

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: P1427752

Luminaire Tested: SQ2W-F-K-100U-050D-L940-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1427752  
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-100U-050D-L940-UNV-STD-W-WM-4  
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE  
DOWNLIGHT - FROSTED CONTINUOUS ROLL LENS  
UPLIGHT - ASYMMETRIC ROLL LENS  
DOWNLIGHT 500 LUMENS PER FOOT  
UPLIGHT 1000 LUMENS PER FOOT  
Light Source: 4000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

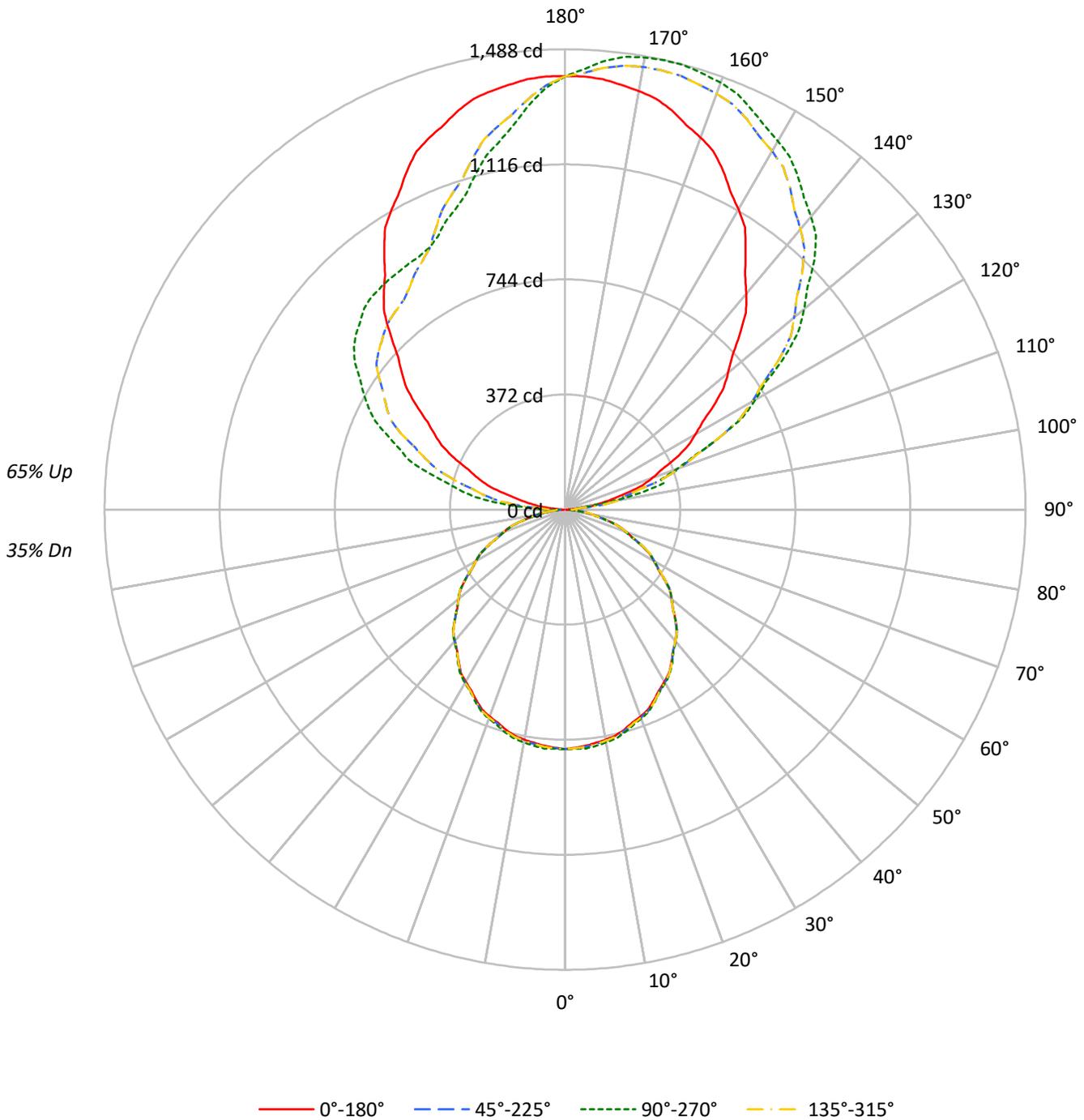
Lumens per Lamp: N/A  
Luminaire Lumens: 6275.0 lumens  
Efficiency: N/A  
Efficacy: 123.3 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.25 / 1.36  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

Input Watts (W): 50.9  
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

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CATALOG NUMBER: SQ2W-F-K-100U-050D-L940-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	104	104	104	104	94	94	94	94	75	75	75	58	58	58	42	42	42	35
1	94	90	86	83	85	81	78	75	65	63	61	51	49	48	37	36	35	29
2	86	78	72	67	77	71	66	61	57	53	50	44	42	40	32	31	30	24
3	78	69	62	56	70	62	56	51	50	46	42	39	36	33	29	27	25	20
4	71	61	53	47	64	55	48	43	44	40	36	35	31	28	25	23	21	17
5	65	54	46	40	59	49	42	37	40	35	31	31	27	25	23	20	19	15
6	60	48	40	35	54	44	37	32	36	30	27	28	24	21	21	18	16	13
7	55	43	36	30	50	40	33	28	32	27	23	25	22	19	19	16	14	12
8	51	39	32	26	46	36	29	24	29	24	21	23	19	17	17	15	13	10
9	48	36	28	23	43	33	26	22	27	22	18	21	18	15	16	13	12	9
10	44	33	26	21	40	30	24	19	25	20	16	19	16	13	15	12	10	8

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

	0°	90°	180°	270°
0°	12503	12503	12503	12503
5°	12428	12569	12428	12569
10°	12383	12527	12383	12527
15°	12316	12471	12316	12471
20°	12239	12359	12239	12359
25°	12105	12212	12105	12212
30°	11976	12058	11976	12058
35°	11824	11899	11824	11899
40°	11689	11725	11689	11725
45°	11519	11519	11519	11519
50°	11288	11316	11288	11316
55°	11023	11037	11023	11037
60°	10724	10724	10724	10724
65°	10376	10334	10376	10334
70°	9885	9781	9885	9781
75°	9220	9014	9220	9014
80°	8210	7810	8210	7810
85°	6558	5557	6558	5557

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 11597 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	73.3	1.2
10°-20°	209.4	3.3
20°-30°	315.2	5.0
30°-40°	376.9	6.0
40°-50°	389.2	6.2
50°-60°	351.0	5.6
60°-70°	268.9	4.3
70°-80°	155.4	2.5
80°-90°	46.2	0.7
90°-100°	111.5	1.8
100°-110°	325.1	5.2
110°-120°	530.5	8.5
120°-130°	673.2	10.7
130°-140°	720.3	11.5
140°-150°	672.6	10.7
150°-160°	553.5	8.8
160°-170°	371.2	5.9
170°-180°	131.8	2.1
0°-30°	597.8	9.5
0°-40°	974.7	15.5
0°-60°	1714.9	27.3
0°-90°	2185.3	34.8
90°-120°	967.1	15.4
90°-150°	3033.2	48.3
90°-180°	4090.0	65.2
0°-180°	6275.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	774	774	774	774	774	
5°	767	776	767	776	767	73
15°	737	746	737	746	737	208
25°	680	686	680	686	680	313
35°	600	604	600	604	600	375
45°	504	504	504	504	504	389
55°	392	392	392	392	392	350
65°	272	270	272	270	272	268
75°	148	144	148	144	148	156
85°	35	30	35	30	35	41
90°	4	31	4	61	4	5
95°	44	32	44	191	44	53
105°	207	331	207	456	207	220
115°	396	549	396	676	396	390
125°	586	870	586	829	586	524
135°	796	1139	796	918	796	616
145°	1017	1313	1017	938	1017	636
155°	1208	1426	1208	973	1208	555
165°	1336	1487	1336	1120	1336	376
175°	1396	1456	1396	1314	1396	132
180°	1401	1401	1401	1401	1401	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	774.4	774.4	774.4	774.4	774.4	774.4	774.4	774.4	774.4	774.4	774.4
2.5°	770.5	774.2	777.9	776.3	773.0	771.8	772.5	773.2	773.6	774.0	773.6
5°	766.8	771.6	776.5	774.8	770.9	769.2	769.7	770.7	773.1	775.5	773.1
7.5°	760.6	765.4	770.3	768.7	765.0	763.5	764.1	765.1	767.6	770.2	767.6
10°	755.3	760.2	765.0	763.3	759.5	758.0	759.0	760.2	762.1	764.1	762.1
12.5°	748.8	753.6	758.5	757.1	753.6	752.1	752.7	753.7	755.8	758.0	755.8
15°	736.8	741.6	746.5	745.2	741.8	740.4	741.2	742.2	744.1	746.1	744.1
17.5°	722.3	726.8	731.4	730.2	727.0	725.9	726.7	727.7	729.4	731.1	729.4
20°	712.3	716.6	721.0	719.7	716.6	715.1	715.3	715.9	717.6	719.3	717.6
22.5°	700.0	704.4	708.8	707.6	704.7	702.9	702.4	702.5	704.6	706.7	704.6
25°	679.5	683.9	688.3	687.3	684.7	683.0	682.3	682.1	683.8	685.5	683.8
27.5°	658.1	661.8	665.4	664.7	662.4	661.1	660.6	660.5	661.7	662.9	661.7
30°	642.4	646.1	649.7	648.8	646.4	644.9	644.4	644.4	645.6	646.8	645.6
32.5°	625.9	629.3	632.7	631.5	628.7	627.2	627.1	627.4	628.8	630.2	628.8
35°	599.9	602.8	605.7	604.4	601.8	600.6	600.8	601.3	602.5	603.7	602.5
37.5°	573.8	576.1	578.3	577.0	574.5	573.3	573.2	573.4	574.5	575.5	574.5
40°	554.6	557.1	559.5	558.1	555.4	554.0	553.7	553.9	555.1	556.3	555.1
42.5°	535.0	536.8	538.7	537.4	535.2	534.1	534.2	534.5	535.1	535.8	535.1
45°	504.5	506.2	507.9	506.6	504.5	503.4	503.4	503.5	504.0	504.5	504.0
47.5°	472.5	473.8	475.1	474.2	472.5	471.5	471.2	471.2	471.9	472.7	471.9
50°	449.4	451.1	452.8	451.9	450.2	449.1	448.7	448.5	449.5	450.5	449.5
52.5°	426.7	428.6	430.5	429.7	428.0	426.8	426.1	425.8	426.6	427.4	426.6
55°	391.6	393.8	395.9	395.4	393.9	392.7	391.8	391.1	391.6	392.1	391.6
57.5°	355.7	357.8	360.0	359.5	358.3	357.1	355.9	355.2	355.9	356.6	355.9
60°	332.1	334.1	336.0	335.4	333.9	332.7	331.8	331.2	331.6	332.1	331.6
62.5°	308.1	310.1	312.0	311.3	309.6	308.3	307.3	306.7	307.2	307.7	307.2
65°	271.6	273.3	275.0	274.3	272.9	271.7	270.7	270.0	270.3	270.5	270.3
67.5°	234.7	236.2	237.6	236.9	235.5	234.1	232.7	231.8	232.2	232.5	232.2
70°	209.4	210.9	212.3	211.8	210.6	209.4	208.1	207.2	207.2	207.2	207.2
72.5°	185.0	186.2	187.5	186.8	185.4	184.2	183.1	182.4	182.4	182.4	182.4
75°	147.8	148.5	149.2	148.9	148.2	147.2	146.0	145.0	144.8	144.5	144.8
77.5°	111.9	111.9	111.9	111.2	110.3	109.4	108.5	107.7	107.4	107.1	107.4
80°	88.3	88.3	88.3	87.8	87.1	86.3	85.6	85.0	84.5	84.0	84.5
82.5°	66.5	66.1	65.8	65.1	64.4	63.5	62.4	61.6	62.1	62.6	62.1
85°	35.4	35.0	34.5	33.8	33.1	32.2	31.3	30.5	30.2	30.0	30.2
87.5°	11.8	12.5	13.5	14.1	14.4	14.0	13.2	12.9	13.0	12.8	13.0
90°	4.2	9.9	17.0	22.6	26.9	28.3	28.3	29.7	31.1	31.1	31.1
92.5°	15.6	24.6	24.9	24.9	30.3	32.8	35.1	35.4	36.8	36.8	36.8
95°	43.9	48.1	72.2	70.7	48.1	38.2	32.5	32.5	32.5	32.5	32.5
97.5°	83.8	90.0	93.9	125.9	133.0	128.5	104.7	88.0	78.7	74.4	78.7
100°	118.8	121.7	130.2	131.6	166.9	200.9	183.9	162.7	155.6	151.4	155.6
102.5°	153.9	155.6	168.6	174.6	182.8	202.0	260.9	254.4	249.6	248.7	249.6
105°	206.6	208.0	232.0	243.3	249.0	249.0	247.6	275.9	321.2	331.1	321.2
107.5°	262.9	269.4	297.7	328.0	334.5	336.2	328.8	324.6	322.9	324.0	322.9
110°	301.4	311.3	345.2	383.4	393.3	396.1	393.3	389.1	386.2	386.2	386.2



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	338.7	353.1	391.6	435.5	452.2	460.7	454.4	451.3	448.5	450.8	448.5
115°	396.1	417.4	468.3	513.6	547.5	551.8	550.4	550.4	548.9	548.9	548.9
117.5°	449.3	483.3	540.5	593.1	632.4	643.7	649.4	647.7	646.0	648.8	646.0
120°	486.7	526.3	591.4	650.8	689.0	706.0	711.6	708.8	711.6	708.8	711.6
122.5°	526.3	575.0	638.9	700.6	745.6	764.8	771.6	772.2	772.8	771.1	772.8
125°	585.7	645.2	720.1	783.8	830.5	853.1	858.8	860.2	863.0	870.1	863.0
127.5°	645.7	713.1	795.4	856.8	904.6	932.1	940.8	944.0	949.9	953.0	949.9
130°	687.6	764.0	847.5	905.5	952.2	981.9	997.4	1001.7	1008.8	1007.3	1008.8
132.5°	731.7	811.5	896.1	956.4	999.7	1031.7	1045.0	1057.1	1059.7	1061.7	1059.7
135°	796.5	882.8	967.7	1027.2	1068.2	1099.3	1116.3	1127.6	1134.7	1138.9	1134.7
137.5°	864.7	955.8	1037.3	1090.3	1131.6	1158.4	1177.7	1189.6	1196.9	1200.3	1196.9
140°	911.1	998.9	1078.1	1133.3	1170.0	1196.9	1213.9	1228.1	1236.5	1236.5	1236.5
142.5°	955.3	1041.9	1118.8	1174.0	1206.3	1230.9	1249.0	1259.7	1269.4	1269.4	1269.4
145°	1017.2	1103.6	1174.3	1229.5	1256.4	1279.0	1298.8	1307.3	1312.9	1312.9	1312.9
147.5°	1082.0	1158.4	1223.0	1275.9	1298.5	1325.1	1340.7	1347.5	1354.5	1351.4	1354.5
150°	1120.5	1191.3	1253.5	1303.0	1325.7	1351.1	1366.7	1372.4	1379.4	1375.2	1379.4
152.5°	1157.9	1225.2	1281.8	1327.9	1347.2	1372.6	1390.5	1396.1	1400.9	1397.8	1400.9
155°	1208.2	1267.7	1320.0	1362.5	1379.4	1403.5	1420.5	1427.5	1433.2	1426.1	1433.2
157.5°	1253.2	1304.5	1350.0	1389.1	1407.2	1427.8	1443.7	1452.4	1458.1	1455.0	1458.1
160°	1280.4	1327.1	1368.1	1404.9	1421.9	1440.3	1457.3	1467.2	1472.8	1468.6	1472.8
162.5°	1303.0	1345.2	1384.0	1417.4	1432.1	1448.2	1468.6	1477.3	1483.0	1477.6	1483.0
165°	1335.6	1369.5	1403.5	1431.8	1444.5	1457.3	1478.5	1488.4	1492.6	1487.0	1492.6
167.5°	1360.2	1386.2	1413.7	1438.0	1447.4	1459.8	1481.0	1489.2	1494.6	1487.5	1494.6
170°	1373.8	1396.4	1420.5	1440.3	1447.4	1458.7	1479.9	1487.0	1491.2	1484.1	1491.2
172.5°	1385.1	1402.1	1421.6	1439.1	1442.8	1451.9	1472.0	1479.0	1482.2	1476.2	1482.2
175°	1396.4	1406.3	1420.5	1431.8	1430.4	1436.0	1453.0	1458.7	1464.3	1455.8	1464.3
177.5°	1401.8	1406.3	1410.8	1417.6	1413.1	1413.1	1425.6	1429.0	1430.1	1425.6	1430.1
180°	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7



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**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	774.4	774.4	774.4	774.4	774.4	774.4	774.4	774.4	774.4	774.4	774.4
2.5°	773.2	772.5	771.8	773.0	776.3	777.9	774.2	770.5	774.2	777.9	776.3
5°	770.7	769.7	769.2	770.9	774.8	776.5	771.6	766.8	771.6	776.5	774.8
7.5°	765.1	764.1	763.5	765.0	768.7	770.3	765.4	760.6	765.4	770.3	768.7
10°	760.2	759.0	758.0	759.5	763.3	765.0	760.2	755.3	760.2	765.0	763.3
12.5°	753.7	752.7	752.1	753.6	757.1	758.5	753.6	748.8	753.6	758.5	757.1
15°	742.2	741.2	740.4	741.8	745.2	746.5	741.6	736.8	741.6	746.5	745.2
17.5°	727.7	726.7	725.9	727.0	730.2	731.4	726.8	722.3	726.8	731.4	730.2
20°	715.9	715.3	715.1	716.6	719.7	721.0	716.6	712.3	716.6	721.0	719.7
22.5°	702.5	702.4	702.9	704.7	707.6	708.8	704.4	700.0	704.4	708.8	707.6
25°	682.1	682.3	683.0	684.7	687.3	688.3	683.9	679.5	683.9	688.3	687.3
27.5°	660.5	660.6	661.1	662.4	664.7	665.4	661.8	658.1	661.8	665.4	664.7
30°	644.4	644.4	644.9	646.4	648.8	649.7	646.1	642.4	646.1	649.7	648.8
32.5°	627.4	627.1	627.2	628.7	631.5	632.7	629.3	625.9	629.3	632.7	631.5
35°	601.3	600.8	600.6	601.8	604.4	605.7	602.8	599.9	602.8	605.7	604.4
37.5°	573.4	573.2	573.3	574.5	577.0	578.3	576.1	573.8	576.1	578.3	577.0
40°	553.9	553.7	554.0	555.4	558.1	559.5	557.1	554.6	557.1	559.5	558.1
42.5°	534.5	534.2	534.1	535.2	537.4	538.7	536.8	535.0	536.8	538.7	537.4
45°	503.5	503.4	503.4	504.5	506.6	507.9	506.2	504.5	506.2	507.9	506.6
47.5°	471.2	471.2	471.5	472.5	474.2	475.1	473.8	472.5	473.8	475.1	474.2
50°	448.5	448.7	449.1	450.2	451.9	452.8	451.1	449.4	451.1	452.8	451.9
52.5°	425.8	426.1	426.8	428.0	429.7	430.5	428.6	426.7	428.6	430.5	429.7
55°	391.1	391.8	392.7	393.9	395.4	395.9	393.8	391.6	393.8	395.9	395.4
57.5°	355.2	355.9	357.1	358.3	359.5	360.0	357.8	355.7	357.8	360.0	359.5
60°	331.2	331.8	332.7	333.9	335.4	336.0	334.1	332.1	334.1	336.0	335.4
62.5°	306.7	307.3	308.3	309.6	311.3	312.0	310.1	308.1	310.1	312.0	311.3
65°	270.0	270.7	271.7	272.9	274.3	275.0	273.3	271.6	273.3	275.0	274.3
67.5°	231.8	232.7	234.1	235.5	236.9	237.6	236.2	234.7	236.2	237.6	236.9
70°	207.2	208.1	209.4	210.6	211.8	212.3	210.9	209.4	210.9	212.3	211.8
72.5°	182.4	183.1	184.2	185.4	186.8	187.5	186.2	185.0	186.2	187.5	186.8
75°	145.0	146.0	147.2	148.2	148.9	149.2	148.5	147.8	148.5	149.2	148.9
77.5°	107.7	108.5	109.4	110.3	111.2	111.9	111.9	111.9	111.9	111.9	111.2
80°	85.0	85.6	86.3	87.1	87.8	88.3	88.3	88.3	88.3	88.3	87.8
82.5°	61.6	62.4	63.5	64.4	65.1	65.8	66.1	66.5	66.1	65.8	65.1
85°	30.5	31.3	32.2	33.1	33.8	34.5	35.0	35.4	35.0	34.5	33.8
87.5°	12.9	13.2	14.0	14.4	14.1	13.5	12.5	11.8	12.5	13.2	14.7
90°	29.7	28.3	28.3	26.9	22.6	17.0	9.9	4.2	9.9	15.6	25.5
92.5°	35.4	35.1	32.8	30.3	24.9	24.9	24.6	15.6	26.9	38.2	54.9
95°	32.5	32.5	38.2	48.1	70.7	72.2	48.1	43.9	62.3	87.7	110.4
97.5°	88.0	104.7	128.5	133.0	125.9	93.9	90.0	83.8	114.0	139.2	175.7
100°	162.7	183.9	200.9	166.9	131.6	130.2	121.7	118.8	151.4	175.4	210.8
102.5°	254.4	260.9	202.0	182.8	174.6	168.6	155.6	153.9	186.5	219.6	249.3
105°	275.9	247.6	249.0	249.0	243.3	232.0	208.0	206.6	243.3	281.5	318.3
107.5°	324.6	328.8	336.2	334.5	328.0	297.7	269.4	262.9	296.0	341.8	382.3
110°	389.1	393.3	396.1	393.3	383.4	345.2	311.3	301.4	331.1	379.2	423.0



TEST NUMBER: P1427752

CATALOG NUMBER: SQ2W-F-K-100U-050D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	451.3	454.4	460.7	452.2	435.5	391.6	353.1	338.7	368.4	417.7	462.6
115°	550.4	550.4	551.8	547.5	513.6	468.3	417.4	396.1	421.6	466.9	516.4
117.5°	647.7	649.4	643.7	632.4	593.1	540.5	483.3	449.3	469.4	517.3	568.2
120°	708.8	711.6	706.0	689.0	650.8	591.4	526.3	486.7	502.3	548.9	599.9
122.5°	772.2	771.6	764.8	745.6	700.6	638.9	575.0	526.3	532.8	576.1	625.9
125°	860.2	858.8	853.1	830.5	783.8	720.1	645.2	585.7	577.2	614.0	665.0
127.5°	944.0	940.8	932.1	904.6	856.8	795.4	713.1	645.7	626.8	650.0	696.7
130°	1001.7	997.4	981.9	952.2	905.5	847.5	764.0	687.6	660.7	674.9	715.9
132.5°	1057.1	1045.0	1031.7	999.7	956.4	896.1	811.5	731.7	694.7	700.9	732.9
135°	1127.6	1116.3	1099.3	1068.2	1027.2	967.7	882.8	796.5	745.6	739.9	758.3
137.5°	1189.6	1177.7	1158.4	1131.6	1090.3	1037.3	955.8	864.7	800.5	781.5	788.6
140°	1228.1	1213.9	1196.9	1170.0	1133.3	1078.1	998.9	911.1	839.0	812.1	807.9
142.5°	1259.7	1249.0	1230.9	1206.3	1174.0	1118.8	1041.9	955.3	878.6	843.8	833.9
145°	1307.3	1298.8	1279.0	1256.4	1229.5	1174.3	1103.6	1017.2	940.8	895.6	874.4
147.5°	1347.5	1340.7	1325.1	1298.5	1275.9	1223.0	1158.4	1082.0	1003.7	947.6	920.2
150°	1372.4	1366.7	1351.1	1325.7	1303.0	1253.5	1191.3	1120.5	1045.5	986.1	950.8
152.5°	1396.1	1390.5	1372.6	1347.2	1327.9	1281.8	1225.2	1157.9	1081.8	1022.3	985.8
155°	1427.5	1420.5	1403.5	1379.4	1362.5	1320.0	1267.7	1208.2	1143.2	1080.9	1039.9
157.5°	1452.4	1443.7	1427.8	1407.2	1389.1	1350.0	1304.5	1253.2	1196.4	1136.9	1095.1
160°	1467.2	1457.3	1440.3	1421.9	1404.9	1368.1	1327.1	1280.4	1228.1	1174.3	1129.0
162.5°	1477.3	1468.6	1448.2	1432.1	1417.4	1384.0	1345.2	1303.0	1256.4	1209.4	1167.5
165°	1488.4	1478.5	1457.3	1444.5	1431.8	1403.5	1369.5	1335.6	1296.0	1257.8	1223.8
167.5°	1489.2	1481.0	1459.8	1447.4	1438.0	1413.7	1386.2	1360.2	1329.4	1299.4	1271.1
170°	1487.0	1479.9	1458.7	1447.4	1440.3	1420.5	1396.4	1373.8	1349.7	1324.3	1301.6
172.5°	1479.0	1472.0	1451.9	1442.8	1439.1	1421.6	1402.1	1385.1	1364.4	1345.8	1327.7
175°	1458.7	1453.0	1436.0	1430.4	1431.8	1420.5	1406.3	1396.4	1383.7	1372.4	1362.5
177.5°	1429.0	1425.6	1413.1	1413.1	1417.6	1410.8	1406.3	1401.8	1396.1	1392.7	1389.3
180°	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7



TEST NUMBER: P1427752

CATALOG NUMBER: SQ2W-F-K-100U-050D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	774.4	774.4	774.4	774.4	774.4	774.4	774.4	774.4	774.4	774.4	774.4
2.5°	773.0	771.8	772.5	773.2	773.6	774.0	773.6	773.2	772.5	771.8	773.0
5°	770.9	769.2	769.7	770.7	773.1	775.5	773.1	770.7	769.7	769.2	770.9
7.5°	765.0	763.5	764.1	765.1	767.6	770.2	767.6	765.1	764.1	763.5	765.0
10°	759.5	758.0	759.0	760.2	762.1	764.1	762.1	760.2	759.0	758.0	759.5
12.5°	753.6	752.1	752.7	753.7	755.8	758.0	755.8	753.7	752.7	752.1	753.6
15°	741.8	740.4	741.2	742.2	744.1	746.1	744.1	742.2	741.2	740.4	741.8
17.5°	727.0	725.9	726.7	727.7	729.4	731.1	729.4	727.7	726.7	725.9	727.0
20°	716.6	715.1	715.3	715.9	717.6	719.3	717.6	715.9	715.3	715.1	716.6
22.5°	704.7	702.9	702.4	702.5	704.6	706.7	704.6	702.5	702.4	702.9	704.7
25°	684.7	683.0	682.3	682.1	683.8	685.5	683.8	682.1	682.3	683.0	684.7
27.5°	662.4	661.1	660.6	660.5	661.7	662.9	661.7	660.5	660.6	661.1	662.4
30°	646.4	644.9	644.4	644.4	645.6	646.8	645.6	644.4	644.4	644.9	646.4
32.5°	628.7	627.2	627.1	627.4	628.8	630.2	628.8	627.4	627.1	627.2	628.7
35°	601.8	600.6	600.8	601.3	602.5	603.7	602.5	601.3	600.8	600.6	601.8
37.5°	574.5	573.3	573.2	573.4	574.5	575.5	574.5	573.4	573.2	573.3	574.5
40°	555.4	554.0	553.7	553.9	555.1	556.3	555.1	553.9	553.7	554.0	555.4
42.5°	535.2	534.1	534.2	534.5	535.1	535.8	535.1	534.5	534.2	534.1	535.2
45°	504.5	503.4	503.4	503.5	504.0	504.5	504.0	503.5	503.4	503.4	504.5
47.5°	472.5	471.5	471.2	471.2	471.9	472.7	471.9	471.2	471.2	471.5	472.5
50°	450.2	449.1	448.7	448.5	449.5	450.5	449.5	448.5	448.7	449.1	450.2
52.5°	428.0	426.8	426.1	425.8	426.6	427.4	426.6	425.8	426.1	426.8	428.0
55°	393.9	392.7	391.8	391.1	391.6	392.1	391.6	391.1	391.8	392.7	393.9
57.5°	358.3	357.1	355.9	355.2	355.9	356.6	355.9	355.2	355.9	357.1	358.3
60°	333.9	332.7	331.8	331.2	331.6	332.1	331.6	331.2	331.8	332.7	333.9
62.5°	309.6	308.3	307.3	306.7	307.2	307.7	307.2	306.7	307.3	308.3	309.6
65°	272.9	271.7	270.7	270.0	270.3	270.5	270.3	270.0	270.7	271.7	272.9
67.5°	235.5	234.1	232.7	231.8	232.2	232.5	232.2	231.8	232.7	234.1	235.5
70°	210.6	209.4	208.1	207.2	207.2	207.2	207.2	207.2	208.1	209.4	210.6
72.5°	185.4	184.2	183.1	182.4	182.4	182.4	182.4	182.4	183.1	184.2	185.4
75°	148.2	147.2	146.0	145.0	144.8	144.5	144.8	145.0	146.0	147.2	148.2
77.5°	110.3	109.4	108.5	107.7	107.4	107.1	107.4	107.7	108.5	109.4	110.3
80°	87.1	86.3	85.6	85.0	84.5	84.0	84.5	85.0	85.6	86.3	87.1
82.5°	64.4	63.5	62.4	61.6	62.1	62.6	62.1	61.6	62.4	63.5	64.4
85°	33.1	32.2	31.3	30.5	30.2	30.0	30.2	30.5	31.3	32.2	33.1
87.5°	15.5	16.8	18.0	18.5	19.5	18.7	19.5	18.5	18.0	16.8	15.5
90°	32.5	42.4	52.3	58.0	63.7	60.8	63.7	58.0	52.3	42.4	32.5
92.5°	65.4	82.1	94.2	104.4	108.9	108.4	108.9	104.4	94.2	82.1	65.4
95°	131.6	151.4	171.2	185.3	193.8	191.0	193.8	185.3	171.2	151.4	131.6
97.5°	202.9	229.5	251.6	264.9	273.3	279.0	273.3	264.9	251.6	229.5	202.9
100°	250.4	275.9	301.4	316.9	331.1	336.7	331.1	316.9	301.4	275.9	250.4
102.5°	288.9	322.3	350.0	366.7	378.6	384.3	378.6	366.7	350.0	322.3	288.9
105°	352.3	387.7	417.4	438.6	451.3	455.6	451.3	438.6	417.4	387.7	352.3
107.5°	415.7	452.2	479.6	503.1	518.7	527.7	518.7	503.1	479.6	452.2	415.7
110°	465.5	495.2	524.9	546.1	561.7	567.3	561.7	546.1	524.9	495.2	465.5



TEST NUMBER: P1427752

CATALOG NUMBER: SQ2W-F-K-100U-050D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	507.4	540.5	570.2	591.4	609.2	617.1	609.2	591.4	570.2	540.5	507.4
115°	565.9	609.8	636.7	656.5	669.2	676.3	669.2	656.5	636.7	609.8	565.9
117.5°	614.6	660.4	689.9	705.1	711.1	716.2	711.1	705.1	689.9	660.4	614.6
120°	645.2	687.6	721.6	741.4	748.4	751.3	748.4	741.4	721.6	687.6	645.2
122.5°	673.4	713.6	746.5	770.8	782.4	785.2	782.4	770.8	746.5	713.6	673.4
125°	713.1	751.3	785.2	809.3	822.0	829.1	822.0	809.3	785.2	751.3	713.1
127.5°	747.6	788.9	820.0	841.8	854.3	859.9	854.3	841.8	820.0	788.9	747.6
130°	766.8	809.3	840.4	864.4	875.8	881.4	875.8	864.4	840.4	809.3	766.8
132.5°	781.5	826.2	858.5	880.3	892.7	898.4	892.7	880.3	858.5	826.2	781.5
135°	799.4	846.1	880.0	901.2	912.6	918.2	912.6	901.2	880.0	846.1	799.4
137.5°	814.9	857.4	892.7	915.1	925.3	929.0	925.3	915.1	892.7	857.4	814.9
140°	826.2	863.0	898.4	919.6	930.9	932.4	930.9	919.6	898.4	863.0	826.2
142.5°	841.0	869.8	900.7	921.9	933.2	935.8	933.2	921.9	900.7	869.8	841.0
145°	867.3	884.3	905.5	925.3	935.2	938.0	935.2	925.3	905.5	884.3	867.3
147.5°	900.4	905.8	916.8	929.8	939.4	941.4	939.4	929.8	916.8	905.8	900.4
150°	925.3	923.9	928.1	936.6	945.1	943.7	945.1	936.6	928.1	923.9	925.3
152.5°	953.6	945.4	945.1	949.1	953.0	952.7	953.0	949.1	945.1	945.4	953.6
155°	1001.7	986.1	977.6	974.8	974.8	973.4	974.8	974.8	977.6	986.1	1001.7
157.5°	1054.6	1032.8	1020.1	1013.3	1011.3	1008.2	1011.3	1013.3	1020.1	1032.8	1054.6
160°	1090.8	1066.8	1054.0	1042.7	1038.5	1034.2	1038.5	1042.7	1054.0	1066.8	1090.8
162.5°	1124.8	1101.9	1088.0	1077.8	1073.6	1067.1	1073.6	1077.8	1088.0	1101.9	1124.8
165°	1180.0	1155.9	1140.3	1131.8	1126.2	1120.5	1126.2	1131.8	1140.3	1155.9	1180.0
167.5°	1235.1	1208.8	1198.6	1189.0	1183.6	1173.4	1183.6	1189.0	1198.6	1208.8	1235.1
170°	1269.1	1245.0	1239.4	1230.9	1221.0	1209.7	1221.0	1230.9	1239.4	1245.0	1269.1
172.5°	1298.5	1282.4	1276.7	1268.2	1265.1	1256.1	1265.1	1268.2	1276.7	1282.4	1298.5
175°	1341.2	1328.5	1328.5	1327.1	1322.8	1314.4	1322.8	1327.1	1328.5	1328.5	1341.2
177.5°	1376.9	1370.1	1374.6	1374.6	1373.5	1365.6	1373.5	1374.6	1374.6	1370.1	1376.9
180°	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7



TEST NUMBER: P1427752

CATALOG NUMBER: SQ2W-F-K-100U-050D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	774.4	774.4	774.4	774.4
2.5°	776.3	777.9	774.2	770.5
5°	774.8	776.5	771.6	766.8
7.5°	768.7	770.3	765.4	760.6
10°	763.3	765.0	760.2	755.3
12.5°	757.1	758.5	753.6	748.8
15°	745.2	746.5	741.6	736.8
17.5°	730.2	731.4	726.8	722.3
20°	719.7	721.0	716.6	712.3
22.5°	707.6	708.8	704.4	700.0
25°	687.3	688.3	683.9	679.5
27.5°	664.7	665.4	661.8	658.1
30°	648.8	649.7	646.1	642.4
32.5°	631.5	632.7	629.3	625.9
35°	604.4	605.7	602.8	599.9
37.5°	577.0	578.3	576.1	573.8
40°	558.1	559.5	557.1	554.6
42.5°	537.4	538.7	536.8	535.0
45°	506.6	507.9	506.2	504.5
47.5°	474.2	475.1	473.8	472.5
50°	451.9	452.8	451.1	449.4
52.5°	429.7	430.5	428.6	426.7
55°	395.4	395.9	393.8	391.6
57.5°	359.5	360.0	357.8	355.7
60°	335.4	336.0	334.1	332.1
62.5°	311.3	312.0	310.1	308.1
65°	274.3	275.0	273.3	271.6
67.5°	236.9	237.6	236.2	234.7
70°	211.8	212.3	210.9	209.4
72.5°	186.8	187.5	186.2	185.0
75°	148.9	149.2	148.5	147.8
77.5°	111.2	111.9	111.9	111.9
80°	87.8	88.3	88.3	88.3
82.5°	65.1	65.8	66.1	66.5
85°	33.8	34.5	35.0	35.4
87.5°	14.7	13.2	12.5	11.8
90°	25.5	15.6	9.9	4.2
92.5°	54.9	38.2	26.9	15.6
95°	110.4	87.7	62.3	43.9
97.5°	175.7	139.2	114.0	83.8
100°	210.8	175.4	151.4	118.8
102.5°	249.3	219.6	186.5	153.9
105°	318.3	281.5	243.3	206.6
107.5°	382.3	341.8	296.0	262.9
110°	423.0	379.2	331.1	301.4



TEST NUMBER: P1427752

CATALOG NUMBER: SQ2W-F-K-100U-050D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
112.5°	462.6	417.7	368.4	338.7
115°	516.4	466.9	421.6	396.1
117.5°	568.2	517.3	469.4	449.3
120°	599.9	548.9	502.3	486.7
122.5°	625.9	576.1	532.8	526.3
125°	665.0	614.0	577.2	585.7
127.5°	696.7	650.0	626.8	645.7
130°	715.9	674.9	660.7	687.6
132.5°	732.9	700.9	694.7	731.7
135°	758.3	739.9	745.6	796.5
137.5°	788.6	781.5	800.5	864.7
140°	807.9	812.1	839.0	911.1
142.5°	833.9	843.8	878.6	955.3
145°	874.4	895.6	940.8	1017.2
147.5°	920.2	947.6	1003.7	1082.0
150°	950.8	986.1	1045.5	1120.5
152.5°	985.8	1022.3	1081.8	1157.9
155°	1039.9	1080.9	1143.2	1208.2
157.5°	1095.1	1136.9	1196.4	1253.2
160°	1129.0	1174.3	1228.1	1280.4
162.5°	1167.5	1209.4	1256.4	1303.0
165°	1223.8	1257.8	1296.0	1335.6
167.5°	1271.1	1299.4	1329.4	1360.2
170°	1301.6	1324.3	1349.7	1373.8
172.5°	1327.7	1345.8	1364.4	1385.1
175°	1362.5	1372.4	1383.7	1396.4
177.5°	1389.3	1392.7	1396.1	1401.8
180°	1400.7	1400.7	1400.7	1400.7



TEST NUMBER: P1427752  
 CATALOG NUMBER: SQ2W-F-K-100U-050D-L940-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	15.05	15.79	16.12	16.87	18.34	14.96	15.71	16.04	16.79	18.26
	3H	16.83	17.50	17.91	18.58	20.07	16.72	17.39	17.81	18.48	19.97
	4H	17.52	18.15	18.61	19.24	20.74	17.40	18.04	18.50	19.13	20.62
	6H	17.95	18.53	19.05	19.62	21.13	17.81	18.39	18.91	19.48	20.99
	8H	18.11	18.66	19.21	19.77	21.27	17.95	18.51	19.06	19.61	21.12
	12H	18.19	18.71	19.30	19.82	21.34	18.01	18.54	19.12	19.64	21.16
4H	2H	15.61	16.25	16.71	17.34	18.83	15.55	16.18	16.65	17.27	18.77
	3H	17.62	18.15	18.73	19.27	20.78	17.53	18.06	18.64	19.18	20.68
	4H	18.43	18.92	19.55	20.02	21.55	18.32	18.81	19.43	19.91	21.44
	6H	18.98	19.40	20.10	20.52	22.05	18.84	19.26	19.96	20.38	21.90
	8H	19.19	19.58	20.31	20.70	22.24	19.03	19.42	20.15	20.54	22.08
	12H	19.30	19.65	20.44	20.78	22.33	19.11	19.47	20.25	20.60	22.14
8H	4H	18.67	19.06	19.79	20.18	21.71	18.57	18.96	19.69	20.08	21.62
	6H	19.35	19.67	20.49	20.84	22.37	19.22	19.54	20.36	20.70	22.24
	8H	19.65	19.94	20.80	21.08	22.63	19.50	19.78	20.65	20.92	22.48
	12H	19.83	20.08	20.98	21.22	22.81	19.64	19.89	20.79	21.03	22.62
12H	4H	18.66	19.01	19.79	20.14	21.68	18.56	18.92	19.70	20.05	21.59
	6H	19.40	19.68	20.55	20.82	22.38	19.27	19.56	20.42	20.70	22.25
	8H	19.73	19.98	20.88	21.11	22.70	19.58	19.83	20.73	20.96	22.55