

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: P1428548

Luminaire Tested: SQ2W-WBM-K-100U-125D-L930-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1428548  
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-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 1000 LUMENS PER FOOT  
Light Source: 3000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

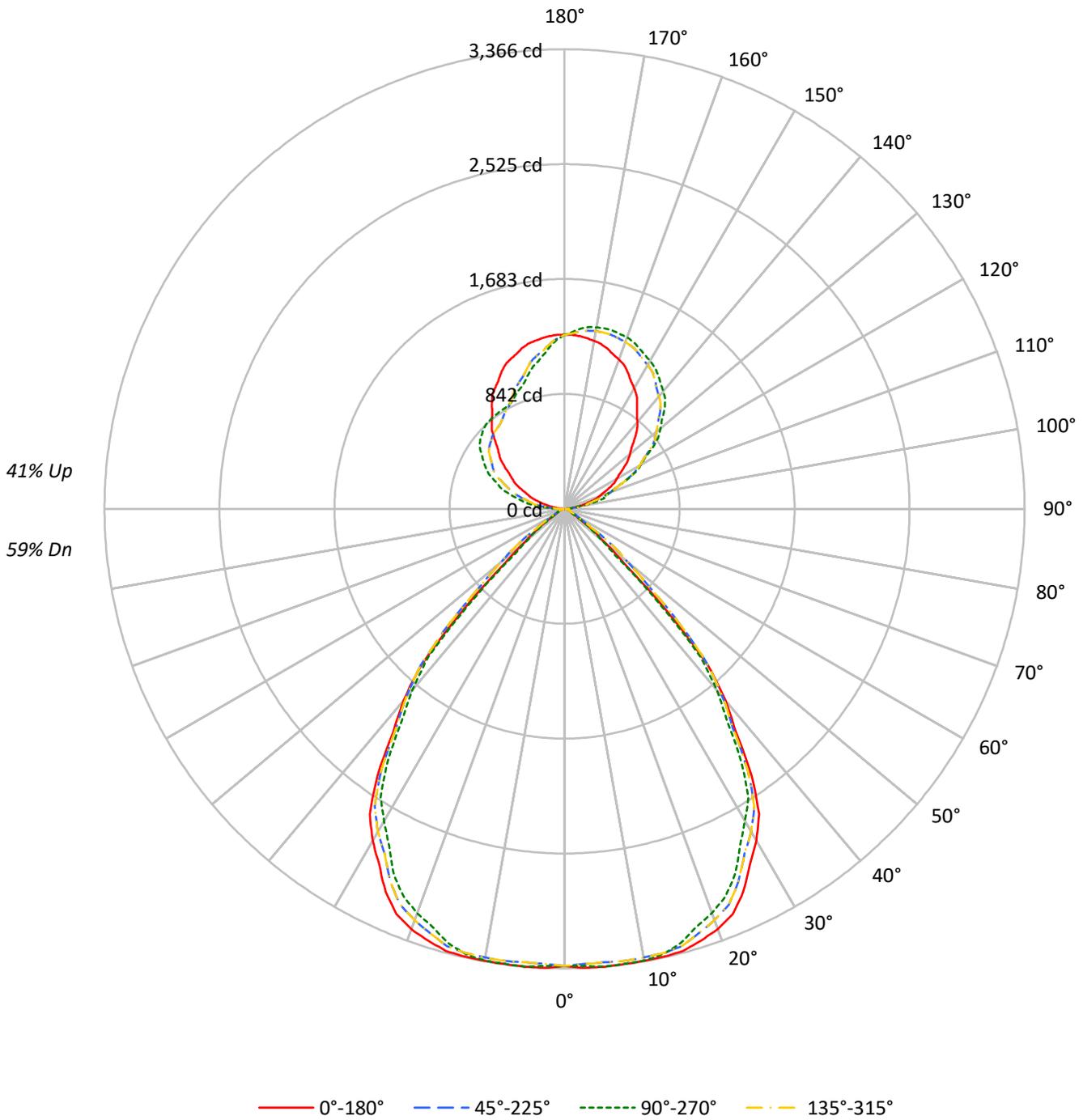
Lumens per Lamp: N/A  
Luminaire Lumens: 8961.6 lumens  
Efficiency: N/A  
Efficacy: 108.1 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.18 / 1.17  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 82.9  
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-125D-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	0
RCR																		
0	109	109	109	109	102	102	102	102	88	88	88	75	75	75	64	64	64	59
1	102	98	95	92	95	92	89	87	80	78	77	70	68	67	60	59	58	53
2	94	88	83	79	88	83	79	75	73	70	67	64	62	60	55	54	52	48
3	88	80	74	69	82	75	70	65	67	62	59	59	56	53	51	49	47	44
4	81	72	65	60	76	68	62	58	61	56	53	54	50	48	47	45	43	40
5	76	66	59	53	71	62	56	51	56	51	47	49	46	43	44	41	39	36
6	71	60	53	48	66	57	50	46	51	46	42	46	42	39	41	38	35	33
7	66	55	48	43	62	52	46	41	47	42	38	42	38	35	38	35	32	30
8	62	50	43	39	58	48	42	37	43	38	35	39	35	32	35	32	30	28
9	58	47	40	35	54	44	38	34	40	35	32	36	32	29	33	30	27	25
10	54	43	36	32	51	41	35	31	37	32	29	34	30	27	31	27	25	23

**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	3.6
10°-20°	936.2	10.4
20°-30°	1384.2	15.4
30°-40°	1432.1	16.0
40°-50°	861.4	9.6
50°-60°	205.9	2.3
60°-70°	56.3	0.6
70°-80°	31.5	0.4
80°-90°	15.2	0.2
90°-100°	101.4	1.1
100°-110°	295.6	3.3
110°-120°	482.4	5.4
120°-130°	612.1	6.8
130°-140°	655.0	7.3
140°-150°	611.6	6.8
150°-160°	503.3	5.6
160°-170°	337.5	3.8
170°-180°	119.8	1.3
0°-30°	2640.5	29.5
0°-40°	4072.6	45.4
0°-60°	5140.0	57.4
0°-90°	5243.0	58.5
90°-120°	879.3	9.8
90°-150°	2758.0	30.8
90°-180°	3719.0	41.5
0°-180°	8961.6	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°	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°	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°	3.3	4.9	6.8	7.5	7.7	7.7	7.7	8.0	8.2	8.2	8.2
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°	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°	8.0	7.7	7.7	7.7	7.5	6.8	4.9	3.3	4.9	6.5	8.1
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: P1428548

CATALOG NUMBER: SQ2W-WBM-K-100U-125D-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: P1428548

CATALOG NUMBER: SQ2W-WBM-K-100U-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°	8.8	10.3	12.1	13.1	14.1	13.6	14.1	13.1	12.1	10.3	8.8
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: P1428548

CATALOG NUMBER: SQ2W-WBM-K-100U-125D-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: P1428548

CATALOG NUMBER: SQ2W-WBM-K-100U-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°	8.1	6.5	4.9	3.3
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: P1428548

CATALOG NUMBER: SQ2W-WBM-K-100U-125D-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: P1428548

CATALOG NUMBER: SQ2W-WBM-K-100U-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	6.58	7.35	7.50	8.26	9.41	6.56	7.33	7.48	8.24	9.40
	3H	7.27	7.95	8.20	8.87	10.05	7.19	7.87	8.12	8.79	9.97
	4H	7.64	8.27	8.58	9.20	10.39	7.49	8.13	8.44	9.06	10.25
	6H	7.91	8.49	8.86	9.42	10.63	7.73	8.31	8.68	9.24	10.45
	8H	8.03	8.58	8.98	9.53	10.73	7.83	8.38	8.78	9.32	10.53
	12H	8.10	8.63	9.06	9.57	10.79	7.88	8.40	8.84	9.34	10.57
4H	2H	6.68	7.32	7.62	8.24	9.43	6.66	7.30	7.61	8.22	9.42
	3H	7.62	8.14	8.57	9.10	10.30	7.53	8.06	8.49	9.01	10.22
	4H	8.12	8.60	9.09	9.55	10.78	7.98	8.45	8.94	9.40	10.63
	6H	8.55	8.96	9.53	9.93	11.16	8.35	8.76	9.33	9.73	10.96
	8H	8.74	9.12	9.72	10.09	11.33	8.52	8.90	9.49	9.86	11.11
	12H	8.87	9.21	9.86	10.19	11.44	8.61	8.95	9.60	9.93	11.18
8H	4H	8.24	8.62	9.22	9.59	10.83	8.11	8.49	9.08	9.45	10.69
	6H	8.82	9.13	9.82	10.14	11.38	8.62	8.94	9.62	9.94	11.19
	8H	9.11	9.38	10.11	10.38	11.64	8.89	9.16	9.90	10.16	11.42
	12H	9.32	9.57	10.33	10.55	11.86	9.06	9.30	10.07	10.29	11.60
12H	4H	8.22	8.56	9.21	9.54	10.79	8.09	8.43	9.08	9.41	10.66
	6H	8.85	9.13	9.86	10.12	11.38	8.67	8.94	9.68	9.94	11.20
	8H	9.18	9.42	10.18	10.41	11.72	8.97	9.21	9.98	10.20	11.51