

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: P1427616

Luminaire Tested: SQ2W-BBN-K-100U-050D-L935-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1427616  
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-L935-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: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

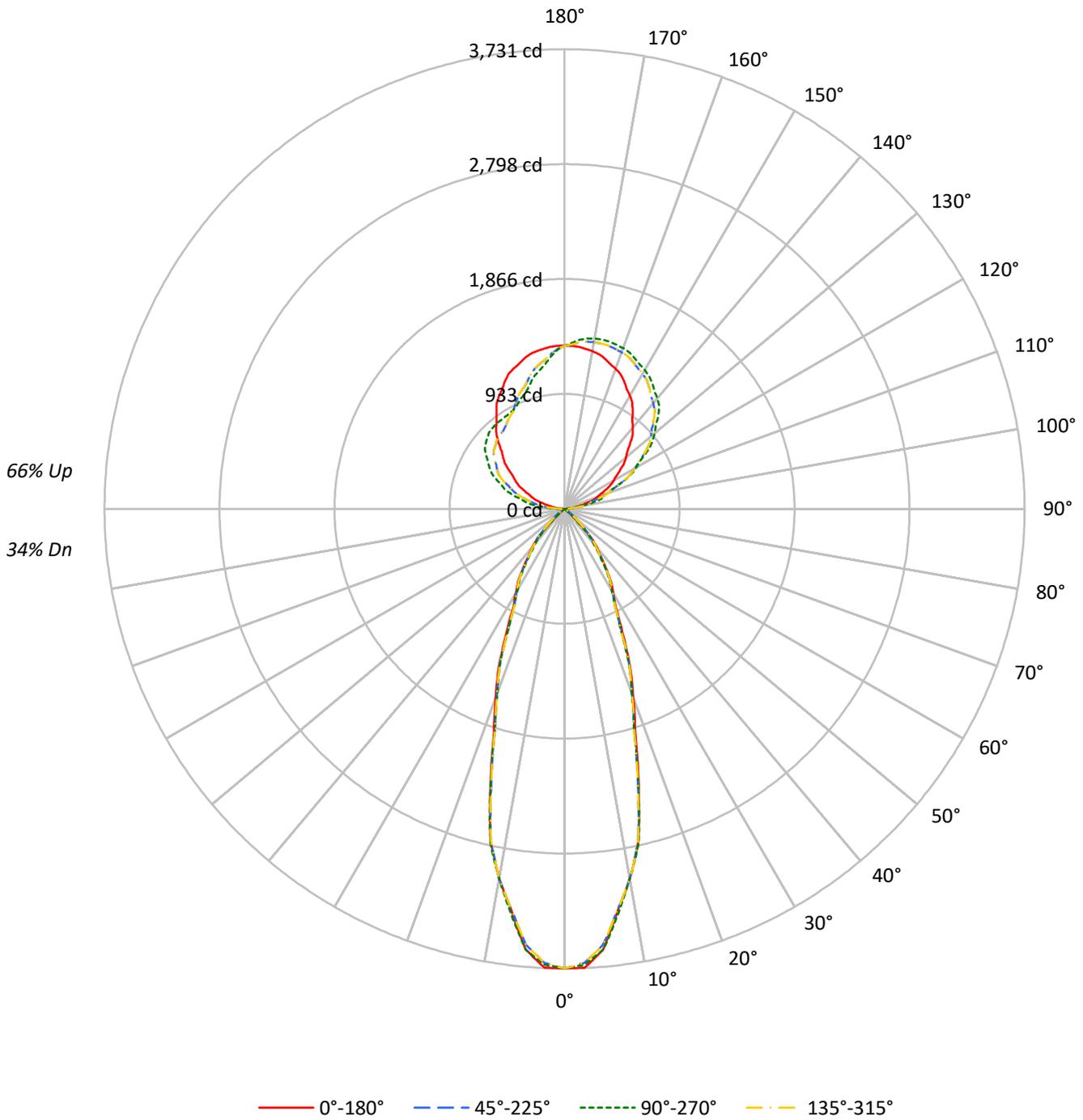
Lumens per Lamp: N/A  
Luminaire Lumens: 5888.6 lumens  
Efficiency: N/A  
Efficacy: 115.0 lumens/watt  
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.62  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

Input Watts (W): 51.2  
Input Voltage (V): 120  
Input Current (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

TEST NUMBER: P1427616

CATALOG NUMBER: SQ2W-BBN-K-100U-050D-L935-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	32				
2	89	83	78	74	81	76	71	68	62	59	57	49	47	46	37	36	35	30				
3	83	75	69	64	75	68	63	59	56	53	50	45	43	41	35	34	33	28				
4	77	68	61	56	70	62	57	52	52	48	45	42	40	37	33	31	30	26				
5	71	62	55	50	65	57	51	47	48	44	40	39	36	34	31	29	28	25				
6	67	57	50	45	61	52	46	42	44	40	37	36	34	32	29	28	26	23				
7	62	52	45	41	57	48	42	38	41	37	34	34	31	29	28	26	25	22				
8	59	48	41	37	54	45	39	35	38	34	31	32	29	27	26	25	23	21				
9	55	45	38	34	51	42	36	32	36	32	29	30	27	25	25	23	22	20				
10	52	42	35	31	48	39	33	30	33	29	27	28	26	24	24	22	21	19				

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

	0°	90°	180°	270°
0°	60239	60239	60239	60239
5°	58224	58257	58224	58257
10°	49969	49969	49969	49969
15°	38786	38695	38786	38695
20°	27992	27391	27992	27391
25°	19847	19094	19847	19094
30°	14767	14253	14767	14253
35°	11491	10961	11491	10961
40°	8502	7767	8502	7767
45°	4345	3500	4345	3500
50°	947	693	947	693
55°	265	208	265	208
60°	42	23	42	23
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: 5300 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	322.6	5.5
10°-20°	636.1	10.8
20°-30°	513.1	8.7
30°-40°	356.5	6.1
40°-50°	164.7	2.8
50°-60°	23.1	0.4
60°-70°	0.8	0.0
70°-80°	0.0	0.0
80°-90°	7.0	0.1
90°-100°	105.4	1.8
100°-110°	307.3	5.2
110°-120°	501.5	8.5
120°-130°	636.4	10.8
130°-140°	681.0	11.6
140°-150°	635.9	10.8
150°-160°	523.2	8.9
160°-170°	350.9	6.0
170°-180°	124.6	2.1
0°-30°	1471.8	25.0
0°-40°	1828.3	31.0
0°-60°	2016.0	34.2
0°-90°	2023.8	34.4
90°-120°	914.2	15.5
90°-150°	2867.5	48.7
90°-180°	3866.0	65.7
0°-180°	5888.6	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3731	3731	3731	3731	3731	
5°	3592	3594	3592	3594	3592	323
15°	2320	2315	2320	2315	2320	639
25°	1114	1072	1114	1072	1114	522
35°	583	556	583	556	583	365
45°	190	153	190	153	190	154
55°	9	7	9	7	9	12
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	4	29	4	58	4	3
95°	42	31	42	181	42	50
105°	195	313	195	431	195	208
115°	374	519	374	639	374	369
125°	554	823	554	784	554	495
135°	753	1077	753	868	753	582
145°	962	1241	962	887	962	602
155°	1142	1348	1142	920	1142	525
165°	1263	1406	1263	1059	1263	355
175°	1320	1376	1320	1243	1320	125
180°	1324	1324	1324	1324	1324	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	3731.0	3731.0	3731.0	3731.0	3731.0	3731.0	3731.0	3731.0	3731.0	3731.0	3731.0
2.5°	3728.9	3722.7	3716.4	3704.1	3689.8	3689.2	3702.3	3711.2	3707.1	3703.1	3707.1
5°	3592.5	3583.8	3575.2	3564.7	3553.7	3557.8	3577.3	3592.1	3593.3	3594.5	3593.3
7.5°	3291.6	3294.4	3297.2	3290.0	3279.5	3285.0	3306.5	3322.0	3319.7	3317.4	3319.7
10°	3047.9	3050.0	3052.1	3051.7	3050.5	3053.5	3060.7	3064.0	3056.0	3047.9	3056.0
12.5°	2765.5	2773.8	2782.1	2772.5	2757.0	2754.6	2765.4	2774.3	2777.7	2781.1	2777.7
15°	2320.4	2333.8	2347.3	2328.2	2298.3	2290.6	2304.9	2315.6	2315.3	2315.0	2315.3
17.5°	1903.0	1901.6	1900.2	1888.4	1873.2	1866.9	1869.6	1871.4	1870.5	1869.6	1870.5
20°	1629.2	1627.1	1625.0	1614.8	1602.0	1594.5	1592.4	1591.2	1592.7	1594.2	1592.7
22.5°	1394.6	1391.1	1387.6	1383.3	1378.9	1374.0	1368.8	1365.4	1367.4	1369.4	1367.4
25°	1114.1	1102.8	1091.4	1082.3	1073.9	1073.3	1080.5	1084.3	1078.0	1071.8	1078.0
27.5°	894.3	894.1	893.9	888.5	881.4	878.2	879.0	879.9	881.1	882.3	881.1
30°	792.1	790.0	787.9	782.2	775.3	772.0	772.3	771.7	768.1	764.5	768.1
32.5°	701.2	702.6	704.1	698.1	689.6	684.5	682.9	680.8	677.2	673.6	677.2
35°	583.0	583.0	583.0	578.0	571.4	565.9	561.4	557.8	557.0	556.1	557.0
37.5°	473.4	472.8	472.3	468.6	464.0	458.5	452.2	446.8	444.5	442.2	444.5
40°	403.4	401.9	400.4	397.8	394.8	389.5	381.7	375.0	371.8	368.5	371.8
42.5°	323.8	327.8	331.8	330.6	327.6	322.2	314.4	307.4	302.4	297.5	302.4
45°	190.3	207.0	223.8	229.7	232.1	228.8	219.9	206.5	179.9	153.3	179.9
47.5°	81.8	100.2	118.6	134.0	148.5	143.9	120.3	97.1	75.0	52.8	75.0
50°	37.7	52.0	66.3	85.6	106.5	102.2	72.6	47.9	37.7	27.6	37.7
52.5°	22.1	29.2	36.4	54.4	76.1	74.1	48.6	28.1	22.7	17.3	22.7
55°	9.4	11.8	14.2	24.0	36.2	35.6	22.2	11.6	9.5	7.4	9.5
57.5°	3.5	4.8	6.1	9.6	13.9	13.6	8.8	5.0	3.9	2.8	3.9
60°	1.3	1.9	2.5	4.3	6.4	6.2	3.8	1.9	1.3	0.7	1.3
62.5°	0.3	0.6	1.0	1.9	3.1	3.0	1.8	0.9	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	1.9	3.2	4.3	5.1	5.4	5.4	5.6	5.9	5.9	5.9
90°	4.0	9.4	16.1	21.4	25.4	26.8	26.8	28.1	29.4	29.4	29.4
92.5°	14.7	23.3	23.5	23.5	28.6	31.0	33.2	33.4	34.8	34.8	34.8
95°	41.5	45.5	68.2	66.9	45.5	36.1	30.8	30.8	30.8	30.8	30.8
97.5°	79.2	85.1	88.8	119.0	125.7	121.4	99.0	83.2	74.4	70.4	74.4
100°	112.4	115.0	123.1	124.4	157.8	189.9	173.9	153.8	147.1	143.1	147.1
102.5°	145.5	147.1	159.4	165.1	172.8	191.0	246.6	240.5	235.9	235.1	235.9
105°	195.3	196.6	219.4	230.1	235.4	235.4	234.1	260.8	303.6	313.0	303.6
107.5°	248.5	254.7	281.4	310.0	316.2	317.8	310.8	306.8	305.2	306.3	305.2
110°	284.9	294.3	326.4	362.5	371.8	374.5	371.8	367.8	365.1	365.1	365.1



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	320.2	333.9	370.2	411.7	427.5	435.5	429.6	426.7	424.0	426.1	424.0
115°	374.5	394.6	442.7	485.5	517.6	521.6	520.3	520.3	519.0	519.0	519.0
117.5°	424.8	456.9	510.9	560.7	597.9	608.6	613.9	612.3	610.7	613.4	610.7
120°	460.1	497.6	559.1	615.3	651.4	667.4	672.8	670.1	672.8	670.1	672.8
122.5°	497.6	543.6	604.0	662.4	704.9	723.1	729.5	730.0	730.6	729.0	730.6
125°	553.7	609.9	680.8	741.0	785.1	806.5	811.9	813.2	815.9	822.6	815.9
127.5°	610.5	674.1	752.0	810.0	855.2	881.2	889.5	892.4	898.0	901.0	898.0
130°	650.0	722.3	801.2	856.0	900.2	928.3	943.0	947.0	953.7	952.3	953.7
132.5°	691.8	767.2	847.2	904.2	945.1	975.3	987.9	999.4	1001.8	1003.7	1001.8
135°	753.0	834.6	914.9	971.1	1009.8	1039.3	1055.3	1066.0	1072.7	1076.7	1072.7
137.5°	817.5	903.6	980.7	1030.7	1069.8	1095.2	1113.4	1124.6	1131.6	1134.8	1131.6
140°	861.4	944.3	1019.2	1071.4	1106.1	1131.6	1147.6	1161.0	1169.0	1169.0	1169.0
142.5°	903.1	985.0	1057.7	1109.9	1140.4	1163.7	1180.8	1190.9	1200.0	1200.0	1200.0
145°	961.7	1043.3	1110.2	1162.3	1187.7	1209.1	1227.9	1235.9	1241.2	1241.2	1241.2
147.5°	1023.0	1095.2	1156.2	1206.2	1227.6	1252.7	1267.5	1273.9	1280.6	1277.6	1280.6
150°	1059.3	1126.2	1185.1	1231.9	1253.3	1277.4	1292.1	1297.4	1304.1	1300.1	1304.1
152.5°	1094.6	1158.3	1211.8	1255.4	1273.6	1297.7	1314.5	1319.9	1324.4	1321.5	1324.4
155°	1142.3	1198.4	1247.9	1288.1	1304.1	1326.8	1342.9	1349.6	1354.9	1348.2	1354.9
157.5°	1184.8	1233.2	1276.3	1313.2	1330.3	1349.9	1364.8	1373.1	1378.5	1375.5	1378.5
160°	1210.5	1254.6	1293.4	1328.2	1344.2	1361.6	1377.7	1387.0	1392.4	1388.4	1392.4
162.5°	1231.9	1271.7	1308.4	1340.0	1353.9	1369.1	1388.4	1396.7	1402.0	1396.9	1402.0
165°	1262.6	1294.7	1326.8	1353.6	1365.6	1377.7	1397.7	1407.1	1411.1	1405.8	1411.1
167.5°	1285.9	1310.5	1336.5	1359.5	1368.3	1380.1	1400.1	1407.9	1413.0	1406.3	1413.0
170°	1298.8	1320.2	1342.9	1361.6	1368.3	1379.0	1399.1	1405.8	1409.8	1403.1	1409.8
172.5°	1309.5	1325.5	1344.0	1360.6	1364.0	1372.6	1391.6	1398.3	1401.2	1395.6	1401.2
175°	1320.2	1329.5	1342.9	1353.6	1352.3	1357.6	1373.7	1379.0	1384.4	1376.3	1384.4
177.5°	1325.2	1329.5	1333.8	1340.2	1335.9	1335.9	1347.7	1350.9	1352.0	1347.7	1352.0
180°	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2



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**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	3731.0	3731.0	3731.0	3731.0	3731.0	3731.0	3731.0	3731.0	3731.0	3731.0	3731.0
2.5°	3711.2	3702.3	3689.2	3689.8	3704.1	3716.4	3722.7	3728.9	3722.7	3716.4	3704.1
5°	3592.1	3577.3	3557.8	3553.7	3564.7	3575.2	3583.8	3592.5	3583.8	3575.2	3564.7
7.5°	3322.0	3306.5	3285.0	3279.5	3290.0	3297.2	3294.4	3291.6	3294.4	3297.2	3290.0
10°	3064.0	3060.7	3053.5	3050.5	3051.7	3052.1	3050.0	3047.9	3050.0	3052.1	3051.7
12.5°	2774.3	2765.4	2754.6	2757.0	2772.5	2782.1	2773.8	2765.5	2773.8	2782.1	2772.5
15°	2315.6	2304.9	2290.6	2298.3	2328.2	2347.3	2333.8	2320.4	2333.8	2347.3	2328.2
17.5°	1871.4	1869.6	1866.9	1873.2	1888.4	1900.2	1901.6	1903.0	1901.6	1900.2	1888.4
20°	1591.2	1592.4	1594.5	1602.0	1614.8	1625.0	1627.1	1629.2	1627.1	1625.0	1614.8
22.5°	1365.4	1368.8	1374.0	1378.9	1383.3	1387.6	1391.1	1394.6	1391.1	1387.6	1383.3
25°	1084.3	1080.5	1073.3	1073.9	1082.3	1091.4	1102.8	1114.1	1102.8	1091.4	1082.3
27.5°	879.9	879.0	878.2	881.4	888.5	893.9	894.1	894.3	894.1	893.9	888.5
30°	771.7	772.3	772.0	775.3	782.2	787.9	790.0	792.1	790.0	787.9	782.2
32.5°	680.8	682.9	684.5	689.6	698.1	704.1	702.6	701.2	702.6	704.1	698.1
35°	557.8	561.4	565.9	571.4	578.0	583.0	583.0	583.0	583.0	583.0	578.0
37.5°	446.8	452.2	458.5	464.0	468.6	472.3	472.8	473.4	472.8	472.3	468.6
40°	375.0	381.7	389.5	394.8	397.8	400.4	401.9	403.4	401.9	400.4	397.8
42.5°	307.4	314.4	322.2	327.6	330.6	331.8	327.8	323.8	327.8	331.8	330.6
45°	206.5	219.9	228.8	232.1	229.7	223.8	207.0	190.3	207.0	223.8	229.7
47.5°	97.1	120.3	143.9	148.5	134.0	118.6	100.2	81.8	100.2	118.6	134.0
50°	47.9	72.6	102.2	106.5	85.6	66.3	52.0	37.7	52.0	66.3	85.6
52.5°	28.1	48.6	74.1	76.1	54.4	36.4	29.2	22.1	29.2	36.4	54.4
55°	11.6	22.2	35.6	36.2	24.0	14.2	11.8	9.4	11.8	14.2	24.0
57.5°	5.0	8.8	13.6	13.9	9.6	6.1	4.8	3.5	4.8	6.1	9.6
60°	1.9	3.8	6.2	6.4	4.3	2.5	1.9	1.3	1.9	2.5	4.3
62.5°	0.9	1.8	3.0	3.1	1.9	1.0	0.6	0.3	0.6	1.0	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°	5.6	5.4	5.4	5.1	4.3	3.2	1.9	0.8	1.9	2.9	4.8
90°	28.1	26.8	26.8	25.4	21.4	16.1	9.4	4.0	9.4	14.7	24.1
92.5°	33.4	33.2	31.0	28.6	23.5	23.5	23.3	14.7	25.4	36.1	51.9
95°	30.8	30.8	36.1	45.5	66.9	68.2	45.5	41.5	58.9	82.9	104.3
97.5°	83.2	99.0	121.4	125.7	119.0	88.8	85.1	79.2	107.8	131.6	166.1
100°	153.8	173.9	189.9	157.8	124.4	123.1	115.0	112.4	143.1	165.9	199.3
102.5°	240.5	246.6	191.0	172.8	165.1	159.4	147.1	145.5	176.3	207.6	235.7
105°	260.8	234.1	235.4	235.4	230.1	219.4	196.6	195.3	230.1	266.2	300.9
107.5°	306.8	310.8	317.8	316.2	310.0	281.4	254.7	248.5	279.8	323.2	361.4
110°	367.8	371.8	374.5	371.8	362.5	326.4	294.3	284.9	313.0	358.5	399.9



TEST NUMBER: P1427616

CATALOG NUMBER: SQ2W-BBN-K-100U-050D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	426.7	429.6	435.5	427.5	411.7	370.2	333.9	320.2	348.3	394.8	437.4
115°	520.3	520.3	521.6	517.6	485.5	442.7	394.6	374.5	398.6	441.4	488.2
117.5°	612.3	613.9	608.6	597.9	560.7	510.9	456.9	424.8	443.8	489.0	537.2
120°	670.1	672.8	667.4	651.4	615.3	559.1	497.6	460.1	474.8	519.0	567.1
122.5°	730.0	729.5	723.1	704.9	662.4	604.0	543.6	497.6	503.7	544.6	591.7
125°	813.2	811.9	806.5	785.1	741.0	680.8	609.9	553.7	545.7	580.5	628.6
127.5°	892.4	889.5	881.2	855.2	810.0	752.0	674.1	610.5	592.5	614.5	658.6
130°	947.0	943.0	928.3	900.2	856.0	801.2	722.3	650.0	624.6	638.0	676.8
132.5°	999.4	987.9	975.3	945.1	904.2	847.2	767.2	691.8	656.7	662.6	692.8
135°	1066.0	1055.3	1039.3	1009.8	971.1	914.9	834.6	753.0	704.9	699.5	716.9
137.5°	1124.6	1113.4	1095.2	1069.8	1030.7	980.7	903.6	817.5	756.8	738.9	745.5
140°	1161.0	1147.6	1131.6	1106.1	1071.4	1019.2	944.3	861.4	793.2	767.8	763.7
142.5°	1190.9	1180.8	1163.7	1140.4	1109.9	1057.7	985.0	903.1	830.6	797.7	788.3
145°	1235.9	1227.9	1209.1	1187.7	1162.3	1110.2	1043.3	961.7	889.5	846.7	826.6
147.5°	1273.9	1267.5	1252.7	1227.6	1206.2	1156.2	1095.2	1023.0	948.9	895.9	869.9
150°	1297.4	1292.1	1277.4	1253.3	1231.9	1185.1	1126.2	1059.3	988.4	932.3	898.8
152.5°	1319.9	1314.5	1297.7	1273.6	1255.4	1211.8	1158.3	1094.6	1022.7	966.5	932.0
155°	1349.6	1342.9	1326.8	1304.1	1288.1	1247.9	1198.4	1142.3	1080.7	1021.9	983.1
157.5°	1373.1	1364.8	1349.9	1330.3	1313.2	1276.3	1233.2	1184.8	1131.0	1074.9	1035.3
160°	1387.0	1377.7	1361.6	1344.2	1328.2	1293.4	1254.6	1210.5	1161.0	1110.2	1067.4
162.5°	1396.7	1388.4	1369.1	1353.9	1340.0	1308.4	1271.7	1231.9	1187.7	1143.3	1103.7
165°	1407.1	1397.7	1377.7	1365.6	1353.6	1326.8	1294.7	1262.6	1225.2	1189.1	1157.0
167.5°	1407.9	1400.1	1380.1	1368.3	1359.5	1336.5	1310.5	1285.9	1256.8	1228.4	1201.7
170°	1405.8	1399.1	1379.0	1368.3	1361.6	1342.9	1320.2	1298.8	1276.0	1251.9	1230.5
172.5°	1398.3	1391.6	1372.6	1364.0	1360.6	1344.0	1325.5	1309.5	1289.9	1272.3	1255.2
175°	1379.0	1373.7	1357.6	1352.3	1353.6	1342.9	1329.5	1320.2	1308.1	1297.4	1288.1
177.5°	1350.9	1347.7	1335.9	1335.9	1340.2	1333.8	1329.5	1325.2	1319.9	1316.7	1313.5
180°	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2



TEST NUMBER: P1427616

CATALOG NUMBER: SQ2W-BBN-K-100U-050D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	3731.0	3731.0	3731.0	3731.0	3731.0	3731.0	3731.0	3731.0	3731.0	3731.0	3731.0
2.5°	3689.8	3689.2	3702.3	3711.2	3707.1	3703.1	3707.1	3711.2	3702.3	3689.2	3689.8
5°	3553.7	3557.8	3577.3	3592.1	3593.3	3594.5	3593.3	3592.1	3577.3	3557.8	3553.7
7.5°	3279.5	3285.0	3306.5	3322.0	3319.7	3317.4	3319.7	3322.0	3306.5	3285.0	3279.5
10°	3050.5	3053.5	3060.7	3064.0	3056.0	3047.9	3056.0	3064.0	3060.7	3053.5	3050.5
12.5°	2757.0	2754.6	2765.4	2774.3	2777.7	2781.1	2777.7	2774.3	2765.4	2754.6	2757.0
15°	2298.3	2290.6	2304.9	2315.6	2315.3	2315.0	2315.3	2315.6	2304.9	2290.6	2298.3
17.5°	1873.2	1866.9	1869.6	1871.4	1870.5	1869.6	1870.5	1871.4	1869.6	1866.9	1873.2
20°	1602.0	1594.5	1592.4	1591.2	1592.7	1594.2	1592.7	1591.2	1592.4	1594.5	1602.0
22.5°	1378.9	1374.0	1368.8	1365.4	1367.4	1369.4	1367.4	1365.4	1368.8	1374.0	1378.9
25°	1073.9	1073.3	1080.5	1084.3	1078.0	1071.8	1078.0	1084.3	1080.5	1073.3	1073.9
27.5°	881.4	878.2	879.0	879.9	881.1	882.3	881.1	879.9	879.0	878.2	881.4
30°	775.3	772.0	772.3	771.7	768.1	764.5	768.1	771.7	772.3	772.0	775.3
32.5°	689.6	684.5	682.9	680.8	677.2	673.6	677.2	680.8	682.9	684.5	689.6
35°	571.4	565.9	561.4	557.8	557.0	556.1	557.0	557.8	561.4	565.9	571.4
37.5°	464.0	458.5	452.2	446.8	444.5	442.2	444.5	446.8	452.2	458.5	464.0
40°	394.8	389.5	381.7	375.0	371.8	368.5	371.8	375.0	381.7	389.5	394.8
42.5°	327.6	322.2	314.4	307.4	302.4	297.5	302.4	307.4	314.4	322.2	327.6
45°	232.1	228.8	219.9	206.5	179.9	153.3	179.9	206.5	219.9	228.8	232.1
47.5°	148.5	143.9	120.3	97.1	75.0	52.8	75.0	97.1	120.3	143.9	148.5
50°	106.5	102.2	72.6	47.9	37.7	27.6	37.7	47.9	72.6	102.2	106.5
52.5°	76.1	74.1	48.6	28.1	22.7	17.3	22.7	28.1	48.6	74.1	76.1
55°	36.2	35.6	22.2	11.6	9.5	7.4	9.5	11.6	22.2	35.6	36.2
57.5°	13.9	13.6	8.8	5.0	3.9	2.8	3.9	5.0	8.8	13.6	13.9
60°	6.4	6.2	3.8	1.9	1.3	0.7	1.3	1.9	3.8	6.2	6.4
62.5°	3.1	3.0	1.8	0.9	0.5	0.1	0.5	0.9	1.8	3.0	3.1
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°	6.2	8.0	9.9	11.0	12.0	11.5	12.0	11.0	9.9	8.0	6.2
90°	30.8	40.1	49.5	54.8	60.2	57.5	60.2	54.8	49.5	40.1	30.8
92.5°	61.8	77.6	89.1	98.7	103.0	102.5	103.0	98.7	89.1	77.6	61.8
95°	124.4	143.1	161.8	175.2	183.2	180.6	183.2	175.2	161.8	143.1	124.4
97.5°	191.8	216.9	237.8	250.4	258.4	263.8	258.4	250.4	237.8	216.9	191.8
100°	236.7	260.8	284.9	299.6	313.0	318.3	313.0	299.6	284.9	260.8	236.7
102.5°	273.1	304.7	330.9	346.7	357.9	363.3	357.9	346.7	330.9	304.7	273.1
105°	333.0	366.5	394.6	414.6	426.7	430.7	426.7	414.6	394.6	366.5	333.0
107.5°	393.0	427.5	453.4	475.6	490.3	498.9	490.3	475.6	453.4	427.5	393.0
110°	440.1	468.1	496.2	516.3	531.0	536.4	531.0	516.3	496.2	468.1	440.1



TEST NUMBER: P1427616

CATALOG NUMBER: SQ2W-BBN-K-100U-050D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	479.6	510.9	539.0	559.1	575.9	583.4	575.9	559.1	539.0	510.9	479.6
115°	535.0	576.5	601.9	620.6	632.7	639.3	632.7	620.6	601.9	576.5	535.0
117.5°	581.0	624.4	652.2	666.6	672.3	677.1	672.3	666.6	652.2	624.4	581.0
120°	609.9	650.0	682.1	700.9	707.6	710.2	707.6	700.9	682.1	650.0	609.9
122.5°	636.7	674.7	705.7	728.7	739.7	742.3	739.7	728.7	705.7	674.7	636.7
125°	674.1	710.2	742.3	765.1	777.1	783.8	777.1	765.1	742.3	710.2	674.1
127.5°	706.8	745.8	775.2	795.8	807.6	813.0	807.6	795.8	775.2	745.8	706.8
130°	724.9	765.1	794.5	817.2	827.9	833.3	827.9	817.2	794.5	765.1	724.9
132.5°	738.9	781.1	811.6	832.2	844.0	849.3	844.0	832.2	811.6	781.1	738.9
135°	755.7	799.9	832.0	852.0	862.7	868.1	862.7	852.0	832.0	799.9	755.7
137.5°	770.4	810.6	844.0	865.1	874.8	878.2	874.8	865.1	844.0	810.6	770.4
140°	781.1	815.9	849.3	869.4	880.1	881.4	880.1	869.4	849.3	815.9	781.1
142.5°	795.0	822.3	851.5	871.5	882.2	884.7	882.2	871.5	851.5	822.3	795.0
145°	819.9	836.0	856.0	874.8	884.1	886.8	884.1	874.8	856.0	836.0	819.9
147.5°	851.2	856.3	866.7	879.0	888.1	890.0	888.1	879.0	866.7	856.3	851.2
150°	874.8	873.4	877.4	885.5	893.5	892.1	893.5	885.5	877.4	873.4	874.8
152.5°	901.5	893.7	893.5	897.2	901.0	900.7	901.0	897.2	893.5	893.7	901.5
155°	947.0	932.3	924.2	921.6	921.6	920.2	921.6	921.6	924.2	932.3	947.0
157.5°	997.0	976.4	964.4	957.9	956.1	953.1	956.1	957.9	964.4	976.4	997.0
160°	1031.2	1008.5	996.5	985.8	981.8	977.7	981.8	985.8	996.5	1008.5	1031.2
162.5°	1063.3	1041.7	1028.6	1018.9	1014.9	1008.8	1014.9	1018.9	1028.6	1041.7	1063.3
165°	1115.5	1092.8	1078.1	1070.0	1064.7	1059.3	1064.7	1070.0	1078.1	1092.8	1115.5
167.5°	1167.7	1142.8	1133.2	1124.1	1119.0	1109.4	1119.0	1124.1	1133.2	1142.8	1167.7
170°	1199.8	1177.0	1171.7	1163.7	1154.3	1143.6	1154.3	1163.7	1171.7	1177.0	1199.8
172.5°	1227.6	1212.4	1207.0	1199.0	1196.0	1187.5	1196.0	1199.0	1207.0	1212.4	1227.6
175°	1268.0	1256.0	1256.0	1254.6	1250.6	1242.6	1250.6	1254.6	1256.0	1256.0	1268.0
177.5°	1301.7	1295.3	1299.6	1299.6	1298.5	1291.0	1298.5	1299.6	1299.6	1295.3	1301.7
180°	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2



TEST NUMBER: P1427616

CATALOG NUMBER: SQ2W-BBN-K-100U-050D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	3731.0	3731.0	3731.0	3731.0
2.5°	3704.1	3716.4	3722.7	3728.9
5°	3564.7	3575.2	3583.8	3592.5
7.5°	3290.0	3297.2	3294.4	3291.6
10°	3051.7	3052.1	3050.0	3047.9
12.5°	2772.5	2782.1	2773.8	2765.5
15°	2328.2	2347.3	2333.8	2320.4
17.5°	1888.4	1900.2	1901.6	1903.0
20°	1614.8	1625.0	1627.1	1629.2
22.5°	1383.3	1387.6	1391.1	1394.6
25°	1082.3	1091.4	1102.8	1114.1
27.5°	888.5	893.9	894.1	894.3
30°	782.2	787.9	790.0	792.1
32.5°	698.1	704.1	702.6	701.2
35°	578.0	583.0	583.0	583.0
37.5°	468.6	472.3	472.8	473.4
40°	397.8	400.4	401.9	403.4
42.5°	330.6	331.8	327.8	323.8
45°	229.7	223.8	207.0	190.3
47.5°	134.0	118.6	100.2	81.8
50°	85.6	66.3	52.0	37.7
52.5°	54.4	36.4	29.2	22.1
55°	24.0	14.2	11.8	9.4
57.5°	9.6	6.1	4.8	3.5
60°	4.3	2.5	1.9	1.3
62.5°	1.9	1.0	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°	4.8	2.9	1.9	0.8
90°	24.1	14.7	9.4	4.0
92.5°	51.9	36.1	25.4	14.7
95°	104.3	82.9	58.9	41.5
97.5°	166.1	131.6	107.8	79.2
100°	199.3	165.9	143.1	112.4
102.5°	235.7	207.6	176.3	145.5
105°	300.9	266.2	230.1	195.3
107.5°	361.4	323.2	279.8	248.5
110°	399.9	358.5	313.0	284.9



TEST NUMBER: P1427616

CATALOG NUMBER: SQ2W-BBN-K-100U-050D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
112.5°	437.4	394.8	348.3	320.2
115°	488.2	441.4	398.6	374.5
117.5°	537.2	489.0	443.8	424.8
120°	567.1	519.0	474.8	460.1
122.5°	591.7	544.6	503.7	497.6
125°	628.6	580.5	545.7	553.7
127.5°	658.6	614.5	592.5	610.5
130°	676.8	638.0	624.6	650.0
132.5°	692.8	662.6	656.7	691.8
135°	716.9	699.5	704.9	753.0
137.5°	745.5	738.9	756.8	817.5
140°	763.7	767.8	793.2	861.4
142.5°	788.3	797.7	830.6	903.1
145°	826.6	846.7	889.5	961.7
147.5°	869.9	895.9	948.9	1023.0
150°	898.8	932.3	988.4	1059.3
152.5°	932.0	966.5	1022.7	1094.6
155°	983.1	1021.9	1080.7	1142.3
157.5°	1035.3	1074.9	1131.0	1184.8
160°	1067.4	1110.2	1161.0	1210.5
162.5°	1103.7	1143.3	1187.7	1231.9
165°	1157.0	1189.1	1225.2	1262.6
167.5°	1201.7	1228.4	1256.8	1285.9
170°	1230.5	1251.9	1276.0	1298.8
172.5°	1255.2	1272.3	1289.9	1309.5
175°	1288.1	1297.4	1308.1	1320.2
177.5°	1313.5	1316.7	1319.9	1325.2
180°	1324.2	1324.2	1324.2	1324.2



TEST NUMBER: P1427616  
 CATALOG NUMBER: SQ2W-BBN-K-100U-050D-L935-UNV-STD-W-WM-4

**CIE UGR TABLE:**

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	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