

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: P1427715

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

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1427715  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/10/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ2W-F-K-050U-100D-L935-UNV-STD-W-WM-4  
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE  
DOWNLIGHT - FROSTED CONTINUOUS ROLL LENS  
UPLIGHT - ASYMMETRIC ROLL LENS  
DOWNLIGHT 1000 LUMENS PER FOOT  
UPLIGHT 500 LUMENS PER FOOT  
Light Source: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

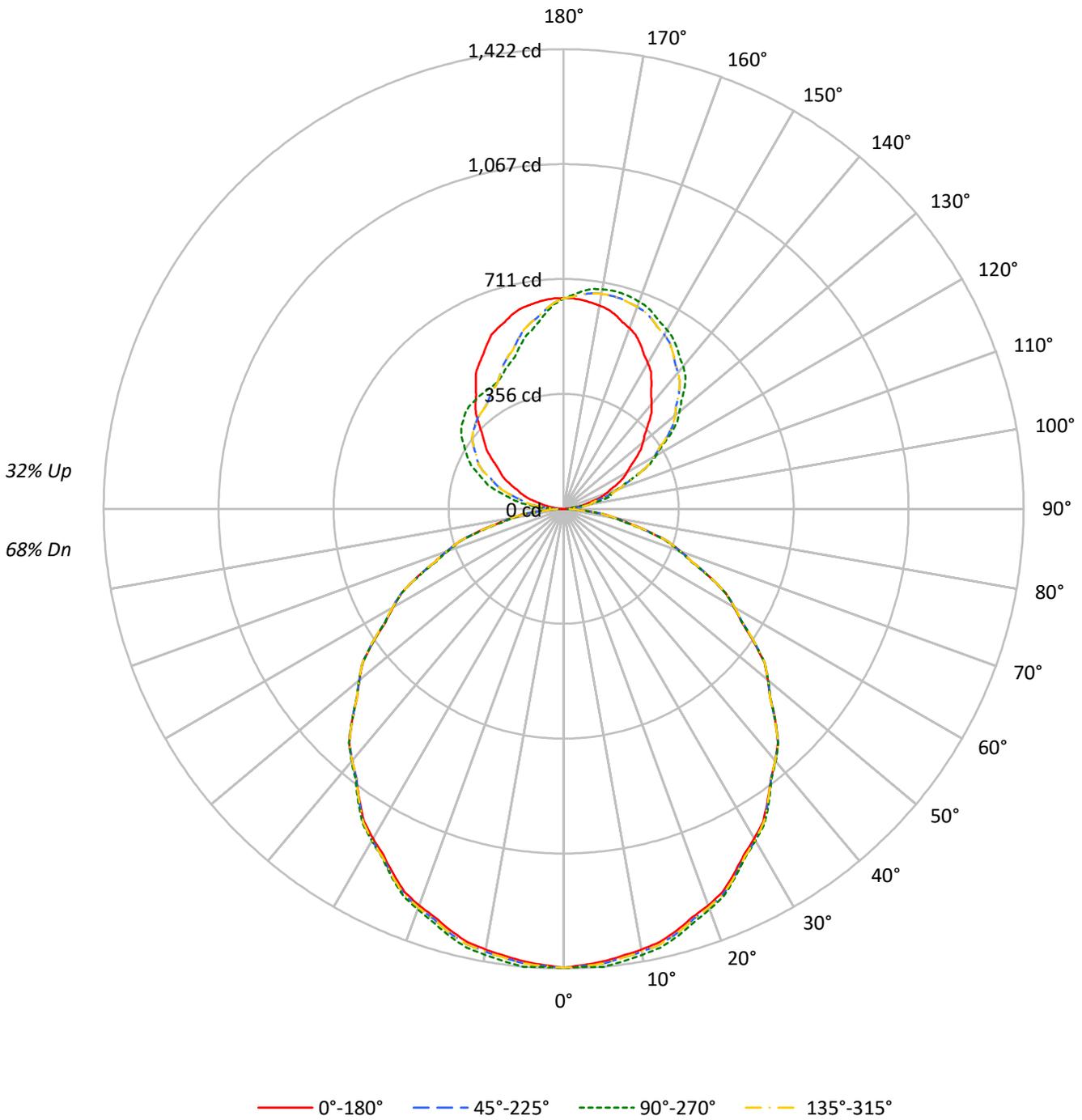
Lumens per Lamp: N/A  
Luminaire Lumens: 5899.8 lumens  
Efficiency: N/A  
Efficacy: 112.4 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.25 / 1.36  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: Semi-Direct

Input Watts (W): 52.5  
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-F-K-050U-100D-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	111	111	111	111	105	105	105	105	93	93	93	82	82	82	72	72	72	68				
1	102	97	93	89	96	92	88	85	82	79	76	72	70	68	64	62	61	57				
2	92	84	78	73	87	80	74	69	71	67	63	63	60	57	56	53	51	47				
3	84	74	66	60	79	70	63	58	63	57	53	56	51	48	49	46	43	40				
4	77	66	57	51	72	62	55	49	56	50	45	50	45	41	44	40	37	34				
5	71	58	50	44	66	55	48	42	50	43	39	44	39	35	39	35	32	29				
6	65	52	44	38	61	50	42	36	45	38	34	40	35	31	36	31	28	26				
7	60	47	39	33	57	45	37	32	41	34	30	36	31	27	33	28	25	23				
8	56	43	35	29	53	41	34	28	37	31	26	33	28	24	30	26	22	20				
9	52	39	32	26	49	38	30	25	34	28	24	31	26	22	28	23	20	18				
10	49	36	29	24	46	35	28	23	31	25	21	28	23	20	26	21	18	16				

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

	0°	90°	180°	270°
0°	22927	22927	22927	22927
5°	22787	23047	22787	23047
10°	22707	22969	22707	22969
15°	22582	22866	22582	22866
20°	22439	22663	22439	22663
25°	22197	22393	22197	22393
30°	21962	22111	21962	22111
35°	21681	21819	21681	21819
40°	21435	21498	21435	21498
45°	21121	21121	21121	21121
50°	20697	20747	20697	20747
55°	20211	20239	20211	20239
60°	19665	19665	19665	19665
65°	19025	18949	19025	18949
70°	18127	17938	18127	17938
75°	16905	16531	16905	16531
80°	15063	14319	15063	14319
85°	12041	10189	12041	10189

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 21262 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	134.4	2.3
10°-20°	383.9	6.5
20°-30°	577.9	9.8
30°-40°	691.1	11.7
40°-50°	713.6	12.1
50°-60°	643.6	10.9
60°-70°	493.0	8.4
70°-80°	285.0	4.8
80°-90°	76.7	1.3
90°-100°	51.8	0.9
100°-110°	151.1	2.6
110°-120°	246.5	4.2
120°-130°	312.9	5.3
130°-140°	334.8	5.7
140°-150°	312.6	5.3
150°-160°	257.2	4.4
160°-170°	172.5	2.9
170°-180°	61.3	1.0
0°-30°	1096.2	18.6
0°-40°	1787.2	30.3
0°-60°	3144.4	53.3
0°-90°	3999.1	67.8
90°-120°	449.4	7.6
90°-150°	1409.7	23.9
90°-180°	1901.0	32.2
0°-180°	5899.8	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1420	1420	1420	1420	1420	
5°	1406	1422	1406	1422	1406	133
15°	1351	1368	1351	1368	1351	381
25°	1246	1257	1246	1257	1246	574
35°	1100	1107	1100	1107	1100	688
45°	925	925	925	925	925	713
55°	718	719	718	719	718	642
65°	498	496	498	496	498	492
75°	271	265	271	265	271	287
85°	65	55	65	55	65	76
90°	2	14	2	28	2	4
95°	20	15	20	89	20	25
105°	96	154	96	212	96	102
115°	184	255	184	314	184	181
125°	272	404	272	385	272	244
135°	370	529	370	427	370	286
145°	473	610	473	436	473	296
155°	562	663	562	452	562	258
165°	621	691	621	521	621	175
175°	649	677	649	611	649	62
180°	651	651	651	651	651	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0
2.5°	1412.8	1419.6	1426.3	1423.5	1417.4	1415.1	1416.5	1417.8	1418.5	1419.2	1418.5
5°	1406.0	1414.9	1423.8	1420.7	1413.6	1410.4	1411.3	1413.1	1417.6	1422.0	1417.6
7.5°	1394.6	1403.5	1412.4	1409.5	1402.8	1399.9	1401.0	1403.0	1407.6	1412.2	1407.6
10°	1385.0	1393.9	1402.8	1399.7	1392.6	1389.9	1391.7	1393.9	1397.4	1401.0	1397.4
12.5°	1373.0	1381.9	1390.8	1388.2	1381.8	1379.1	1380.2	1382.0	1385.9	1389.8	1385.9
15°	1351.0	1359.9	1368.8	1366.3	1360.1	1357.7	1359.0	1360.9	1364.4	1368.0	1364.4
17.5°	1324.4	1332.8	1341.1	1338.9	1333.1	1331.0	1332.5	1334.4	1337.5	1340.6	1337.5
20°	1306.0	1314.0	1322.0	1319.7	1313.9	1311.2	1311.7	1312.8	1315.9	1319.0	1315.9
22.5°	1283.6	1291.6	1299.6	1297.5	1292.1	1288.9	1287.9	1288.2	1292.0	1295.8	1292.0
25°	1246.0	1254.0	1262.0	1260.3	1255.4	1252.3	1251.0	1250.8	1253.9	1257.0	1253.9
27.5°	1206.8	1213.5	1220.1	1218.7	1214.6	1212.2	1211.3	1211.2	1213.4	1215.6	1213.4
30°	1178.0	1184.7	1191.3	1189.7	1185.2	1182.6	1181.7	1181.6	1183.8	1186.0	1183.8
32.5°	1147.6	1153.9	1160.2	1157.9	1152.8	1150.1	1149.9	1150.4	1153.0	1155.6	1153.0
35°	1100.0	1105.3	1110.7	1108.3	1103.4	1101.2	1101.7	1102.6	1104.8	1107.0	1104.8
37.5°	1052.2	1056.3	1060.4	1058.0	1053.5	1051.2	1051.1	1051.5	1053.3	1055.2	1053.3
40°	1017.0	1021.4	1025.9	1023.3	1018.4	1015.8	1015.3	1015.6	1017.8	1020.0	1017.8
42.5°	981.0	984.4	987.8	985.5	981.3	979.3	979.6	980.1	981.2	982.4	981.2
45°	925.0	928.1	931.2	929.0	925.0	923.0	923.0	923.2	924.1	925.0	924.1
47.5°	866.4	868.8	871.2	869.5	866.4	864.5	864.0	864.0	865.4	866.8	865.4
50°	824.0	827.1	830.2	828.7	825.6	823.6	822.7	822.4	824.2	826.0	824.2
52.5°	782.4	785.9	789.3	787.9	784.8	782.6	781.3	780.8	782.2	783.6	782.2
55°	718.0	722.0	726.0	725.0	722.3	720.1	718.3	717.2	718.1	719.0	718.1
57.5°	652.2	656.1	660.0	659.3	657.0	654.7	652.6	651.3	652.6	653.8	652.6
60°	609.0	612.6	616.1	615.0	612.3	610.1	608.3	607.2	608.1	609.0	608.1
62.5°	565.0	568.6	572.1	570.7	567.7	565.3	563.5	562.4	563.3	564.2	563.3
65°	498.0	501.1	504.2	503.0	500.3	498.1	496.3	495.1	495.6	496.0	495.6
67.5°	430.4	433.1	435.7	434.5	431.9	429.3	426.7	425.0	425.7	426.4	425.7
70°	384.0	386.7	389.3	388.3	386.1	383.9	381.7	380.0	380.0	380.0	380.0
72.5°	339.2	341.5	343.8	342.5	339.9	337.7	335.8	334.4	334.4	334.4	334.4
75°	271.0	272.3	273.7	273.0	271.7	269.9	267.7	265.9	265.4	265.0	265.4
77.5°	205.2	205.2	205.2	203.9	202.2	200.6	198.9	197.5	196.9	196.4	196.9
80°	162.0	162.0	162.0	161.0	159.7	158.3	157.0	155.8	154.9	154.0	154.9
82.5°	122.0	121.3	120.6	119.4	118.1	116.4	114.3	113.0	113.9	114.8	113.9
85°	65.0	64.1	63.2	62.0	60.7	59.1	57.3	55.9	55.4	55.0	55.4
87.5°	20.4	20.2	20.2	19.7	19.0	17.9	16.5	15.5	15.2	14.9	15.2
90°	2.0	4.6	7.9	10.5	12.5	13.2	13.2	13.8	14.5	14.5	14.5
92.5°	7.2	11.4	11.6	11.6	14.1	15.3	16.3	16.4	17.1	17.1	17.1
95°	20.4	22.4	33.5	32.9	22.4	17.8	15.1	15.1	15.1	15.1	15.1
97.5°	38.9	41.8	43.7	58.5	61.8	59.7	48.7	40.9	36.6	34.6	36.6
100°	55.2	56.5	60.5	61.1	77.6	93.4	85.5	75.6	72.3	70.4	72.3
102.5°	71.5	72.3	78.4	81.1	85.0	93.9	121.2	118.2	116.0	115.6	116.0
105°	96.0	96.7	107.8	113.1	115.7	115.7	115.1	128.2	149.3	153.9	149.3
107.5°	122.2	125.2	138.3	152.4	155.4	156.2	152.8	150.8	150.0	150.6	150.0
110°	140.1	144.7	160.4	178.2	182.8	184.1	182.8	180.8	179.5	179.5	179.5



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	157.4	164.1	182.0	202.4	210.1	214.1	211.2	209.8	208.4	209.5	208.4
115°	184.1	194.0	217.6	238.7	254.5	256.4	255.8	255.8	255.1	255.1	255.1
117.5°	208.8	224.6	251.2	275.6	293.9	299.2	301.8	301.0	300.2	301.5	300.2
120°	226.2	244.6	274.8	302.5	320.2	328.1	330.7	329.4	330.7	329.4	330.7
122.5°	244.6	267.2	296.9	325.6	346.5	355.5	358.6	358.9	359.1	358.4	359.1
125°	272.2	299.8	334.7	364.3	386.0	396.5	399.1	399.8	401.1	404.4	401.1
127.5°	300.1	331.4	369.7	398.2	420.4	433.2	437.3	438.7	441.5	442.9	441.5
130°	319.6	355.1	393.9	420.8	442.5	456.3	463.6	465.5	468.8	468.2	468.8
132.5°	340.1	377.2	416.5	444.5	464.6	479.5	485.6	491.3	492.5	493.4	492.5
135°	370.2	410.3	449.7	477.4	496.4	510.9	518.8	524.0	527.3	529.3	527.3
137.5°	401.9	444.2	482.1	506.7	525.9	538.4	547.3	552.8	556.3	557.8	556.3
140°	423.4	464.2	501.0	526.7	543.8	556.3	564.2	570.7	574.7	574.7	574.7
142.5°	444.0	484.2	520.0	545.6	560.6	572.0	580.5	585.5	589.9	589.9	589.9
145°	472.8	512.9	545.7	571.4	583.9	594.4	603.6	607.6	610.2	610.2	610.2
147.5°	502.9	538.4	568.4	593.0	603.5	615.8	623.1	626.2	629.5	628.1	629.5
150°	520.8	553.6	582.6	605.6	616.1	627.9	635.2	637.8	641.1	639.1	641.1
152.5°	538.1	569.4	595.7	617.2	626.1	637.9	646.2	648.8	651.1	649.6	651.1
155°	561.5	589.1	613.5	633.2	641.1	652.3	660.2	663.4	666.1	662.8	666.1
157.5°	582.4	606.2	627.4	645.6	654.0	663.6	670.9	675.0	677.6	676.2	677.6
160°	595.1	616.8	635.8	652.9	660.8	669.4	677.3	681.9	684.5	682.5	684.5
162.5°	605.6	625.2	643.2	658.7	665.5	673.0	682.5	686.6	689.2	686.7	689.2
165°	620.7	636.5	652.3	665.4	671.3	677.3	687.1	691.7	693.7	691.1	693.7
167.5°	632.1	644.2	657.0	668.3	672.6	678.4	688.3	692.1	694.6	691.3	694.6
170°	638.5	649.0	660.2	669.4	672.6	677.9	687.8	691.1	693.0	689.7	693.0
172.5°	643.7	651.6	660.7	668.8	670.5	674.8	684.1	687.4	688.8	686.1	688.8
175°	649.0	653.6	660.2	665.4	664.8	667.4	675.3	677.9	680.5	676.6	680.5
177.5°	651.5	653.6	655.7	658.8	656.7	656.7	662.5	664.1	664.6	662.5	664.6
180°	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9



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**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0
2.5°	1417.8	1416.5	1415.1	1417.4	1423.5	1426.3	1419.6	1412.8	1419.6	1426.3	1423.5
5°	1413.1	1411.3	1410.4	1413.6	1420.7	1423.8	1414.9	1406.0	1414.9	1423.8	1420.7
7.5°	1403.0	1401.0	1399.9	1402.8	1409.5	1412.4	1403.5	1394.6	1403.5	1412.4	1409.5
10°	1393.9	1391.7	1389.9	1392.6	1399.7	1402.8	1393.9	1385.0	1393.9	1402.8	1399.7
12.5°	1382.0	1380.2	1379.1	1381.8	1388.2	1390.8	1381.9	1373.0	1381.9	1390.8	1388.2
15°	1360.9	1359.0	1357.7	1360.1	1366.3	1368.8	1359.9	1351.0	1359.9	1368.8	1366.3
17.5°	1334.4	1332.5	1331.0	1333.1	1338.9	1341.1	1332.8	1324.4	1332.8	1341.1	1338.9
20°	1312.8	1311.7	1311.2	1313.9	1319.7	1322.0	1314.0	1306.0	1314.0	1322.0	1319.7
22.5°	1288.2	1287.9	1288.9	1292.1	1297.5	1299.6	1291.6	1283.6	1291.6	1299.6	1297.5
25°	1250.8	1251.0	1252.3	1255.4	1260.3	1262.0	1254.0	1246.0	1254.0	1262.0	1260.3
27.5°	1211.2	1211.3	1212.2	1214.6	1218.7	1220.1	1213.5	1206.8	1213.5	1220.1	1218.7
30°	1181.6	1181.7	1182.6	1185.2	1189.7	1191.3	1184.7	1178.0	1184.7	1191.3	1189.7
32.5°	1150.4	1149.9	1150.1	1152.8	1157.9	1160.2	1153.9	1147.6	1153.9	1160.2	1157.9
35°	1102.6	1101.7	1101.2	1103.4	1108.3	1110.7	1105.3	1100.0	1105.3	1110.7	1108.3
37.5°	1051.5	1051.1	1051.2	1053.5	1058.0	1060.4	1056.3	1052.2	1056.3	1060.4	1058.0
40°	1015.6	1015.3	1015.8	1018.4	1023.3	1025.9	1021.4	1017.0	1021.4	1025.9	1023.3
42.5°	980.1	979.6	979.3	981.3	985.5	987.8	984.4	981.0	984.4	987.8	985.5
45°	923.2	923.0	923.0	925.0	929.0	931.2	928.1	925.0	928.1	931.2	929.0
47.5°	864.0	864.0	864.5	866.4	869.5	871.2	868.8	866.4	868.8	871.2	869.5
50°	822.4	822.7	823.6	825.6	828.7	830.2	827.1	824.0	827.1	830.2	828.7
52.5°	780.8	781.3	782.6	784.8	787.9	789.3	785.9	782.4	785.9	789.3	787.9
55°	717.2	718.3	720.1	722.3	725.0	726.0	722.0	718.0	722.0	726.0	725.0
57.5°	651.3	652.6	654.7	657.0	659.3	660.0	656.1	652.2	656.1	660.0	659.3
60°	607.2	608.3	610.1	612.3	615.0	616.1	612.6	609.0	612.6	616.1	615.0
62.5°	562.4	563.5	565.3	567.7	570.7	572.1	568.6	565.0	568.6	572.1	570.7
65°	495.1	496.3	498.1	500.3	503.0	504.2	501.1	498.0	501.1	504.2	503.0
67.5°	425.0	426.7	429.3	431.9	434.5	435.7	433.1	430.4	433.1	435.7	434.5
70°	380.0	381.7	383.9	386.1	388.3	389.3	386.7	384.0	386.7	389.3	388.3
72.5°	334.4	335.8	337.7	339.9	342.5	343.8	341.5	339.2	341.5	343.8	342.5
75°	265.9	267.7	269.9	271.7	273.0	273.7	272.3	271.0	272.3	273.7	273.0
77.5°	197.5	198.9	200.6	202.2	203.9	205.2	205.2	205.2	205.2	205.2	203.9
80°	155.8	157.0	158.3	159.7	161.0	162.0	162.0	162.0	162.0	162.0	161.0
82.5°	113.0	114.3	116.4	118.1	119.4	120.6	121.3	122.0	121.3	120.6	119.4
85°	55.9	57.3	59.1	60.7	62.0	63.2	64.1	65.0	64.1	63.2	62.0
87.5°	15.5	16.5	17.9	19.0	19.7	20.2	20.2	20.4	20.2	20.0	20.0
90°	13.8	13.2	13.2	12.5	10.5	7.9	4.6	2.0	4.6	7.2	11.8
92.5°	16.4	16.3	15.3	14.1	11.6	11.6	11.4	7.2	12.5	17.8	25.5
95°	15.1	15.1	17.8	22.4	32.9	33.5	22.4	20.4	28.9	40.8	51.3
97.5°	40.9	48.7	59.7	61.8	58.5	43.7	41.8	38.9	53.0	64.7	81.7
100°	75.6	85.5	93.4	77.6	61.1	60.5	56.5	55.2	70.4	81.5	98.0
102.5°	118.2	121.2	93.9	85.0	81.1	78.4	72.3	71.5	86.7	102.0	115.9
105°	128.2	115.1	115.7	115.7	113.1	107.8	96.7	96.0	113.1	130.8	147.9
107.5°	150.8	152.8	156.2	155.4	152.4	138.3	125.2	122.2	137.6	158.9	177.7
110°	180.8	182.8	184.1	182.8	178.2	160.4	144.7	140.1	153.9	176.2	196.6



TEST NUMBER: P1427715

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

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	209.8	211.2	214.1	210.1	202.4	182.0	164.1	157.4	171.2	194.1	215.0
115°	255.8	255.8	256.4	254.5	238.7	217.6	194.0	184.1	195.9	217.0	240.0
117.5°	301.0	301.8	299.2	293.9	275.6	251.2	224.6	208.8	218.2	240.4	264.1
120°	329.4	330.7	328.1	320.2	302.5	274.8	244.6	226.2	233.4	255.1	278.8
122.5°	358.9	358.6	355.5	346.5	325.6	296.9	267.2	244.6	247.6	267.7	290.9
125°	399.8	399.1	396.5	386.0	364.3	334.7	299.8	272.2	268.3	285.4	309.0
127.5°	438.7	437.3	433.2	420.4	398.2	369.7	331.4	300.1	291.3	302.1	323.8
130°	465.5	463.6	456.3	442.5	420.8	393.9	355.1	319.6	307.1	313.6	332.7
132.5°	491.3	485.6	479.5	464.6	444.5	416.5	377.2	340.1	322.8	325.7	340.6
135°	524.0	518.8	510.9	496.4	477.4	449.7	410.3	370.2	346.5	343.9	352.4
137.5°	552.8	547.3	538.4	525.9	506.7	482.1	444.2	401.9	372.0	363.2	366.5
140°	570.7	564.2	556.3	543.8	526.7	501.0	464.2	423.4	389.9	377.4	375.4
142.5°	585.5	580.5	572.0	560.6	545.6	520.0	484.2	444.0	408.3	392.1	387.5
145°	607.6	603.6	594.4	583.9	571.4	545.7	512.9	472.8	437.3	416.2	406.4
147.5°	626.2	623.1	615.8	603.5	593.0	568.4	538.4	502.9	466.4	440.4	427.7
150°	637.8	635.2	627.9	616.1	605.6	582.6	553.6	520.8	485.9	458.3	441.9
152.5°	648.8	646.2	637.9	626.1	617.2	595.7	569.4	538.1	502.7	475.1	458.2
155°	663.4	660.2	652.3	641.1	633.2	613.5	589.1	561.5	531.3	502.3	483.3
157.5°	675.0	670.9	663.6	654.0	645.6	627.4	606.2	582.4	556.0	528.4	508.9
160°	681.9	677.3	669.4	660.8	652.9	635.8	616.8	595.1	570.7	545.7	524.7
162.5°	686.6	682.5	673.0	665.5	658.7	643.2	625.2	605.6	583.9	562.1	542.6
165°	691.7	687.1	677.3	671.3	665.4	652.3	636.5	620.7	602.3	584.5	568.8
167.5°	692.1	688.3	678.4	672.6	668.3	657.0	644.2	632.1	617.8	603.9	590.7
170°	691.1	687.8	677.9	672.6	669.4	660.2	649.0	638.5	627.3	615.4	604.9
172.5°	687.4	684.1	674.8	670.5	668.8	660.7	651.6	643.7	634.1	625.4	617.0
175°	677.9	675.3	667.4	664.8	665.4	660.2	653.6	649.0	643.1	637.8	633.2
177.5°	664.1	662.5	656.7	656.7	658.8	655.7	653.6	651.5	648.8	647.3	645.7
180°	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9



TEST NUMBER: P1427715

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

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0
2.5°	1417.4	1415.1	1416.5	1417.8	1418.5	1419.2	1418.5	1417.8	1416.5	1415.1	1417.4
5°	1413.6	1410.4	1411.3	1413.1	1417.6	1422.0	1417.6	1413.1	1411.3	1410.4	1413.6
7.5°	1402.8	1399.9	1401.0	1403.0	1407.6	1412.2	1407.6	1403.0	1401.0	1399.9	1402.8
10°	1392.6	1389.9	1391.7	1393.9	1397.4	1401.0	1397.4	1393.9	1391.7	1389.9	1392.6
12.5°	1381.8	1379.1	1380.2	1382.0	1385.9	1389.8	1385.9	1382.0	1380.2	1379.1	1381.8
15°	1360.1	1357.7	1359.0	1360.9	1364.4	1368.0	1364.4	1360.9	1359.0	1357.7	1360.1
17.5°	1333.1	1331.0	1332.5	1334.4	1337.5	1340.6	1337.5	1334.4	1332.5	1331.0	1333.1
20°	1313.9	1311.2	1311.7	1312.8	1315.9	1319.0	1315.9	1312.8	1311.7	1311.2	1313.9
22.5°	1292.1	1288.9	1287.9	1288.2	1292.0	1295.8	1292.0	1288.2	1287.9	1288.9	1292.1
25°	1255.4	1252.3	1251.0	1250.8	1253.9	1257.0	1253.9	1250.8	1251.0	1252.3	1255.4
27.5°	1214.6	1212.2	1211.3	1211.2	1213.4	1215.6	1213.4	1211.2	1211.3	1212.2	1214.6
30°	1185.2	1182.6	1181.7	1181.6	1183.8	1186.0	1183.8	1181.6	1181.7	1182.6	1185.2
32.5°	1152.8	1150.1	1149.9	1150.4	1153.0	1155.6	1153.0	1150.4	1149.9	1150.1	1152.8
35°	1103.4	1101.2	1101.7	1102.6	1104.8	1107.0	1104.8	1102.6	1101.7	1101.2	1103.4
37.5°	1053.5	1051.2	1051.1	1051.5	1053.3	1055.2	1053.3	1051.5	1051.1	1051.2	1053.5
40°	1018.4	1015.8	1015.3	1015.6	1017.8	1020.0	1017.8	1015.6	1015.3	1015.8	1018.4
42.5°	981.3	979.3	979.6	980.1	981.2	982.4	981.2	980.1	979.6	979.3	981.3
45°	925.0	923.0	923.0	923.2	924.1	925.0	924.1	923.2	923.0	923.0	925.0
47.5°	866.4	864.5	864.0	864.0	865.4	866.8	865.4	864.0	864.0	864.5	866.4
50°	825.6	823.6	822.7	822.4	824.2	826.0	824.2	822.4	822.7	823.6	825.6
52.5°	784.8	782.6	781.3	780.8	782.2	783.6	782.2	780.8	781.3	782.6	784.8
55°	722.3	720.1	718.3	717.2	718.1	719.0	718.1	717.2	718.3	720.1	722.3
57.5°	657.0	654.7	652.6	651.3	652.6	653.8	652.6	651.3	652.6	654.7	657.0
60°	612.3	610.1	608.3	607.2	608.1	609.0	608.1	607.2	608.3	610.1	612.3
62.5°	567.7	565.3	563.5	562.4	563.3	564.2	563.3	562.4	563.5	565.3	567.7
65°	500.3	498.1	496.3	495.1	495.6	496.0	495.6	495.1	496.3	498.1	500.3
67.5°	431.9	429.3	426.7	425.0	425.7	426.4	425.7	425.0	426.7	429.3	431.9
70°	386.1	383.9	381.7	380.0	380.0	380.0	380.0	380.0	381.7	383.9	386.1
72.5°	339.9	337.7	335.8	334.4	334.4	334.4	334.4	334.4	335.8	337.7	339.9
75°	271.7	269.9	267.7	265.9	265.4	265.0	265.4	265.9	267.7	269.9	271.7
77.5°	202.2	200.6	198.9	197.5	196.9	196.4	196.9	197.5	198.9	200.6	202.2
80°	159.7	158.3	157.0	155.8	154.9	154.0	154.9	155.8	157.0	158.3	159.7
82.5°	118.1	116.4	114.3	113.0	113.9	114.8	113.9	113.0	114.3	116.4	118.1
85°	60.7	59.1	57.3	55.9	55.4	55.0	55.4	55.9	57.3	59.1	60.7
87.5°	19.6	19.2	18.7	18.1	18.3	17.7	18.3	18.1	18.7	19.2	19.6
90°	15.1	19.7	24.3	27.0	29.6	28.3	29.6	27.0	24.3	19.7	15.1
92.5°	30.4	38.1	43.8	48.5	50.6	50.4	50.6	48.5	43.8	38.1	30.4
95°	61.1	70.4	79.6	86.1	90.1	88.8	90.1	86.1	79.6	70.4	61.1
97.5°	94.3	106.7	116.9	123.1	127.0	129.7	127.0	123.1	116.9	106.7	94.3
100°	116.4	128.2	140.1	147.3	153.9	156.5	153.9	147.3	140.1	128.2	116.4
102.5°	134.3	149.8	162.7	170.4	176.0	178.6	176.0	170.4	162.7	149.8	134.3
105°	163.7	180.2	194.0	203.8	209.8	211.7	209.8	203.8	194.0	180.2	163.7
107.5°	193.2	210.1	222.9	233.8	241.0	245.3	241.0	233.8	222.9	210.1	193.2
110°	216.3	230.1	243.9	253.8	261.0	263.7	261.0	253.8	243.9	230.1	216.3



TEST NUMBER: P1427715

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

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	235.8	251.2	265.0	274.8	283.1	286.8	283.1	274.8	265.0	251.2	235.8
115°	263.0	283.4	295.9	305.1	311.0	314.3	311.0	305.1	295.9	283.4	263.0
117.5°	285.6	306.9	320.6	327.7	330.5	332.8	330.5	327.7	320.6	306.9	285.6
120°	299.8	319.6	335.3	344.5	347.8	349.1	347.8	344.5	335.3	319.6	299.8
122.5°	313.0	331.7	346.9	358.2	363.6	364.9	363.6	358.2	346.9	331.7	313.0
125°	331.4	349.1	364.9	376.1	382.0	385.3	382.0	376.1	364.9	349.1	331.4
127.5°	347.4	366.6	381.1	391.2	397.0	399.6	397.0	391.2	381.1	366.6	347.4
130°	356.4	376.1	390.6	401.7	407.0	409.6	407.0	401.7	390.6	376.1	356.4
132.5°	363.2	384.0	399.0	409.1	414.9	417.5	414.9	409.1	399.0	384.0	363.2
135°	371.5	393.2	409.0	418.8	424.1	426.7	424.1	418.8	409.0	393.2	371.5
137.5°	378.7	398.5	414.9	425.3	430.0	431.7	430.0	425.3	414.9	398.5	378.7
140°	384.0	401.1	417.5	427.4	432.7	433.3	432.7	427.4	401.1	384.0	384.0
142.5°	390.8	404.2	418.6	428.4	433.7	434.9	433.7	428.4	418.6	404.2	390.8
145°	403.1	411.0	420.8	430.0	434.6	435.9	434.6	430.0	420.8	411.0	403.1
147.5°	418.4	420.9	426.1	432.1	436.6	437.5	436.6	432.1	426.1	420.9	418.4
150°	430.0	429.4	431.3	435.3	439.2	438.6	439.2	435.3	431.3	429.4	430.0
152.5°	443.2	439.4	439.2	441.1	442.9	442.8	442.9	441.1	439.2	439.4	443.2
155°	465.5	458.3	454.3	453.0	453.0	452.4	453.0	453.0	454.3	458.3	465.5
157.5°	490.1	480.0	474.1	470.9	470.0	468.6	470.0	470.9	474.1	480.0	490.1
160°	507.0	495.8	489.9	484.6	482.6	480.7	482.6	484.6	489.9	495.8	507.0
162.5°	522.7	512.1	505.6	500.9	498.9	495.9	498.9	500.9	505.6	512.1	522.7
165°	548.4	537.2	530.0	526.0	523.4	520.8	523.4	526.0	530.0	537.2	548.4
167.5°	574.0	561.8	557.1	552.6	550.1	545.4	550.1	552.6	557.1	561.8	574.0
170°	589.8	578.6	576.0	572.0	567.4	562.2	567.4	572.0	576.0	578.6	589.8
172.5°	603.5	596.0	593.4	589.4	588.0	583.8	588.0	589.4	593.4	596.0	603.5
175°	623.3	617.4	617.4	616.8	614.8	610.8	614.8	616.8	617.4	617.4	623.3
177.5°	639.9	636.7	638.9	638.9	638.3	634.6	638.3	638.9	638.9	636.7	639.9
180°	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9



TEST NUMBER: P1427715

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

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	1420.0	1420.0	1420.0	1420.0
2.5°	1423.5	1426.3	1419.6	1412.8
5°	1420.7	1423.8	1414.9	1406.0
7.5°	1409.5	1412.4	1403.5	1394.6
10°	1399.7	1402.8	1393.9	1385.0
12.5°	1388.2	1390.8	1381.9	1373.0
15°	1366.3	1368.8	1359.9	1351.0
17.5°	1338.9	1341.1	1332.8	1324.4
20°	1319.7	1322.0	1314.0	1306.0
22.5°	1297.5	1299.6	1291.6	1283.6
25°	1260.3	1262.0	1254.0	1246.0
27.5°	1218.7	1220.1	1213.5	1206.8
30°	1189.7	1191.3	1184.7	1178.0
32.5°	1157.9	1160.2	1153.9	1147.6
35°	1108.3	1110.7	1105.3	1100.0
37.5°	1058.0	1060.4	1056.3	1052.2
40°	1023.3	1025.9	1021.4	1017.0
42.5°	985.5	987.8	984.4	981.0
45°	929.0	931.2	928.1	925.0
47.5°	869.5	871.2	868.8	866.4
50°	828.7	830.2	827.1	824.0
52.5°	787.9	789.3	785.9	782.4
55°	725.0	726.0	722.0	718.0
57.5°	659.3	660.0	656.1	652.2
60°	615.0	616.1	612.6	609.0
62.5°	570.7	572.1	568.6	565.0
65°	503.0	504.2	501.1	498.0
67.5°	434.5	435.7	433.1	430.4
70°	388.3	389.3	386.7	384.0
72.5°	342.5	343.8	341.5	339.2
75°	273.0	273.7	272.3	271.0
77.5°	203.9	205.2	205.2	205.2
80°	161.0	162.0	162.0	162.0
82.5°	119.4	120.6	121.3	122.0
85°	62.0	63.2	64.1	65.0
87.5°	20.0	20.0	20.2	20.4
90°	11.8	7.2	4.6	2.0
92.5°	25.5	17.8	12.5	7.2
95°	51.3	40.8	28.9	20.4
97.5°	81.7	64.7	53.0	38.9
100°	98.0	81.5	70.4	55.2
102.5°	115.9	102.0	86.7	71.5
105°	147.9	130.8	113.1	96.0
107.5°	177.7	158.9	137.6	122.2
110°	196.6	176.2	153.9	140.1

TEST NUMBER: P1427715

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

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
112.5°	215.0	194.1	171.2	157.4
115°	240.0	217.0	195.9	184.1
117.5°	264.1	240.4	218.2	208.8
120°	278.8	255.1	233.4	226.2
122.5°	290.9	267.7	247.6	244.6
125°	309.0	285.4	268.3	272.2
127.5°	323.8	302.1	291.3	300.1
130°	332.7	313.6	307.1	319.6
132.5°	340.6	325.7	322.8	340.1
135°	352.4	343.9	346.5	370.2
137.5°	366.5	363.2	372.0	401.9
140°	375.4	377.4	389.9	423.4
142.5°	387.5	392.1	408.3	444.0
145°	406.4	416.2	437.3	472.8
147.5°	427.7	440.4	466.4	502.9
150°	441.9	458.3	485.9	520.8
152.5°	458.2	475.1	502.7	538.1
155°	483.3	502.3	531.3	561.5
157.5°	508.9	528.4	556.0	582.4
160°	524.7	545.7	570.7	595.1
162.5°	542.6	562.1	583.9	605.6
165°	568.8	584.5	602.3	620.7
167.5°	590.7	603.9	617.8	632.1
170°	604.9	615.4	627.3	638.5
172.5°	617.0	625.4	634.1	643.7
175°	633.2	637.8	643.1	649.0
177.5°	645.7	647.3	648.8	651.5
180°	650.9	650.9	650.9	650.9



TEST NUMBER: P1427715  
 CATALOG NUMBER: SQ2W-F-K-050U-100D-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	20.24	21.30	21.02	22.11	23.10	20.15	21.22	20.94	22.03	23.02
	3H	22.04	23.00	22.84	23.82	24.84	21.94	22.90	22.74	23.72	24.74
	4H	22.75	23.65	23.56	24.48	25.51	22.63	23.54	23.45	24.36	25.40
	6H	23.19	24.03	24.02	24.87	25.91	23.05	23.89	23.88	24.72	25.77
	8H	23.36	24.16	24.20	25.01	26.06	23.20	24.00	24.04	24.86	25.90
	12H	23.45	24.21	24.29	25.06	26.13	23.27	24.03	24.12	24.88	25.95
4H	2H	20.84	21.75	21.66	22.57	23.60	20.77	21.68	21.59	22.51	23.54
	3H	22.88	23.64	23.71	24.50	25.55	22.79	23.54	23.62	24.41	25.45
	4H	23.70	24.39	24.55	25.25	26.33	23.59	24.28	24.44	25.14	26.22
	6H	24.27	24.87	25.13	25.75	26.83	24.13	24.72	24.99	25.61	26.69
	8H	24.49	25.05	25.35	25.92	27.02	24.33	24.89	25.19	25.76	26.86
	12H	24.61	25.11	25.50	26.01	27.11	24.42	24.93	25.31	25.83	26.92
8H	4H	23.96	24.52	24.83	25.40	26.49	23.87	24.43	24.73	25.30	26.40
	6H	24.66	25.13	25.55	26.05	27.14	24.53	24.99	25.42	25.91	27.01
	8H	24.97	25.38	25.87	26.29	27.40	24.81	25.22	25.72	26.14	27.25
	12H	25.16	25.52	26.07	26.43	27.59	24.97	25.33	25.88	26.24	27.40
12H	4H	23.97	24.47	24.85	25.37	26.47	23.88	24.38	24.76	25.28	26.37
	6H	24.71	25.13	25.62	26.04	27.15	24.59	25.00	25.49	25.91	27.02
	8H	25.06	25.42	25.96	26.33	27.49	24.91	25.27	25.81	26.17	27.34