

Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



Scaled data based on original data using  
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1427615

Luminaire Tested: SQ2W-BBN-K-100U-050D-L930-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1427615  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G3-2308-130-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/10/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ2W-BBN-K-100U-050D-L930-UNV-STD-W-WM-4  
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE  
DOWNLIGHT - BLACK DISCREET BAFFLE, NARROW 35-DEGREE OPTIC  
UPLIGHT - ASYMMETRIC ROLL LENS  
DOWNLIGHT 500 LUMENS PER FOOT  
UPLIGHT 1000 LUMENS PER FOOT  
Light Source: 3000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

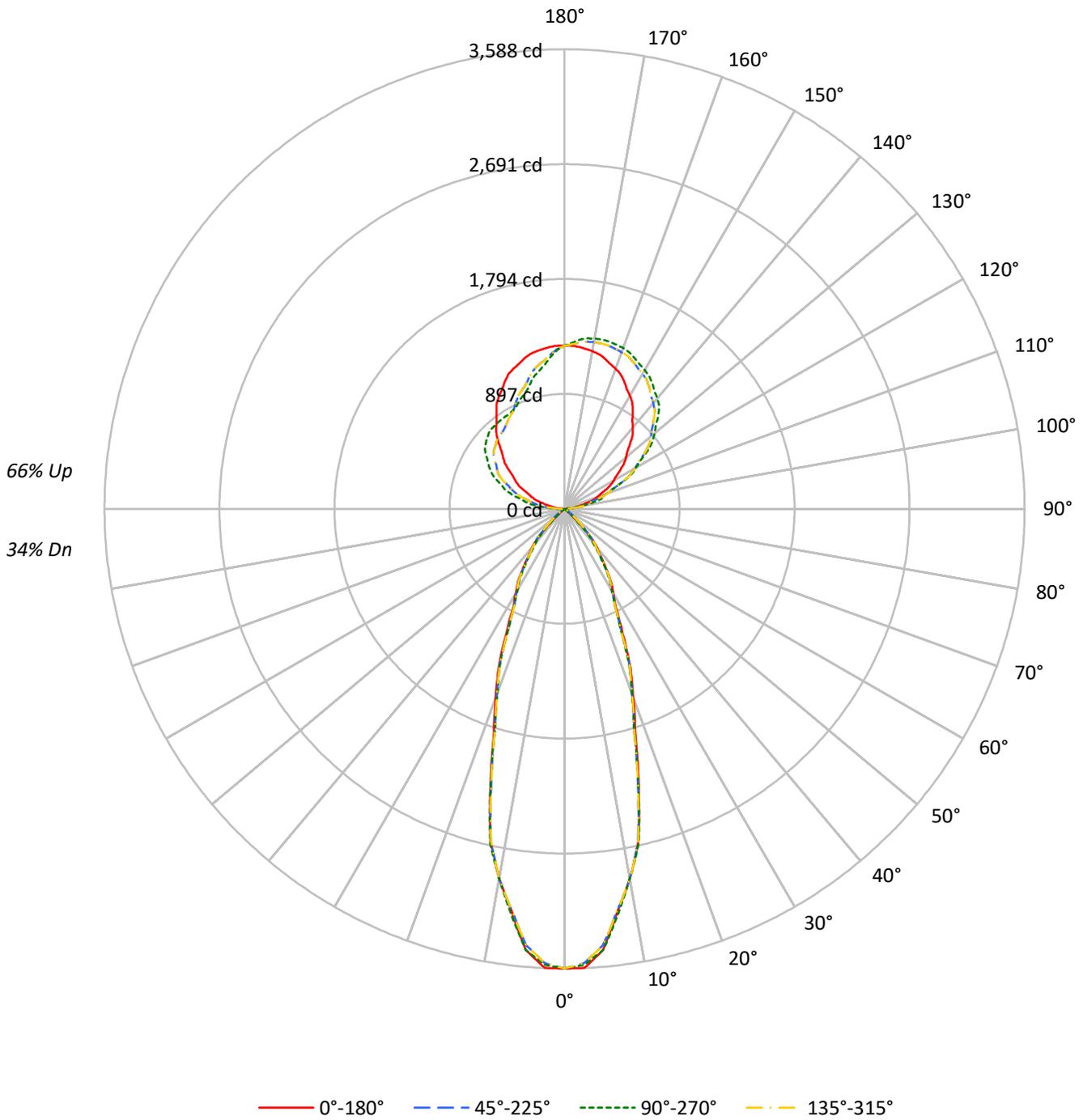
Lumens per Lamp: N/A  
Luminaire Lumens: 5663.6 lumens  
Efficiency: N/A  
Efficacy: 110.6 lumens/watt  
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.62  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

Input Watts (W): 51.2  
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: P1427615

CATALOG NUMBER: SQ2W-BBN-K-100U-050D-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	103	103	103	103	93	93	93	93	75	75	75	58	58	58	42	42	42	34				
1	96	92	89	86	87	84	81	79	68	66	64	53	52	51	39	39	38					
2	89	83	78	74	81	76	71	68	62	59	57	49	47	46	37	36	35					
3	83	75	69	64	75	68	63	59	56	53	50	45	43	41	35	34	33					
4	77	68	61	56	70	62	57	52	52	48	45	42	40	37	33	31	30					
5	71	62	55	50	65	57	51	47	48	44	40	39	36	34	31	29	28					
6	67	57	50	45	61	52	46	42	44	40	37	36	34	32	29	28	26					
7	62	52	45	41	57	48	42	38	41	37	34	34	31	29	28	26	25					
8	59	48	41	37	54	45	39	35	38	34	31	32	29	27	26	25	23					
9	55	45	38	34	51	42	36	32	36	32	29	30	27	25	25	23	22					
10	52	42	35	31	48	39	33	30	33	29	27	28	26	24	24	22	21					

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

	0°	90°	180°	270°
0°	57938	57938	57938	57938
5°	56001	56032	56001	56032
10°	48061	48061	48061	48061
15°	37303	37218	37303	37218
20°	26922	26345	26922	26345
25°	19090	18363	19090	18363
30°	14202	13708	14202	13708
35°	11051	10541	11051	10541
40°	8178	7470	8178	7470
45°	4178	3366	4178	3366
50°	909	666	909	666
55°	256	200	256	200
60°	42	19	42	19
65°	0	0	0	0
70°	0	0	0	0
75°	0	0	0	0
80°	0	0	0	0
85°	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 40°  
 Vertical Angle: 45°  
 Luminance: 5099 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	310.3	5.5
10°-20°	611.8	10.8
20°-30°	493.5	8.7
30°-40°	342.8	6.1
40°-50°	158.4	2.8
50°-60°	22.2	0.4
60°-70°	0.8	0.0
70°-80°	0.0	0.0
80°-90°	6.8	0.1
90°-100°	101.4	1.8
100°-110°	295.6	5.2
110°-120°	482.4	8.5
120°-130°	612.1	10.8
130°-140°	655.0	11.6
140°-150°	611.6	10.8
150°-160°	503.3	8.9
160°-170°	337.5	6.0
170°-180°	119.8	2.1
0°-30°	1415.6	25.0
0°-40°	1758.4	31.0
0°-60°	1939.0	34.2
0°-90°	1946.5	34.4
90°-120°	879.3	15.5
90°-150°	2758.0	48.7
90°-180°	3719.0	65.7
0°-180°	5663.6	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3588	3588	3588	3588	3588	
5°	3455	3457	3455	3457	3455	311
15°	2232	2227	2232	2227	2232	614
25°	1072	1031	1072	1031	1072	502
35°	561	535	561	535	561	351
45°	183	147	183	147	183	148
55°	9	7	9	7	9	11
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
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°	3588.5	3588.5	3588.5	3588.5	3588.5	3588.5	3588.5	3588.5	3588.5	3588.5	3588.5
2.5°	3586.4	3580.4	3574.5	3562.6	3548.8	3548.3	3560.9	3569.4	3565.5	3561.6	3565.5
5°	3455.3	3446.9	3438.6	3428.5	3417.9	3421.9	3440.6	3454.9	3456.1	3457.2	3456.1
7.5°	3165.8	3168.5	3171.2	3164.3	3154.2	3159.5	3180.2	3195.1	3192.9	3190.6	3192.9
10°	2931.5	2933.5	2935.5	2935.1	2934.0	2936.8	2943.7	2947.0	2939.2	2931.5	2939.2
12.5°	2659.8	2667.8	2675.8	2666.6	2651.7	2649.4	2659.7	2668.3	2671.6	2674.8	2671.6
15°	2231.7	2244.7	2257.6	2239.3	2210.5	2203.1	2216.9	2227.1	2226.8	2226.6	2226.8
17.5°	1830.3	1828.9	1827.6	1816.3	1801.6	1795.6	1798.2	1799.9	1799.1	1798.2	1799.1
20°	1566.9	1564.9	1562.9	1553.1	1540.8	1533.6	1531.6	1530.4	1531.9	1533.3	1531.9
22.5°	1341.4	1338.0	1334.6	1330.5	1326.2	1321.5	1316.5	1313.3	1315.2	1317.1	1315.2
25°	1071.6	1060.6	1049.7	1041.0	1032.9	1032.3	1039.2	1042.9	1036.9	1030.8	1036.9
27.5°	860.1	859.9	859.8	854.6	847.7	844.7	845.4	846.3	847.4	848.6	847.4
30°	761.8	759.8	757.8	752.3	745.7	742.5	742.8	742.2	738.7	735.3	738.7
32.5°	674.4	675.8	677.2	671.4	663.2	658.3	656.8	654.8	651.3	647.9	651.3
35°	560.7	560.7	560.7	555.9	549.6	544.3	540.0	536.5	535.7	534.8	535.7
37.5°	455.3	454.8	454.2	450.7	446.3	441.0	434.9	429.7	427.5	425.3	427.5
40°	388.0	386.6	385.1	382.6	379.8	374.6	367.1	360.7	357.5	354.4	357.5
42.5°	311.4	315.3	319.1	318.0	315.1	309.9	302.4	295.6	290.9	286.1	290.9
45°	183.0	199.1	215.2	221.0	223.3	220.1	211.5	198.6	173.0	147.4	173.0
47.5°	78.6	96.3	114.0	128.9	142.8	138.4	115.7	93.4	72.1	50.8	72.1
50°	36.2	50.0	63.8	82.3	102.5	98.3	69.8	46.1	36.3	26.5	36.3
52.5°	21.2	28.1	35.0	52.3	73.1	71.3	46.7	27.0	21.9	16.7	21.9
55°	9.1	11.4	13.7	23.1	34.8	34.3	21.3	11.1	9.1	7.1	9.1
57.5°	3.4	4.6	5.9	9.3	13.4	13.1	8.5	4.8	3.8	2.7	3.8
60°	1.3	1.9	2.4	4.1	6.1	6.0	3.7	1.8	1.2	0.6	1.2
62.5°	0.3	0.6	0.9	1.9	2.9	2.9	1.8	0.8	0.5	0.1	0.5
65°	0.0	0.0	0.0	0.2	0.5	0.5	0.2	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.8	1.8	3.1	4.1	4.9	5.1	5.1	5.4	5.7	5.7	5.7
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



TEST NUMBER: P1427615

CATALOG NUMBER: SQ2W-BBN-K-100U-050D-L930-UNV-STD-W-WM-4

**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°	3588.5	3588.5	3588.5	3588.5	3588.5	3588.5	3588.5	3588.5	3588.5	3588.5	3588.5
2.5°	3569.4	3560.9	3548.3	3548.8	3562.6	3574.5	3580.4	3586.4	3580.4	3574.5	3562.6
5°	3454.9	3440.6	3421.9	3417.9	3428.5	3438.6	3446.9	3455.3	3446.9	3438.6	3428.5
7.5°	3195.1	3180.2	3159.5	3154.2	3164.3	3171.2	3168.5	3165.8	3168.5	3171.2	3164.3
10°	2947.0	2943.7	2936.8	2934.0	2935.1	2935.5	2933.5	2931.5	2933.5	2935.5	2935.1
12.5°	2668.3	2659.7	2649.4	2651.7	2666.6	2675.8	2667.8	2659.8	2667.8	2675.8	2666.6
15°	2227.1	2216.9	2203.1	2210.5	2239.3	2257.6	2244.7	2231.7	2244.7	2257.6	2239.3
17.5°	1799.9	1798.2	1795.6	1801.6	1816.3	1827.6	1828.9	1830.3	1828.9	1827.6	1816.3
20°	1530.4	1531.6	1533.6	1540.8	1553.1	1562.9	1564.9	1566.9	1564.9	1562.9	1553.1
22.5°	1313.3	1316.5	1321.5	1326.2	1330.5	1334.6	1338.0	1341.4	1338.0	1334.6	1330.5
25°	1042.9	1039.2	1032.3	1032.9	1041.0	1049.7	1060.6	1071.6	1060.6	1049.7	1041.0
27.5°	846.3	845.4	844.7	847.7	854.6	859.8	859.9	860.1	859.9	859.8	854.6
30°	742.2	742.8	742.5	745.7	752.3	757.8	759.8	761.8	759.8	757.8	752.3
32.5°	654.8	656.8	658.3	663.2	671.4	677.2	675.8	674.4	675.8	677.2	671.4
35°	536.5	540.0	544.3	549.6	555.9	560.7	560.7	560.7	560.7	560.7	555.9
37.5°	429.7	434.9	441.0	446.3	450.7	454.2	454.8	455.3	454.8	454.2	450.7
40°	360.7	367.1	374.6	379.8	382.6	385.1	386.6	388.0	386.6	385.1	382.6
42.5°	295.6	302.4	309.9	315.1	318.0	319.1	315.3	311.4	315.3	319.1	318.0
45°	198.6	211.5	220.1	223.3	221.0	215.2	199.1	183.0	199.1	215.2	221.0
47.5°	93.4	115.7	138.4	142.8	128.9	114.0	96.3	78.6	96.3	114.0	128.9
50°	46.1	69.8	98.3	102.5	82.3	63.8	50.0	36.2	50.0	63.8	82.3
52.5°	27.0	46.7	71.3	73.1	52.3	35.0	28.1	21.2	28.1	35.0	52.3
55°	11.1	21.3	34.3	34.8	23.1	13.7	11.4	9.1	11.4	13.7	23.1
57.5°	4.8	8.5	13.1	13.4	9.3	5.9	4.6	3.4	4.6	5.9	9.3
60°	1.8	3.7	6.0	6.1	4.1	2.4	1.9	1.3	1.9	2.4	4.1
62.5°	0.8	1.8	2.9	2.9	1.9	0.9	0.6	0.3	0.6	0.9	1.9
65°	0.0	0.2	0.5	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.2
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	5.4	5.1	5.1	4.9	4.1	3.1	1.8	0.8	1.8	2.8	4.6
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: P1427615

CATALOG NUMBER: SQ2W-BBN-K-100U-050D-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: P1427615

CATALOG NUMBER: SQ2W-BBN-K-100U-050D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	3588.5	3588.5	3588.5	3588.5	3588.5	3588.5	3588.5	3588.5	3588.5	3588.5	3588.5
2.5°	3548.8	3548.3	3560.9	3569.4	3565.5	3561.6	3565.5	3569.4	3560.9	3548.3	3548.8
5°	3417.9	3421.9	3440.6	3454.9	3456.1	3457.2	3456.1	3454.9	3440.6	3421.9	3417.9
7.5°	3154.2	3159.5	3180.2	3195.1	3192.9	3190.6	3192.9	3195.1	3180.2	3159.5	3154.2
10°	2934.0	2936.8	2943.7	2947.0	2939.2	2931.5	2939.2	2947.0	2943.7	2936.8	2934.0
12.5°	2651.7	2649.4	2659.7	2668.3	2671.6	2674.8	2671.6	2668.3	2659.7	2649.4	2651.7
15°	2210.5	2203.1	2216.9	2227.1	2226.8	2226.6	2226.8	2227.1	2216.9	2203.1	2210.5
17.5°	1801.6	1795.6	1798.2	1799.9	1799.1	1798.2	1799.1	1799.9	1798.2	1795.6	1801.6
20°	1540.8	1533.6	1531.6	1530.4	1531.9	1533.3	1531.9	1530.4	1531.6	1533.6	1540.8
22.5°	1326.2	1321.5	1316.5	1313.3	1315.2	1317.1	1315.2	1313.3	1316.5	1321.5	1326.2
25°	1032.9	1032.3	1039.2	1042.9	1036.9	1030.8	1036.9	1042.9	1039.2	1032.3	1032.9
27.5°	847.7	844.7	845.4	846.3	847.4	848.6	847.4	846.3	845.4	844.7	847.7
30°	745.7	742.5	742.8	742.2	738.7	735.3	738.7	742.2	742.8	742.5	745.7
32.5°	663.2	658.3	656.8	654.8	651.3	647.9	651.3	654.8	656.8	658.3	663.2
35°	549.6	544.3	540.0	536.5	535.7	534.8	535.7	536.5	540.0	544.3	549.6
37.5°	446.3	441.0	434.9	429.7	427.5	425.3	427.5	429.7	434.9	441.0	446.3
40°	379.8	374.6	367.1	360.7	357.5	354.4	357.5	360.7	367.1	374.6	379.8
42.5°	315.1	309.9	302.4	295.6	290.9	286.1	290.9	295.6	302.4	309.9	315.1
45°	223.3	220.1	211.5	198.6	173.0	147.4	173.0	198.6	211.5	220.1	223.3
47.5°	142.8	138.4	115.7	93.4	72.1	50.8	72.1	93.4	115.7	138.4	142.8
50°	102.5	98.3	69.8	46.1	36.3	26.5	36.3	46.1	69.8	98.3	102.5
52.5°	73.1	71.3	46.7	27.0	21.9	16.7	21.9	27.0	46.7	71.3	73.1
55°	34.8	34.3	21.3	11.1	9.1	7.1	9.1	11.1	21.3	34.3	34.8
57.5°	13.4	13.1	8.5	4.8	3.8	2.7	3.8	4.8	8.5	13.1	13.4
60°	6.1	6.0	3.7	1.8	1.2	0.6	1.2	1.8	3.7	6.0	6.1
62.5°	2.9	2.9	1.8	0.8	0.5	0.1	0.5	0.8	1.8	2.9	2.9
65°	0.5	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.5
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	5.9	7.7	9.5	10.5	11.6	11.1	11.6	10.5	9.5	7.7	5.9
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	333.4	318.3	293.1	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: P1427615

CATALOG NUMBER: SQ2W-BBN-K-100U-050D-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: P1427615

CATALOG NUMBER: SQ2W-BBN-K-100U-050D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	3588.5	3588.5	3588.5	3588.5
2.5°	3562.6	3574.5	3580.4	3586.4
5°	3428.5	3438.6	3446.9	3455.3
7.5°	3164.3	3171.2	3168.5	3165.8
10°	2935.1	2935.5	2933.5	2931.5
12.5°	2666.6	2675.8	2667.8	2659.8
15°	2239.3	2257.6	2244.7	2231.7
17.5°	1816.3	1827.6	1828.9	1830.3
20°	1553.1	1562.9	1564.9	1566.9
22.5°	1330.5	1334.6	1338.0	1341.4
25°	1041.0	1049.7	1060.6	1071.6
27.5°	854.6	859.8	859.9	860.1
30°	752.3	757.8	759.8	761.8
32.5°	671.4	677.2	675.8	674.4
35°	555.9	560.7	560.7	560.7
37.5°	450.7	454.2	454.8	455.3
40°	382.6	385.1	386.6	388.0
42.5°	318.0	319.1	315.3	311.4
45°	221.0	215.2	199.1	183.0
47.5°	128.9	114.0	96.3	78.6
50°	82.3	63.8	50.0	36.2
52.5°	52.3	35.0	28.1	21.2
55°	23.1	13.7	11.4	9.1
57.5°	9.3	5.9	4.6	3.4
60°	4.1	2.4	1.9	1.3
62.5°	1.9	0.9	0.6	0.3
65°	0.2	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0
87.5°	4.6	2.8	1.8	0.8
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: P1427615

CATALOG NUMBER: SQ2W-BBN-K-100U-050D-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: P1427615  
 CATALOG NUMBER: SQ2W-BBN-K-100U-050D-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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	12H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4H	2H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	12H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8H	4H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	12H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12H	4H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00