

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: P1428545

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

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1428545  
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-100U-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 1000 LUMENS PER FOOT  
Light Source: 3000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

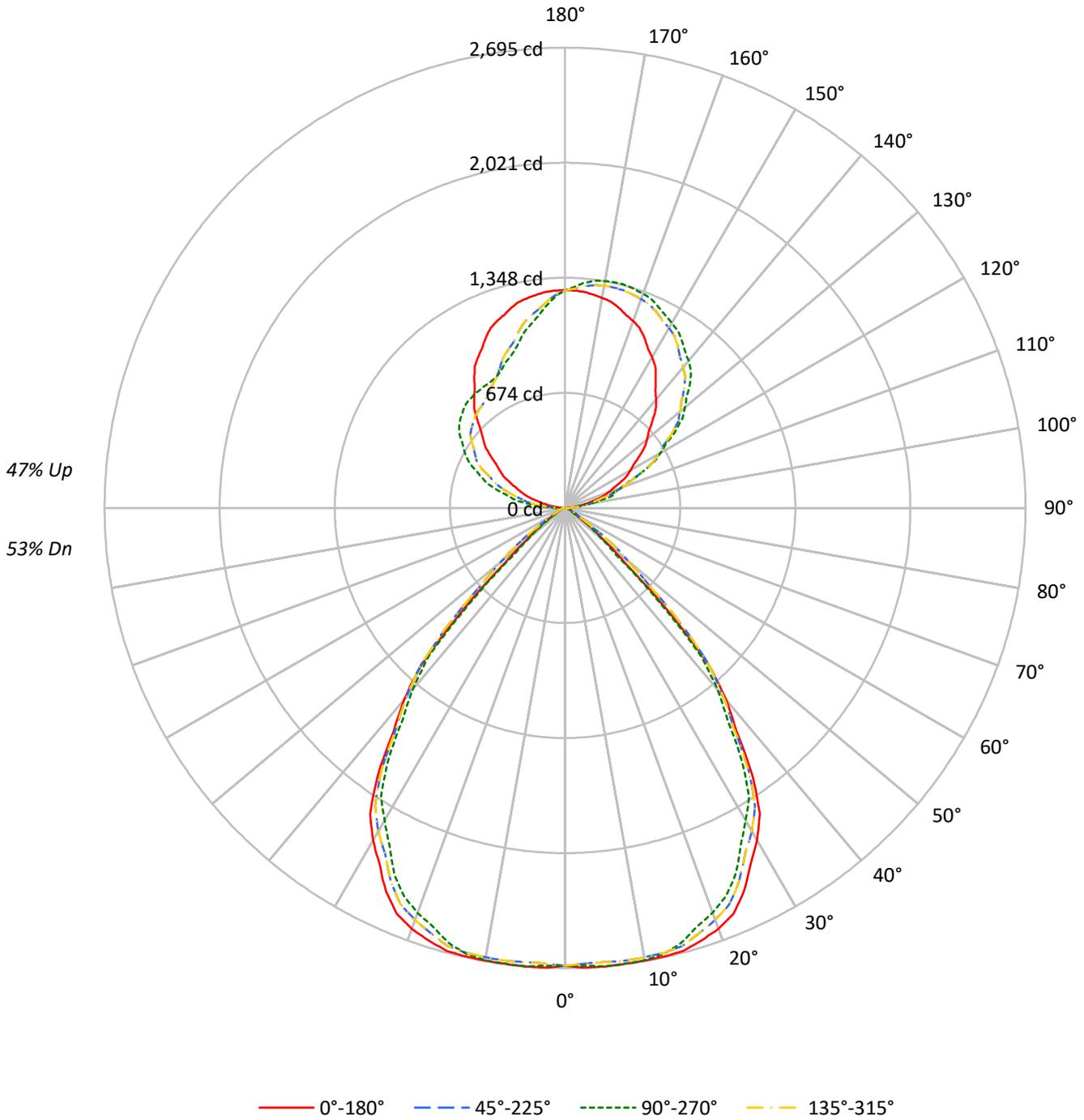
Lumens per Lamp: N/A  
Luminaire Lumens: 7917.3 lumens  
Efficiency: N/A  
Efficacy: 111.2 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.18 / 1.17  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 71.2  
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-WBM-K-100U-100D-L930-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	108	108	108	108	100	100	100	100	85	85	85	71	71	71	59	59	59	53				
1	100	97	93	91	93	90	87	85	77	75	74	66	64	63	55	54	53	48				
2	93	87	82	77	86	81	77	73	70	67	64	60	58	56	51	49	48	44				
3	86	78	72	67	80	73	68	63	64	60	57	55	52	50	47	45	43	40				
4	80	71	64	59	74	66	60	56	58	54	50	51	47	45	43	41	39	36				
5	74	64	57	52	69	60	54	49	53	48	45	46	43	40	40	38	36	33				
6	69	58	51	46	64	55	49	44	49	44	40	43	39	36	37	35	32	30				
7	64	53	46	41	60	50	44	40	45	40	36	40	36	33	35	32	30	27				
8	60	49	42	37	56	46	40	36	41	36	33	37	33	30	32	29	27	25				
9	56	45	38	34	53	43	37	32	38	33	30	34	30	27	30	27	25	23				
10	53	42	35	31	49	40	34	30	36	31	27	32	28	25	28	25	23	21				

**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	3.2
10°-20°	749.5	9.5
20°-30°	1108.2	14.0
30°-40°	1146.6	14.5
40°-50°	689.7	8.7
50°-60°	164.9	2.1
60°-70°	45.1	0.6
70°-80°	25.2	0.3
80°-90°	13.2	0.2
90°-100°	101.4	1.3
100°-110°	295.6	3.7
110°-120°	482.4	6.1
120°-130°	612.1	7.7
130°-140°	655.0	8.3
140°-150°	611.6	7.7
150°-160°	503.3	6.4
160°-170°	337.5	4.3
170°-180°	119.8	1.5
0°-30°	2114.0	26.7
0°-40°	3260.6	41.2
0°-60°	4115.2	52.0
0°-90°	4198.7	53.0
90°-120°	879.3	11.1
90°-150°	2758.0	34.8
90°-180°	3719.0	47.0
0°-180°	7917.3	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°	4	28	4	55	4	3
95°	40	30	40	174	40	48
105°	188	301	188	414	188	200
115°	360	499	360	615	360	355
125°	533	791	533	754	533	477
135°	724	1036	724	835	724	560
145°	925	1194	925	853	925	579
155°	1099	1297	1099	885	1099	505
165°	1214	1352	1214	1019	1214	342
175°	1270	1324	1270	1195	1270	120
180°	1274	1274	1274	1274	1274	



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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°	2.8	4.3	6.1	6.9	7.2	7.2	7.2	7.5	7.7	7.7	7.7
90°	3.9	9.0	15.4	20.6	24.4	25.7	25.7	27.0	28.3	28.3	28.3
92.5°	14.2	22.4	22.6	22.6	27.5	29.8	31.9	32.2	33.4	33.4	33.4
95°	39.9	43.7	65.6	64.3	43.7	34.7	29.6	29.6	29.6	29.6	29.6
97.5°	76.2	81.8	85.4	114.5	120.9	116.8	95.2	80.0	71.5	67.7	71.5
100°	108.1	110.6	118.4	119.6	151.8	182.7	167.2	147.9	141.5	137.6	141.5
102.5°	140.0	141.5	153.3	158.7	166.2	183.7	237.2	231.3	226.9	226.2	226.9
105°	187.8	189.1	211.0	221.3	226.4	226.4	225.1	250.9	292.0	301.0	292.0
107.5°	239.0	244.9	270.7	298.2	304.1	305.7	299.0	295.1	293.6	294.6	293.6
110°	274.0	283.0	313.9	348.6	357.6	360.2	357.6	353.8	351.2	351.2	351.2



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	308.0	321.1	356.1	396.0	411.1	418.9	413.2	410.4	407.8	409.9	407.8
115°	360.2	379.5	425.8	467.0	497.9	501.7	500.4	500.4	499.1	499.1	499.1
117.5°	408.6	439.5	491.4	539.3	575.0	585.3	590.5	588.9	587.4	590.0	587.4
120°	442.5	478.6	537.7	591.8	626.5	641.9	647.1	644.5	647.1	644.5	647.1
122.5°	478.6	522.8	581.0	637.0	678.0	695.5	701.6	702.1	702.7	701.1	702.7
125°	532.6	586.6	654.8	712.7	755.1	775.7	780.9	782.2	784.7	791.2	784.7
127.5°	587.1	648.4	723.2	779.1	822.6	847.5	855.5	858.3	863.7	866.6	863.7
130°	625.2	694.7	770.6	823.3	865.8	892.8	906.9	910.8	917.2	916.0	917.2
132.5°	665.4	737.9	814.8	869.6	909.0	938.1	950.2	961.2	963.5	965.4	963.5
135°	724.3	802.7	879.9	934.0	971.3	999.6	1015.0	1025.3	1031.7	1035.6	1031.7
137.5°	786.3	869.1	943.2	991.3	1028.9	1053.3	1070.8	1081.6	1088.3	1091.4	1088.3
140°	828.5	908.2	980.3	1030.4	1063.9	1088.3	1103.8	1116.6	1124.4	1124.4	1124.4
142.5°	868.6	947.3	1017.3	1067.5	1096.8	1119.2	1135.7	1145.5	1154.2	1154.2	1154.2
145°	925.0	1003.4	1067.8	1117.9	1142.4	1162.9	1181.0	1188.7	1193.8	1193.8	1193.8
147.5°	983.9	1053.3	1112.0	1160.1	1180.7	1204.9	1219.0	1225.2	1231.6	1228.8	1231.6
150°	1018.9	1083.2	1139.8	1184.8	1205.4	1228.6	1242.7	1247.9	1254.3	1250.4	1254.3
152.5°	1052.8	1114.1	1165.5	1207.5	1225.0	1248.1	1264.3	1269.5	1273.8	1271.0	1273.8
155°	1098.6	1152.7	1200.3	1238.8	1254.3	1276.2	1291.6	1298.0	1303.2	1296.7	1303.2
157.5°	1139.5	1186.1	1227.5	1263.0	1279.5	1298.3	1312.7	1320.7	1325.8	1323.0	1325.8
160°	1164.2	1206.7	1244.0	1277.4	1292.9	1309.6	1325.0	1334.0	1339.2	1335.3	1339.2
162.5°	1184.8	1223.2	1258.4	1288.8	1302.1	1316.8	1335.3	1343.3	1348.5	1343.6	1348.5
165°	1214.4	1245.3	1276.2	1301.9	1313.5	1325.0	1344.3	1353.3	1357.2	1352.1	1357.2
167.5°	1236.8	1260.5	1285.4	1307.5	1316.0	1327.4	1346.7	1354.1	1359.0	1352.6	1359.0
170°	1249.1	1269.7	1291.6	1309.6	1316.0	1326.3	1345.6	1352.1	1355.9	1349.5	1355.9
172.5°	1259.4	1274.9	1292.6	1308.6	1311.9	1320.2	1338.4	1344.9	1347.7	1342.3	1347.7
175°	1269.7	1278.7	1291.6	1301.9	1300.6	1305.7	1321.2	1326.3	1331.5	1323.8	1331.5
177.5°	1274.6	1278.7	1282.8	1289.0	1284.9	1284.9	1296.2	1299.3	1300.3	1296.2	1300.3
180°	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6



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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°	7.5	7.2	7.2	7.2	6.9	6.1	4.3	2.8	4.3	5.8	7.4
90°	27.0	25.7	25.7	24.4	20.6	15.4	9.0	3.9	9.0	14.2	23.2
92.5°	32.2	31.9	29.8	27.5	22.6	22.6	22.4	14.2	24.4	34.7	49.9
95°	29.6	29.6	34.7	43.7	64.3	65.6	43.7	39.9	56.6	79.8	100.3
97.5°	80.0	95.2	116.8	120.9	114.5	85.4	81.8	76.2	103.7	126.6	159.8
100°	147.9	167.2	182.7	151.8	119.6	118.4	110.6	108.1	137.6	159.5	191.7
102.5°	231.3	237.2	183.7	166.2	158.7	153.3	141.5	140.0	169.6	199.7	226.7
105°	250.9	225.1	226.4	226.4	221.3	211.0	189.1	187.8	221.3	256.0	289.5
107.5°	295.1	299.0	305.7	304.1	298.2	270.7	244.9	239.0	269.1	310.8	347.6
110°	353.8	357.6	360.2	357.6	348.6	313.9	283.0	274.0	301.0	344.8	384.6



TEST NUMBER: P1428545

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

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	410.4	413.2	418.9	411.1	396.0	356.1	321.1	308.0	335.0	379.8	420.7
115°	500.4	500.4	501.7	497.9	467.0	425.8	379.5	360.2	383.4	424.5	469.6
117.5°	588.9	590.5	585.3	575.0	539.3	491.4	439.5	408.6	426.8	470.3	516.6
120°	644.5	647.1	641.9	626.5	591.8	537.7	478.6	442.5	456.7	499.1	545.5
122.5°	702.1	701.6	695.5	678.0	637.0	581.0	522.8	478.6	484.5	523.8	569.1
125°	782.2	780.9	775.7	755.1	712.7	654.8	586.6	532.6	524.9	558.3	604.6
127.5°	858.3	855.5	847.5	822.6	779.1	723.2	648.4	587.1	569.9	591.0	633.4
130°	910.8	906.9	892.8	865.8	823.3	770.6	694.7	625.2	600.8	613.6	650.9
132.5°	961.2	950.2	938.1	909.0	869.6	814.8	737.9	665.4	631.6	637.3	666.4
135°	1025.3	1015.0	999.6	971.3	934.0	879.9	802.7	724.3	678.0	672.8	689.5
137.5°	1081.6	1070.8	1053.3	1028.9	991.3	943.2	869.1	786.3	727.9	710.6	717.1
140°	1116.6	1103.8	1088.3	1063.9	1030.4	980.3	908.2	828.5	762.9	738.4	734.6
142.5°	1145.5	1135.7	1119.2	1096.8	1067.5	1017.3	947.3	868.6	798.9	767.2	758.2
145°	1188.7	1181.0	1162.9	1142.4	1117.9	1067.8	1003.4	925.0	855.5	814.3	795.0
147.5°	1225.2	1219.0	1204.9	1180.7	1160.1	1112.0	1053.3	983.9	912.6	861.7	836.7
150°	1247.9	1242.7	1228.6	1205.4	1184.8	1139.8	1083.2	1018.9	950.7	896.7	864.5
152.5°	1269.5	1264.3	1248.1	1225.0	1207.5	1165.5	1114.1	1052.8	983.6	929.6	896.4
155°	1298.0	1291.6	1276.2	1254.3	1238.8	1200.3	1152.7	1098.6	1039.4	982.8	945.5
157.5°	1320.7	1312.7	1298.3	1279.5	1263.0	1227.5	1186.1	1139.5	1087.8	1033.8	995.7
160°	1334.0	1325.0	1309.6	1292.9	1277.4	1244.0	1206.7	1164.2	1116.6	1067.8	1026.6
162.5°	1343.3	1335.3	1316.8	1302.1	1288.8	1258.4	1223.2	1184.8	1142.4	1099.7	1061.6
165°	1353.3	1344.3	1325.0	1313.5	1301.9	1276.2	1245.3	1214.4	1178.4	1143.7	1112.8
167.5°	1354.1	1346.7	1327.4	1316.0	1307.5	1285.4	1260.5	1236.8	1208.7	1181.5	1155.7
170°	1352.1	1345.6	1326.3	1316.0	1309.6	1291.6	1269.7	1249.1	1227.3	1204.1	1183.5
172.5°	1344.9	1338.4	1320.2	1311.9	1308.6	1292.6	1274.9	1259.4	1240.7	1223.7	1207.2
175°	1326.3	1321.2	1305.7	1300.6	1301.9	1291.6	1278.7	1269.7	1258.1	1247.9	1238.8
177.5°	1299.3	1296.2	1284.9	1284.9	1289.0	1282.8	1278.7	1274.6	1269.5	1266.4	1263.3
180°	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6



TEST NUMBER: P1428545

CATALOG NUMBER: SQ2W-WBM-K-100U-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°	8.2	9.8	11.6	12.6	13.6	13.1	13.6	12.6	11.6	9.8	8.2
90°	29.6	38.6	47.6	52.7	57.9	55.3	57.9	52.7	47.6	38.6	29.6
92.5°	59.4	74.6	85.7	94.9	99.1	98.5	99.1	94.9	85.7	74.6	59.4
95°	119.6	137.6	155.7	168.5	176.2	173.7	176.2	168.5	155.7	137.6	119.6
97.5°	184.5	208.7	228.7	240.8	248.5	253.7	248.5	240.8	228.7	208.7	184.5
100°	227.7	250.9	274.0	288.2	301.0	306.2	301.0	288.2	274.0	250.9	227.7
102.5°	262.7	293.1	318.3	333.4	344.3	349.4	344.3	318.3	293.1	262.7	262.7
105°	320.3	352.5	379.5	398.8	410.4	414.2	410.4	398.8	379.5	352.5	320.3
107.5°	378.0	411.1	436.1	457.5	471.6	479.8	471.6	457.5	436.1	411.1	378.0
110°	423.2	450.3	477.3	496.6	510.7	515.9	510.7	496.6	477.3	450.3	423.2



TEST NUMBER: P1428545

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

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	461.3	491.4	518.4	537.7	553.9	561.1	553.9	537.7	518.4	491.4	461.3
115°	514.6	554.5	578.9	596.9	608.5	614.9	608.5	596.9	578.9	554.5	514.6
117.5°	558.8	600.5	627.3	641.2	646.6	651.2	646.6	641.2	627.3	600.5	558.8
120°	586.6	625.2	656.1	674.1	680.5	683.1	680.5	674.1	656.1	625.2	586.6
122.5°	612.3	648.9	678.7	700.9	711.4	714.0	711.4	700.9	678.7	648.9	612.3
125°	648.4	683.1	714.0	735.8	747.4	753.9	747.4	735.8	714.0	683.1	648.4
127.5°	679.8	717.3	745.6	765.4	776.8	781.9	776.8	765.4	745.6	717.3	679.8
130°	697.3	735.8	764.1	786.0	796.3	801.5	796.3	786.0	764.1	735.8	697.3
132.5°	710.6	751.3	780.6	800.4	811.7	816.9	811.7	800.4	780.6	751.3	710.6
135°	726.8	769.3	800.2	819.5	829.8	834.9	829.8	819.5	800.2	769.3	726.8
137.5°	741.0	779.6	811.7	832.1	841.3	844.7	841.3	832.1	811.7	779.6	741.0
140°	751.3	784.7	816.9	836.2	846.5	847.8	846.5	836.2	816.9	784.7	751.3
142.5°	764.7	790.9	819.0	838.2	848.5	850.9	848.5	838.2	819.0	790.9	764.7
145°	788.6	804.0	823.3	841.3	850.3	852.9	850.3	841.3	823.3	804.0	788.6
147.5°	818.7	823.6	833.6	845.5	854.2	856.0	854.2	845.5	833.6	823.6	818.7
150°	841.3	840.1	843.9	851.6	859.3	858.1	859.3	851.6	843.9	840.1	841.3
152.5°	867.1	859.6	859.3	862.9	866.6	866.3	866.6	862.9	859.3	859.6	867.1
155°	910.8	896.7	888.9	886.4	886.4	885.1	886.4	886.4	888.9	896.7	910.8
157.5°	958.9	939.1	927.5	921.4	919.6	916.7	919.6	921.4	927.5	939.1	958.9
160°	991.9	970.0	958.4	948.1	944.3	940.4	944.3	948.1	958.4	970.0	991.9
162.5°	1022.7	1001.9	989.3	980.0	976.2	970.2	976.2	980.0	989.3	1001.9	1022.7
165°	1072.9	1051.0	1036.9	1029.2	1024.0	1018.9	1024.0	1029.2	1036.9	1051.0	1072.9
167.5°	1123.1	1099.1	1089.9	1081.1	1076.2	1067.0	1076.2	1081.1	1089.9	1099.1	1123.1
170°	1153.9	1132.1	1126.9	1119.2	1110.2	1099.9	1110.2	1119.2	1126.9	1132.1	1153.9
172.5°	1180.7	1166.0	1160.9	1153.2	1150.3	1142.1	1150.3	1153.2	1160.9	1166.0	1180.7
175°	1219.6	1208.0	1208.0	1206.7	1202.8	1195.1	1202.8	1206.7	1208.0	1208.0	1219.6
177.5°	1252.0	1245.8	1249.9	1249.9	1248.9	1241.7	1248.9	1249.9	1249.9	1245.8	1252.0
180°	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6



TEST NUMBER: P1428545

CATALOG NUMBER: SQ2W-WBM-K-100U-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°	7.4	5.8	4.3	2.8
90°	23.2	14.2	9.0	3.9
92.5°	49.9	34.7	24.4	14.2
95°	100.3	79.8	56.6	39.9
97.5°	159.8	126.6	103.7	76.2
100°	191.7	159.5	137.6	108.1
102.5°	226.7	199.7	169.6	140.0
105°	289.5	256.0	221.3	187.8
107.5°	347.6	310.8	269.1	239.0
110°	384.6	344.8	301.0	274.0



TEST NUMBER: P1428545

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

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
112.5°	420.7	379.8	335.0	308.0
115°	469.6	424.5	383.4	360.2
117.5°	516.6	470.3	426.8	408.6
120°	545.5	499.1	456.7	442.5
122.5°	569.1	523.8	484.5	478.6
125°	604.6	558.3	524.9	532.6
127.5°	633.4	591.0	569.9	587.1
130°	650.9	613.6	600.8	625.2
132.5°	666.4	637.3	631.6	665.4
135°	689.5	672.8	678.0	724.3
137.5°	717.1	710.6	727.9	786.3
140°	734.6	738.4	762.9	828.5
142.5°	758.2	767.2	798.9	868.6
145°	795.0	814.3	855.5	925.0
147.5°	836.7	861.7	912.6	983.9
150°	864.5	896.7	950.7	1018.9
152.5°	896.4	929.6	983.6	1052.8
155°	945.5	982.8	1039.4	1098.6
157.5°	995.7	1033.8	1087.8	1139.5
160°	1026.6	1067.8	1116.6	1164.2
162.5°	1061.6	1099.7	1142.4	1184.8
165°	1112.8	1143.7	1178.4	1214.4
167.5°	1155.7	1181.5	1208.7	1236.8
170°	1183.5	1204.1	1227.3	1249.1
172.5°	1207.2	1223.7	1240.7	1259.4
175°	1238.8	1247.9	1258.1	1269.7
177.5°	1263.3	1266.4	1269.5	1274.6
180°	1273.6	1273.6	1273.6	1273.6



TEST NUMBER: P1428545  
 CATALOG NUMBER: SQ2W-WBM-K-100U-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	5.31	6.04	6.27	7.00	8.24	5.29	6.02	6.25	6.98	8.22
	3H	5.99	6.65	6.97	7.61	8.87	5.91	6.56	6.89	7.53	8.79
	4H	6.36	6.97	7.34	7.94	9.21	6.22	6.83	7.21	7.80	9.07
	6H	6.63	7.19	7.62	8.16	9.45	6.45	7.01	7.45	7.99	9.27
	8H	6.74	7.28	7.75	8.27	9.55	6.55	7.08	7.55	8.07	9.35
	12H	6.82	7.33	7.83	8.31	9.61	6.60	7.10	7.60	8.09	9.39
4H	2H	5.40	6.01	6.39	6.98	8.25	5.38	6.00	6.38	6.96	8.24
	3H	6.34	6.84	7.34	7.84	9.13	6.25	6.76	7.25	7.76	9.04
	4H	6.84	7.30	7.85	8.29	9.60	6.70	7.16	7.70	8.15	9.46
	6H	7.27	7.66	8.29	8.68	9.98	7.07	7.46	8.09	8.48	9.79
	8H	7.46	7.82	8.48	8.83	10.15	7.24	7.60	8.25	8.61	9.93
	12H	7.58	7.91	8.62	8.94	10.26	7.33	7.65	8.36	8.68	10.00
8H	4H	6.96	7.33	7.98	8.33	9.65	6.83	7.19	7.84	8.20	9.52
	6H	7.53	7.83	8.57	8.88	10.20	7.34	7.64	8.38	8.69	10.01
	8H	7.83	8.09	8.87	9.13	10.46	7.61	7.87	8.66	8.91	10.25
	12H	8.04	8.27	9.09	9.30	10.69	7.78	8.01	8.83	9.04	10.42
12H	4H	6.94	7.27	7.97	8.29	9.61	6.81	7.14	7.84	8.16	9.48
	6H	7.57	7.83	8.62	8.87	10.21	7.39	7.65	8.44	8.69	10.03
	8H	7.90	8.13	8.94	9.16	10.54	7.69	7.92	8.74	8.95	10.33