW1-K-025U-125D-L940-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	116	116	116	116	111	111	111	111	103	103	103	95	95	95	89	89	89	85				
1	107	103	99	95	103	99	96	93	92	89	87	86	84	82	80	78	77	74				
2	98	91	85	80	94	88	82	78	82	77	74	76	73	70	72	69	66	63				
3	90	81	73	68	86	78	71	66	73	68	63	69	64	60	64	61	57	55				
4	83	72	64	58	80	70	63	57	66	60	55	62	57	53	58	54	50	48				
5	77	65	57	51	74	63	56	50	59	53	48	56	51	46	53	48	45	42				
6	71	59	51	45	68	57	50	44	54	47	43	51	45	41	48	43	40	37				
7	66	54	46	40	64	52	45	39	49	43	38	47	41	37	44	39	36	34				
8	62	49	41	36	59	48	40	35	45	39	34	43	37	33	41	36	32	30				
9	58	45	38	32	56	44	37	32	42	36	31	40	34	30	38	33	29	27				
10	54	42	34	30	52	41	34	29	39	33	28	37	31	28	35	30	27	25				

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	43307	43307	43307	43307
5°	43017	43763	43017	43763
10°	43097	44143	43097	44143
15°	43085	44409	43085	44409
20°	43102	43540	43102	43540
25°	42869	40457	42869	40457
30°	42578	36576	42578	36576
35°	42245	33030	42245	33030
40°	41405	29183	41405	29183
45°	39780	25489	39780	25489
50°	37024	21818	37024	21818
55°	33869	17689	33869	17689
60°	30357	15261	30357	15261
65°	26544	13566	26544	13566
70°	21706	12302	21706	12302
75°	16893	11316	16893	11316
80°	12589	9977	12589	9977
85°	8521	5687	8521	5687

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 39780 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	255.4	3.7
10°-20°	740.1	10.6
20°-30°	1089.1	15.6
30°-40°	1190.8	17.1
40°-50°	1068.2	15.3
50°-60°	796.8	11.4
60°-70°	503.6	7.2
70°-80°	249.5	3.6
80°-90°	59.8	0.9
90°-100°	27.9	0.4
100°-110°	81.4	1.2
110°-120°	132.8	1.9
120°-130°	168.5	2.4
130°-140°	180.3	2.6
140°-150°	168.4	2.4
150°-160°	138.6	2.0
160°-170°	92.9	1.3
170°-180°	33.0	0.5
0°-30°	2084.5	29.9
0°-40°	3275.3	46.9
0°-60°	5140.4	73.7
0°-90°	5953.3	85.3
90°-120°	242.1	3.5
90°-150°	759.4	10.9
90°-180°	1024.0	14.7
0°-180°	6977.3	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2682	2682	2682	2682	2682	
5°	2654	2700	2654	2700	2654	253
15°	2578	2657	2578	2657	2578	728
25°	2406	2271	2406	2271	2406	1108
35°	2143	1676	2143	1676	2143	1337
45°	1742	1116	1742	1116	1742	1336
55°	1203	628	1203	628	1203	1074
65°	695	355	695	355	695	689
75°	271	181	271	181	271	298
85°	46	31	46	31	46	58
90°	1	8	1	15	1	3
95°	11	8	11	48	11	13
105°	52	83	52	114	52	55
115°	99	137	99	169	99	98
125°	147	218	147	208	147	131
135°	199	285	199	230	199	154
145°	255	329	255	235	255	159
155°	302	357	302	244	302	139
165°	334	372	334	280	334	94
175°	350	364	350	329	350	33
180°	351	351	351	351	351	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	2682.3	2682.3	2682.3	2682.3	2682.3	2682.3	2682.3	2682.3	2682.3	2682.3	2682.3
2.5°	2663.9	2679.4	2694.8	2691.2	2681.2	2676.6	2677.5	2678.9	2681.6	2684.3	2681.6
5°	2654.2	2673.5	2692.8	2690.0	2679.7	2675.2	2676.3	2679.7	2690.0	2700.2	2690.0
7.5°	2640.9	2660.4	2680.0	2679.1	2671.3	2669.4	2673.3	2678.7	2688.7	2698.7	2688.7
10°	2628.7	2649.1	2669.5	2669.5	2662.7	2662.1	2667.8	2674.4	2683.4	2692.5	2683.4
12.5°	2612.3	2633.7	2655.0	2656.6	2651.6	2652.4	2659.0	2666.2	2675.3	2684.3	2675.3
15°	2577.6	2600.3	2623.0	2627.8	2626.7	2630.1	2638.0	2645.4	2651.1	2656.8	2651.1
17.5°	2537.2	2559.9	2582.6	2587.1	2585.5	2585.7	2587.8	2590.0	2592.7	2595.4	2592.7
20°	2508.6	2531.3	2554.0	2557.1	2553.7	2548.0	2540.1	2534.1	2534.1	2534.1	2534.1
22.5°	2467.7	2492.2	2516.8	2516.9	2509.0	2494.2	2472.7	2454.7	2447.4	2440.1	2447.4
25°	2406.4	2430.3	2454.1	2443.0	2420.3	2386.8	2342.5	2305.1	2288.0	2271.0	2288.0
27.5°	2334.9	2354.2	2373.5	2344.6	2299.6	2245.7	2182.8	2129.7	2106.1	2082.5	2106.1
30°	2283.8	2298.5	2313.3	2267.6	2201.8	2134.2	2064.9	2007.3	1984.6	1961.9	1984.6
32.5°	2230.7	2236.3	2242.0	2181.8	2099.6	2022.5	1950.5	1890.4	1865.9	1841.3	1865.9
35°	2143.3	2133.1	2122.9	2042.8	1939.5	1851.5	1778.8	1718.9	1697.4	1675.8	1697.4
37.5°	2040.1	2009.7	1979.2	1889.0	1778.9	1685.8	1609.7	1546.7	1522.9	1499.0	1522.9
40°	1964.5	1921.3	1878.2	1781.4	1666.7	1571.3	1495.3	1432.3	1408.4	1384.6	1408.4
42.5°	1880.7	1826.6	1772.6	1673.1	1558.4	1463.0	1387.0	1323.7	1299.0	1274.2	1299.0
45°	1742.2	1678.6	1615.1	1511.5	1394.5	1299.1	1225.3	1164.0	1140.2	1116.3	1140.2
47.5°	1586.4	1523.3	1460.1	1356.8	1240.1	1146.0	1074.5	1015.7	995.3	974.8	995.3
50°	1474.0	1412.7	1351.4	1252.6	1141.3	1049.9	978.4	918.5	893.5	868.6	893.5
52.5°	1359.5	1304.6	1249.6	1154.5	1046.0	955.0	881.7	818.1	784.1	750.0	784.1
55°	1203.2	1151.0	1098.8	1009.1	906.9	814.9	733.2	667.0	647.7	628.4	647.7
57.5°	1042.3	997.1	951.9	871.3	778.9	695.5	621.3	561.6	545.7	529.8	545.7
60°	940.1	900.3	860.6	783.4	693.7	617.6	555.2	504.4	488.5	472.6	488.5
62.5°	842.0	806.8	771.6	697.6	610.6	542.3	492.5	451.9	438.8	425.6	438.8
65°	694.8	668.7	642.6	581.6	508.9	452.2	411.3	377.8	366.4	355.1	366.4
67.5°	551.8	537.3	522.7	477.0	420.9	375.0	339.1	310.3	302.8	295.3	302.8
70°	459.8	455.3	450.7	413.0	364.2	325.0	295.5	271.9	266.2	260.6	266.2
72.5°	380.1	381.9	383.8	352.4	309.9	277.1	253.9	235.6	231.7	227.9	231.7
75°	270.8	279.9	289.0	268.2	237.6	214.3	198.4	185.9	183.6	181.4	183.6
77.5°	184.4	198.1	211.7	198.2	175.8	158.6	146.8	137.5	135.7	133.9	135.7
80°	135.4	149.0	162.6	153.3	136.2	123.2	114.1	107.3	107.3	107.3	107.3
82.5°	94.5	105.4	116.3	109.7	97.2	88.7	84.1	80.7	80.7	80.7	80.7
85°	46.0	51.7	57.3	55.3	50.8	45.1	38.3	32.9	31.8	30.7	31.8
87.5°	12.5	15.5	18.6	16.1	11.8	9.1	8.2	7.6	7.7	7.7	7.7
90°	1.1	2.5	4.3	5.7	6.7	7.1	7.1	7.4	7.8	7.8	7.8
92.5°	3.9	6.2	6.2	6.2	7.6	8.2	8.8	8.9	9.2	9.2	9.2
95°	11.0	12.0	18.1	17.7	12.0	9.6	8.1	8.1	8.1	8.1	8.1
97.5°	21.0	22.5	23.5	31.5	33.3	32.2	26.2	22.0	19.7	18.6	19.7
100°	29.8	30.5	32.6	32.9	41.8	50.3	46.0	40.7	39.0	37.9	39.0
102.5°	38.5	39.0	42.2	43.7	45.8	50.6	65.3	63.7	62.5	62.3	62.5
105°	51.7	52.1	58.1	60.9	62.3	62.3	62.0	69.1	80.4	82.9	80.4
107.5°	65.8	67.4	74.5	82.1	83.7	84.2	82.3	81.3	80.8	81.1	80.8
110°	75.4	77.9	86.4	96.0	98.5	99.2	98.5	97.4	96.7	96.7	96.7



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	84.8	88.4	98.0	109.0	113.2	115.3	113.8	113.0	112.3	112.9	112.3
115°	99.2	104.5	117.2	128.6	137.1	138.1	137.8	137.8	137.4	137.4	137.4
117.5°	112.5	121.0	135.3	148.5	158.3	161.2	162.6	162.2	161.7	162.4	161.7
120°	121.9	131.8	148.1	162.9	172.5	176.8	178.2	177.5	178.2	177.5	178.2
122.5°	131.8	144.0	160.0	175.4	186.7	191.5	193.2	193.3	193.5	193.1	193.5
125°	146.6	161.5	180.3	196.2	207.9	213.6	215.0	215.4	216.1	217.8	216.1
127.5°	161.7	178.5	199.1	214.5	226.5	233.4	235.6	236.3	237.8	238.6	237.8
130°	172.2	191.3	212.2	226.7	238.4	245.8	249.7	250.8	252.6	252.2	252.6
132.5°	183.2	203.2	224.4	239.5	250.3	258.3	261.6	264.7	265.3	265.8	265.3
135°	199.4	221.0	242.3	257.2	267.4	275.2	279.5	282.3	284.1	285.1	284.1
137.5°	216.5	239.3	259.7	273.0	283.3	290.0	294.9	297.8	299.7	300.5	299.7
140°	228.1	250.1	269.9	283.7	292.9	299.7	303.9	307.5	309.6	309.6	309.6
142.5°	239.2	260.9	280.1	293.9	302.0	308.2	312.7	315.4	317.8	317.8	317.8
145°	254.7	276.3	294.0	307.8	314.6	320.2	325.2	327.3	328.7	328.7	328.7
147.5°	270.9	290.0	306.2	319.4	325.1	331.8	335.7	337.4	339.1	338.4	339.1
150°	280.5	298.3	313.8	326.2	331.9	338.3	342.2	343.6	345.4	344.3	345.4
152.5°	289.9	306.8	320.9	332.5	337.3	343.7	348.1	349.5	350.8	350.0	350.8
155°	302.5	317.4	330.5	341.1	345.4	351.4	355.6	357.4	358.8	357.1	358.8
157.5°	313.8	326.6	338.0	347.8	352.3	357.5	361.4	363.6	365.1	364.3	365.1
160°	320.6	332.3	342.5	351.7	356.0	360.6	364.9	367.3	368.7	367.7	368.7
162.5°	326.2	336.8	346.5	354.9	358.5	362.6	367.7	369.9	371.3	370.0	371.3
165°	334.4	342.9	351.4	358.5	361.7	364.9	370.2	372.6	373.7	372.3	373.7
167.5°	340.6	347.1	353.9	360.0	362.4	365.5	370.8	372.9	374.2	372.4	374.2
170°	344.0	349.6	355.6	360.6	362.4	365.2	370.5	372.3	373.4	371.6	373.4
172.5°	346.8	351.0	355.9	360.3	361.2	363.5	368.5	370.3	371.1	369.6	371.1
175°	349.6	352.1	355.6	358.5	358.1	359.5	363.8	365.2	366.6	364.5	366.6
177.5°	351.0	352.1	353.2	354.9	353.8	353.8	356.9	357.8	358.0	356.9	358.0
180°	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7



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**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	2682.3	2682.3	2682.3	2682.3	2682.3	2682.3	2682.3	2682.3	2682.3	2682.3	2682.3
2.5°	2678.9	2677.5	2676.6	2681.2	2691.2	2694.8	2679.4	2663.9	2679.4	2694.8	2691.2
5°	2679.7	2676.3	2675.2	2679.7	2690.0	2692.8	2673.5	2654.2	2673.5	2692.8	2690.0
7.5°	2678.7	2673.3	2669.4	2671.3	2679.1	2680.0	2660.4	2640.9	2660.4	2680.0	2679.1
10°	2674.4	2667.8	2662.1	2662.7	2669.5	2669.5	2649.1	2628.7	2649.1	2669.5	2669.5
12.5°	2666.2	2659.0	2652.4	2651.6	2656.6	2655.0	2633.7	2612.3	2633.7	2655.0	2656.6
15°	2645.4	2638.0	2630.1	2626.7	2627.8	2623.0	2600.3	2577.6	2600.3	2623.0	2627.8
17.5°	2590.0	2587.8	2585.7	2585.5	2587.1	2582.6	2559.9	2537.2	2559.9	2582.6	2587.1
20°	2534.1	2540.1	2548.0	2553.7	2557.1	2554.0	2531.3	2508.6	2531.3	2554.0	2557.1
22.5°	2454.7	2472.7	2494.2	2509.0	2516.9	2516.8	2492.2	2467.7	2492.2	2516.8	2516.9
25°	2305.1	2342.5	2386.8	2420.3	2443.0	2454.1	2430.3	2406.4	2430.3	2454.1	2443.0
27.5°	2129.7	2182.8	2245.7	2299.6	2344.6	2373.5	2354.2	2334.9	2354.2	2373.5	2344.6
30°	2007.3	2064.9	2134.2	2201.8	2267.6	2313.3	2298.5	2283.8	2298.5	2313.3	2267.6
32.5°	1890.4	1950.5	2022.5	2099.6	2181.8	2242.0	2236.3	2230.7	2236.3	2242.0	2181.8
35°	1718.9	1778.8	1851.5	1939.5	2042.8	2122.9	2133.1	2143.3	2133.1	2122.9	2042.8
37.5°	1546.7	1609.7	1685.8	1778.9	1889.0	1979.2	2009.7	2040.1	2009.7	1979.2	1889.0
40°	1432.3	1495.3	1571.3	1666.7	1781.4	1878.2	1921.3	1964.5	1921.3	1878.2	1781.4
42.5°	1323.7	1387.0	1463.0	1558.4	1673.1	1772.6	1826.6	1880.7	1826.6	1772.6	1673.1
45°	1164.0	1225.3	1299.1	1394.5	1511.5	1615.1	1678.6	1742.2	1678.6	1615.1	1511.5
47.5°	1015.7	1074.5	1146.0	1240.1	1356.8	1460.1	1523.3	1586.4	1523.3	1460.1	1356.8
50°	918.5	978.4	1049.9	1141.3	1252.6	1351.4	1412.7	1474.0	1412.7	1351.4	1252.6
52.5°	818.1	881.7	955.0	1046.0	1154.5	1249.6	1304.6	1359.5	1304.6	1249.6	1154.5
55°	667.0	733.2	814.9	906.9	1009.1	1098.8	1151.0	1203.2	1151.0	1098.8	1009.1
57.5°	561.6	621.3	695.5	778.9	871.3	951.9	997.1	1042.3	997.1	951.9	871.3
60°	504.4	555.2	617.6	693.7	783.4	860.6	900.3	940.1	900.3	860.6	783.4
62.5°	451.9	492.5	542.3	610.6	697.6	771.6	806.8	842.0	806.8	771.6	697.6
65°	377.8	411.3	452.2	508.9	581.6	642.6	668.7	694.8	668.7	642.6	581.6
67.5°	310.3	339.1	375.0	420.9	477.0	522.7	537.3	551.8	537.3	522.7	477.0
70°	271.9	295.5	325.0	364.2	413.0	450.7	455.3	459.8	455.3	450.7	413.0
72.5°	235.6	253.9	277.1	309.9	352.4	383.8	381.9	380.1	381.9	383.8	352.4
75°	185.9	198.4	214.3	237.6	268.2	289.0	279.9	270.8	279.9	289.0	268.2
77.5°	137.5	146.8	158.6	175.8	198.2	211.7	198.1	184.4	198.1	211.7	198.2
80°	107.3	114.1	123.2	136.2	153.3	162.6	149.0	135.4	149.0	162.6	153.3
82.5°	80.7	84.1	88.7	97.2	109.7	116.3	105.4	94.5	105.4	116.3	109.7
85°	32.9	38.3	45.1	50.8	55.3	57.3	51.7	46.0	51.7	57.3	55.3
87.5°	7.6	8.2	9.1	11.8	16.1	18.6	15.5	12.5	15.5	18.5	16.3
90°	7.4	7.1	7.1	6.7	5.7	4.3	2.5	1.1	2.5	3.9	6.4
92.5°	8.9	8.8	8.2	7.6	6.2	6.2	6.2	3.9	6.7	9.6	13.7
95°	8.1	8.1	9.6	12.0	17.7	18.1	12.0	11.0	15.6	22.0	27.6
97.5°	22.0	26.2	32.2	33.3	31.5	23.5	22.5	21.0	28.6	34.9	44.0
100°	40.7	46.0	50.3	41.8	32.9	32.6	30.5	29.8	37.9	43.9	52.8
102.5°	63.7	65.3	50.6	45.8	43.7	42.2	39.0	38.5	46.7	55.0	62.4
105°	69.1	62.0	62.3	62.3	60.9	58.1	52.1	51.7	60.9	70.5	79.7
107.5°	81.3	82.3	84.2	83.7	82.1	74.5	67.4	65.8	74.1	85.6	95.7
110°	97.4	98.5	99.2	98.5	96.0	86.4	77.9	75.4	82.9	94.9	105.9



TEST NUMBER: P1428370

CATALOG NUMBER: SQ2W-PW1-K-025U-125D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	113.0	113.8	115.3	113.2	109.0	98.0	88.4	84.8	92.2	104.6	115.8
115°	137.8	137.8	138.1	137.1	128.6	117.2	104.5	99.2	105.6	116.9	129.3
117.5°	162.2	162.6	161.2	158.3	148.5	135.3	121.0	112.5	117.5	129.5	142.3
120°	177.5	178.2	176.8	172.5	162.9	148.1	131.8	121.9	125.7	137.4	150.2
122.5°	193.3	193.2	191.5	186.7	175.4	160.0	144.0	131.8	133.4	144.2	156.7
125°	215.4	215.0	213.6	207.9	196.2	180.3	161.5	146.6	144.5	153.7	166.5
127.5°	236.3	235.6	233.4	226.5	214.5	199.1	178.5	161.7	156.9	162.7	174.4
130°	250.8	249.7	245.8	238.4	226.7	212.2	191.3	172.2	165.4	169.0	179.2
132.5°	264.7	261.6	258.3	250.3	239.5	224.4	203.2	183.2	173.9	175.5	183.5
135°	282.3	279.5	275.2	267.4	257.2	242.3	221.0	199.4	186.7	185.3	189.9
137.5°	297.8	294.9	290.0	283.3	273.0	259.7	239.3	216.5	200.4	195.7	197.4
140°	307.5	303.9	299.7	292.9	283.7	269.9	250.1	228.1	210.1	203.3	202.3
142.5°	315.4	312.7	308.2	302.0	293.9	280.1	260.9	239.2	220.0	211.3	208.8
145°	327.3	325.2	320.2	314.6	307.8	294.0	276.3	254.7	235.6	224.2	218.9
147.5°	337.4	335.7	331.8	325.1	319.4	306.2	290.0	270.9	251.3	237.3	230.4
150°	343.6	342.2	338.3	331.9	326.2	313.8	298.3	280.5	261.8	246.9	238.0
152.5°	349.5	348.1	343.7	337.3	332.5	320.9	306.8	289.9	270.8	256.0	246.8
155°	357.4	355.6	351.4	345.4	341.1	330.5	317.4	302.5	286.2	270.6	260.4
157.5°	363.6	361.4	357.5	352.3	347.8	338.0	326.6	313.8	299.5	284.7	274.2
160°	367.3	364.9	360.6	356.0	351.7	342.5	332.3	320.6	307.5	294.0	282.7
162.5°	369.9	367.7	362.6	358.5	354.9	346.5	336.8	326.2	314.6	302.8	292.3
165°	372.6	370.2	364.9	361.7	358.5	351.4	342.9	334.4	324.5	314.9	306.4
167.5°	372.9	370.8	365.5	362.4	360.0	353.9	347.1	340.6	332.8	325.3	318.2
170°	372.3	370.5	365.2	362.4	360.6	355.6	349.6	344.0	337.9	331.6	325.9
172.5°	370.3	368.5	363.5	361.2	360.3	355.9	351.0	346.8	341.6	336.9	332.4
175°	365.2	363.8	359.5	358.1	358.5	355.6	352.1	349.6	346.4	343.6	341.1
177.5°	357.8	356.9	353.8	353.8	354.9	353.2	352.1	351.0	349.5	348.7	347.8
180°	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7

TEST NUMBER: P1428370

CATALOG NUMBER: SQ2W-PW1-K-025U-125D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2682.3	2682.3	2682.3	2682.3	2682.3	2682.3	2682.3	2682.3	2682.3	2682.3	2682.3
2.5°	2681.2	2676.6	2677.5	2678.9	2681.6	2684.3	2681.6	2678.9	2677.5	2676.6	2681.2
5°	2679.7	2675.2	2676.3	2679.7	2690.0	2700.2	2690.0	2679.7	2676.3	2675.2	2679.7
7.5°	2671.3	2669.4	2673.3	2678.7	2688.7	2698.7	2688.7	2678.7	2673.3	2669.4	2671.3
10°	2662.7	2662.1	2667.8	2674.4	2683.4	2692.5	2683.4	2674.4	2667.8	2662.1	2662.7
12.5°	2651.6	2652.4	2659.0	2666.2	2675.3	2684.3	2675.3	2666.2	2659.0	2652.4	2651.6
15°	2626.7	2630.1	2638.0	2645.4	2651.1	2656.8	2651.1	2645.4	2638.0	2630.1	2626.7
17.5°	2585.5	2585.7	2587.8	2590.0	2592.7	2595.4	2592.7	2590.0	2587.8	2585.7	2585.5
20°	2553.7	2548.0	2540.1	2534.1	2534.1	2534.1	2534.1	2534.1	2540.1	2548.0	2553.7
22.5°	2509.0	2494.2	2472.7	2454.7	2447.4	2440.1	2447.4	2454.7	2472.7	2494.2	2509.0
25°	2420.3	2386.8	2342.5	2305.1	2288.0	2271.0	2288.0	2305.1	2342.5	2386.8	2420.3
27.5°	2299.6	2245.7	2182.8	2129.7	2106.1	2082.5	2106.1	2129.7	2182.8	2245.7	2299.6
30°	2201.8	2134.2	2064.9	2007.3	1984.6	1961.9	1984.6	2007.3	2064.9	2134.2	2201.8
32.5°	2099.6	2022.5	1950.5	1890.4	1865.9	1841.3	1865.9	1890.4	1950.5	2022.5	2099.6
35°	1939.5	1851.5	1778.8	1718.9	1697.4	1675.8	1697.4	1718.9	1778.8	1851.5	1939.5
37.5°	1778.9	1685.8	1609.7	1546.7	1522.9	1499.0	1522.9	1546.7	1609.7	1685.8	1778.9
40°	1666.7	1571.3	1495.3	1432.3	1408.4	1384.6	1408.4	1432.3	1495.3	1571.3	1666.7
42.5°	1558.4	1463.0	1387.0	1323.7	1299.0	1274.2	1299.0	1323.7	1387.0	1463.0	1558.4
45°	1394.5	1299.1	1225.3	1164.0	1140.2	1116.3	1140.2	1164.0	1225.3	1299.1	1394.5
47.5°	1240.1	1146.0	1074.5	1015.7	995.3	974.8	995.3	1015.7	1074.5	1146.0	1240.1
50°	1141.3	1049.9	978.4	918.5	893.5	868.6	893.5	918.5	978.4	1049.9	1141.3
52.5°	1046.0	955.0	881.7	818.1	784.1	750.0	784.1	818.1	881.7	955.0	1046.0
55°	906.9	814.9	733.2	667.0	647.7	628.4	647.7	667.0	733.2	814.9	906.9
57.5°	778.9	695.5	621.3	561.6	545.7	529.8	545.7	561.6	621.3	695.5	778.9
60°	693.7	617.6	555.2	504.4	488.5	472.6	488.5	504.4	555.2	617.6	693.7
62.5°	610.6	542.3	492.5	451.9	438.8	425.6	438.8	451.9	492.5	542.3	610.6
65°	508.9	452.2	411.3	377.8	366.4	355.1	366.4	377.8	411.3	452.2	508.9
67.5°	420.9	375.0	339.1	310.3	302.8	295.3	302.8	310.3	339.1	375.0	420.9
70°	364.2	325.0	295.5	271.9	266.2	260.6	266.2	271.9	295.5	325.0	364.2
72.5°	309.9	277.1	253.9	235.6	231.7	227.9	231.7	235.6	253.9	277.1	309.9
75°	237.6	214.3	198.4	185.9	183.6	181.4	183.6	185.9	198.4	214.3	237.6
77.5°	175.8	158.6	146.8	137.5	135.7	133.9	135.7	137.5	146.8	158.6	175.8
80°	136.2	123.2	114.1	107.3	107.3	107.3	107.3	107.3	114.1	123.2	136.2
82.5°	97.2	88.7	84.1	80.7	80.7	80.7	80.7	80.7	84.1	88.7	97.2
85°	50.8	45.1	38.3	32.9	31.8	30.7	31.8	32.9	38.3	45.1	50.8
87.5°	12.1	9.8	9.4	9.0	9.3	9.2	9.3	9.0	9.4	9.8	12.1
90°	8.1	10.6	13.1	14.5	15.9	15.2	15.9	14.5	13.1	10.6	8.1
92.5°	16.4	20.5	23.6	26.1	27.3	27.1	27.3	26.1	23.6	20.5	16.4
95°	32.9	37.9	42.9	46.4	48.5	47.8	48.5	46.4	42.9	37.9	32.9
97.5°	50.8	57.5	63.0	66.3	68.4	69.9	68.4	66.3	63.0	57.5	50.8
100°	62.7	69.1	75.4	79.3	82.9	84.3	82.9	79.3	75.4	69.1	62.7
102.5°	72.3	80.7	87.6	91.8	94.8	96.2	94.8	91.8	87.6	80.7	72.3
105°	88.2	97.1	104.5	109.8	113.0	114.1	113.0	109.8	104.5	97.1	88.2
107.5°	104.1	113.2	120.1	126.0	129.9	132.1	129.9	126.0	120.1	113.2	104.1
110°	116.5	124.0	131.4	136.7	140.6	142.0	140.6	136.7	131.4	124.0	116.5



TEST NUMBER: P1428370

CATALOG NUMBER: SQ2W-PW1-K-025U-125D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	127.0	135.3	142.8	148.1	152.5	154.5	152.5	148.1	142.8	135.3	127.0
115°	141.7	152.7	159.4	164.4	167.5	169.3	167.5	164.4	159.4	152.7	141.7
117.5°	153.9	165.4	172.7	176.5	178.0	179.3	178.0	176.5	172.7	165.4	153.9
120°	161.5	172.2	180.7	185.6	187.4	188.1	187.4	185.6	180.7	172.2	161.5
122.5°	168.6	178.7	186.9	193.0	195.9	196.6	195.9	193.0	186.9	178.7	168.6
125°	178.5	188.1	196.6	202.6	205.8	207.6	205.8	202.6	196.6	188.1	178.5
127.5°	187.2	197.5	205.3	210.8	213.9	215.3	213.9	210.8	205.3	197.5	187.2
130°	192.0	202.6	210.4	216.4	219.3	220.7	219.3	216.4	210.4	202.6	192.0
132.5°	195.7	206.9	214.9	220.4	223.5	224.9	223.5	220.4	214.9	206.9	195.7
135°	200.1	211.8	220.3	225.6	228.5	229.9	228.5	225.6	220.3	211.8	200.1
137.5°	204.0	214.7	223.5	229.1	231.7	232.6	231.7	229.1	223.5	214.7	204.0
140°	206.9	216.1	224.9	230.2	233.1	233.4	233.1	230.2	224.9	216.1	206.9
142.5°	210.6	217.8	225.5	230.8	233.6	234.3	233.6	230.8	225.5	217.8	210.6
145°	217.1	221.4	226.7	231.7	234.1	234.9	234.1	231.7	226.7	221.4	217.1
147.5°	225.4	226.8	229.5	232.8	235.2	235.7	235.2	232.8	229.5	226.8	225.4
150°	231.7	231.3	232.4	234.5	236.6	236.3	236.6	234.5	232.4	231.3	231.7
152.5°	238.7	236.7	236.6	237.6	238.6	238.5	238.6	237.6	236.6	236.7	238.7
155°	250.8	246.9	244.8	244.1	244.1	243.7	244.1	244.1	244.8	246.9	250.8
157.5°	264.0	258.6	255.4	253.7	253.2	252.4	253.2	253.7	255.4	258.6	264.0
160°	273.1	267.1	263.9	261.1	260.0	258.9	260.0	261.1	263.9	267.1	273.1
162.5°	281.6	275.9	272.4	269.8	268.8	267.2	268.8	269.8	272.4	275.9	281.6
165°	295.4	289.4	285.5	283.4	282.0	280.5	282.0	283.4	285.5	289.4	295.4
167.5°	309.2	302.6	300.1	297.7	296.3	293.8	296.3	297.7	300.1	302.6	309.2
170°	317.7	311.7	310.3	308.2	305.7	302.9	305.7	308.2	310.3	311.7	317.7
172.5°	325.1	321.1	319.7	317.5	316.7	314.5	316.7	317.5	319.7	321.1	325.1
175°	335.8	332.6	332.6	332.3	331.2	329.1	331.2	332.3	332.6	332.6	335.8
177.5°	344.7	343.0	344.2	344.2	343.9	341.9	343.9	344.2	344.2	343.0	344.7
180°	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7



TEST NUMBER: P1428370

CATALOG NUMBER: SQ2W-PW1-K-025U-125D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	2682.3	2682.3	2682.3	2682.3
2.5°	2691.2	2694.8	2679.4	2663.9
5°	2690.0	2692.8	2673.5	2654.2
7.5°	2679.1	2680.0	2660.4	2640.9
10°	2669.5	2669.5	2649.1	2628.7
12.5°	2656.6	2655.0	2633.7	2612.3
15°	2627.8	2623.0	2600.3	2577.6
17.5°	2587.1	2582.6	2559.9	2537.2
20°	2557.1	2554.0	2531.3	2508.6
22.5°	2516.9	2516.8	2492.2	2467.7
25°	2443.0	2454.1	2430.3	2406.4
27.5°	2344.6	2373.5	2354.2	2334.9
30°	2267.6	2313.3	2298.5	2283.8
32.5°	2181.8	2242.0	2236.3	2230.7
35°	2042.8	2122.9	2133.1	2143.3
37.5°	1889.0	1979.2	2009.7	2040.1
40°	1781.4	1878.2	1921.3	1964.5
42.5°	1673.1	1772.6	1826.6	1880.7
45°	1511.5	1615.1	1678.6	1742.2
47.5°	1356.8	1460.1	1523.3	1586.4
50°	1252.6	1351.4	1412.7	1474.0
52.5°	1154.5	1249.6	1304.6	1359.5
55°	1009.1	1098.8	1151.0	1203.2
57.5°	871.3	951.9	997.1	1042.3
60°	783.4	860.6	900.3	940.1
62.5°	697.6	771.6	806.8	842.0
65°	581.6	642.6	668.7	694.8
67.5°	477.0	522.7	537.3	551.8
70°	413.0	450.7	455.3	459.8
72.5°	352.4	383.8	381.9	380.1
75°	268.2	289.0	279.9	270.8
77.5°	198.2	211.7	198.1	184.4
80°	153.3	162.6	149.0	135.4
82.5°	109.7	116.3	105.4	94.5
85°	55.3	57.3	51.7	46.0
87.5°	16.3	18.5	15.5	12.5
90°	6.4	3.9	2.5	1.1
92.5°	13.7	9.6	6.7	3.9
95°	27.6	22.0	15.6	11.0
97.5°	44.0	34.9	28.6	21.0
100°	52.8	43.9	37.9	29.8
102.5°	62.4	55.0	46.7	38.5
105°	79.7	70.5	60.9	51.7
107.5°	95.7	85.6	74.1	65.8
110°	105.9	94.9	82.9	75.4



TEST NUMBER: P1428370

CATALOG NUMBER: SQ2W-PW1-K-025U-125D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
112.5°	115.8	104.6	92.2	84.8
115°	129.3	116.9	105.6	99.2
117.5°	142.3	129.5	117.5	112.5
120°	150.2	137.4	125.7	121.9
122.5°	156.7	144.2	133.4	131.8
125°	166.5	153.7	144.5	146.6
127.5°	174.4	162.7	156.9	161.7
130°	179.2	169.0	165.4	172.2
132.5°	183.5	175.5	173.9	183.2
135°	189.9	185.3	186.7	199.4
137.5°	197.4	195.7	200.4	216.5
140°	202.3	203.3	210.1	228.1
142.5°	208.8	211.3	220.0	239.2
145°	218.9	224.2	235.6	254.7
147.5°	230.4	237.3	251.3	270.9
150°	238.0	246.9	261.8	280.5
152.5°	246.8	256.0	270.8	289.9
155°	260.4	270.6	286.2	302.5
157.5°	274.2	284.7	299.5	313.8
160°	282.7	294.0	307.5	320.6
162.5°	292.3	302.8	314.6	326.2
165°	306.4	314.9	324.5	334.4
167.5°	318.2	325.3	332.8	340.6
170°	325.9	331.6	337.9	344.0
172.5°	332.4	336.9	341.6	346.8
175°	341.1	343.6	346.4	349.6
177.5°	347.8	348.7	349.5	351.0
180°	350.7	350.7	350.7	350.7



TEST NUMBER: P1428370  
 CATALOG NUMBER: SQ2W-PW1-K-025U-125D-L940-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	22.86	24.08	23.45	24.67	25.33	19.11	20.33	19.70	20.92	21.58
	3H	24.19	25.28	24.79	25.88	26.58	20.41	21.50	21.01	22.10	22.80
	4H	24.61	25.64	25.24	26.25	26.97	20.93	21.95	21.55	22.57	23.28
	6H	24.81	25.76	25.45	26.38	27.11	21.25	22.20	21.89	22.82	23.55
	8H	24.86	25.76	25.51	26.41	27.14	21.38	22.28	22.02	22.92	23.65
	12H	24.88	25.74	25.53	26.37	27.13	21.42	22.28	22.07	22.92	23.67
4H	2H	23.04	24.06	23.66	24.67	25.39	19.96	20.99	20.59	21.60	22.31
	3H	24.61	25.46	25.24	26.11	26.84	21.44	22.29	22.08	22.94	23.67
	4H	25.17	25.93	25.82	26.59	27.36	22.03	22.80	22.69	23.46	24.22
	6H	25.50	26.16	26.17	26.84	27.62	22.44	23.10	23.11	23.78	24.56
	8H	25.59	26.21	26.27	26.90	27.68	22.59	23.21	23.27	23.89	24.68
	12H	25.63	26.19	26.33	26.90	27.69	22.65	23.21	23.35	23.91	24.70
8H	4H	25.23	25.85	25.91	26.53	27.32	22.40	23.02	23.08	23.70	24.49
	6H	25.66	26.18	26.38	26.90	27.69	22.91	23.42	23.62	24.14	24.93
	8H	25.84	26.29	26.56	27.02	27.83	23.13	23.58	23.85	24.31	25.12
	12H	25.93	26.33	26.65	27.05	27.92	23.22	23.63	23.95	24.34	25.21
12H	4H	25.21	25.76	25.91	26.47	27.26	22.44	22.99	23.14	23.70	24.49
	6H	25.66	26.12	26.38	26.85	27.65	22.98	23.44	23.71	24.17	24.97
	8H	25.86	26.27	26.59	26.99	27.85	23.24	23.64	23.97	24.36	25.23