

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: P1427751

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

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1427751  
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-L935-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: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

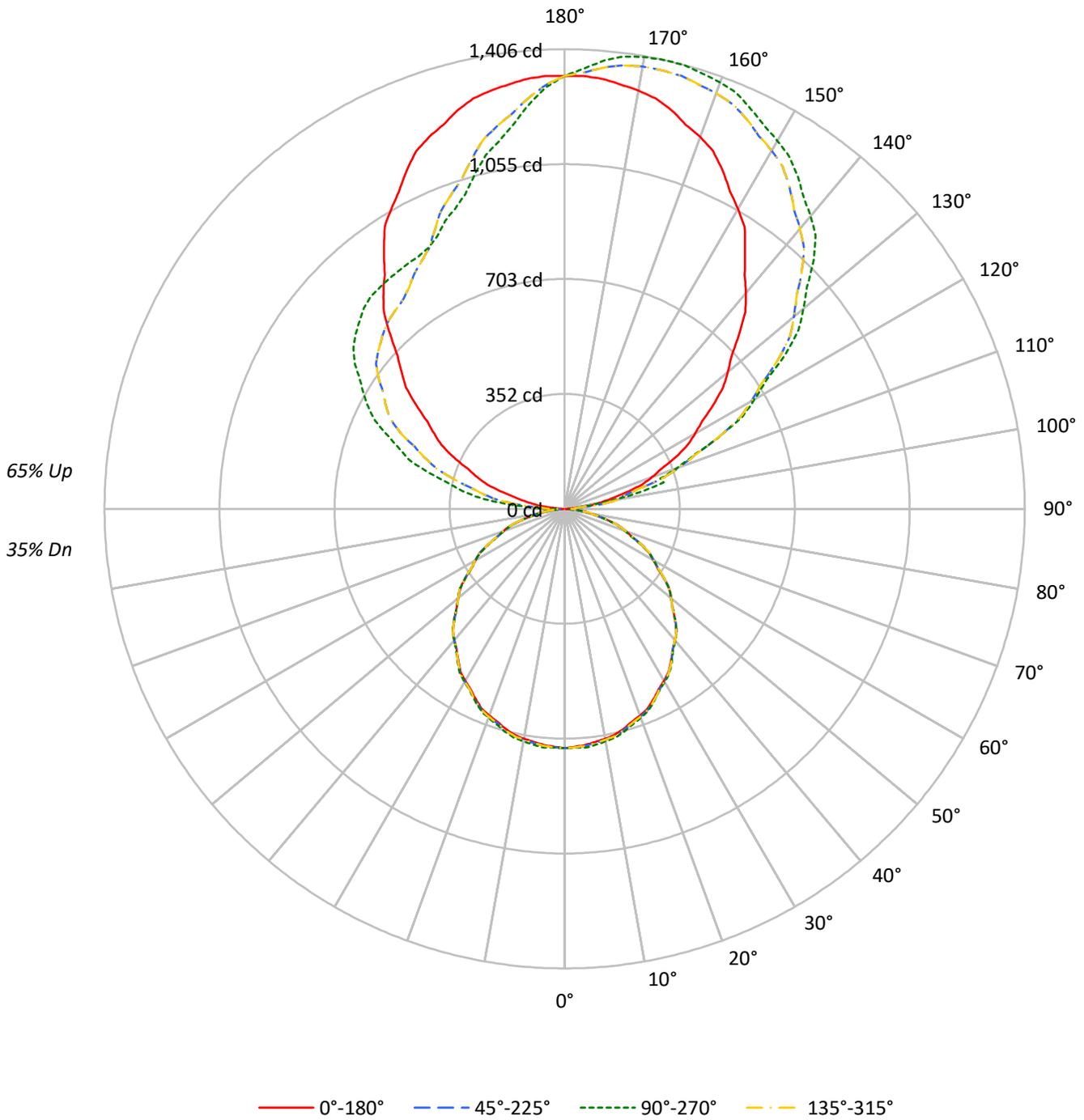
Lumens per Lamp: N/A  
Luminaire Lumens: 5932.3 lumens  
Efficiency: N/A  
Efficacy: 116.5 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.25 / 1.36  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

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-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	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°	11820	11820	11820	11820
5°	11749	11883	11749	11883
10°	11707	11842	11707	11842
15°	11644	11789	11644	11789
20°	11570	11685	11570	11685
25°	11444	11546	11444	11546
30°	11324	11400	11324	11400
35°	11178	11251	11178	11251
40°	11050	11084	11050	11084
45°	10889	10889	10889	10889
50°	10670	10698	10670	10698
55°	10421	10435	10421	10435
60°	10139	10139	10139	10139
65°	9811	9769	9811	9769
70°	9347	9248	9347	9248
75°	8715	8521	8715	8521
80°	7764	7382	7764	7382
85°	6206	5261	6206	5261

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 10962 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	69.3	1.2
10°-20°	197.9	3.3
20°-30°	297.9	5.0
30°-40°	356.3	6.0
40°-50°	367.9	6.2
50°-60°	331.8	5.6
60°-70°	254.2	4.3
70°-80°	146.9	2.5
80°-90°	43.6	0.7
90°-100°	105.4	1.8
100°-110°	307.3	5.2
110°-120°	501.5	8.5
120°-130°	636.4	10.7
130°-140°	681.0	11.5
140°-150°	635.9	10.7
150°-160°	523.2	8.8
160°-170°	350.9	5.9
170°-180°	124.6	2.1
0°-30°	565.2	9.5
0°-40°	921.5	15.5
0°-60°	1621.2	27.3
0°-90°	2066.0	34.8
90°-120°	914.2	15.4
90°-150°	2867.5	48.3
90°-180°	3866.0	65.2
0°-180°	5932.3	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	732	732	732	732	732	
5°	725	733	725	733	725	69
15°	697	705	697	705	697	196
25°	642	648	642	648	642	296
35°	567	571	567	571	567	355
45°	477	477	477	477	477	367
55°	370	371	370	371	370	331
65°	257	256	257	256	257	254
75°	140	137	140	137	140	148
85°	34	28	34	28	34	39
90°	4	29	4	58	4	5
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°	732.1	732.1	732.1	732.1	732.1	732.1	732.1	732.1	732.1	732.1	732.1
2.5°	728.4	731.9	735.4	733.9	730.8	729.6	730.3	731.0	731.4	731.7	731.4
5°	724.9	729.5	734.1	732.5	728.8	727.2	727.7	728.6	730.9	733.2	730.9
7.5°	719.0	723.6	728.2	726.7	723.2	721.8	722.3	723.3	725.7	728.1	725.7
10°	714.1	718.7	723.2	721.6	718.0	716.6	717.5	718.7	720.5	722.3	720.5
12.5°	707.9	712.5	717.1	715.7	712.4	711.1	711.6	712.5	714.5	716.6	714.5
15°	696.6	701.1	705.7	704.5	701.3	700.0	700.7	701.7	703.5	705.3	703.5
17.5°	682.8	687.1	691.5	690.3	687.3	686.2	687.0	688.0	689.6	691.2	689.6
20°	673.4	677.5	681.6	680.4	677.4	676.0	676.3	676.8	678.5	680.1	678.5
22.5°	661.8	665.9	670.1	669.0	666.2	664.5	664.0	664.2	666.1	668.1	666.1
25°	642.4	646.5	650.7	649.8	647.3	645.7	645.0	644.9	646.5	648.1	646.5
27.5°	622.2	625.6	629.1	628.4	626.3	625.0	624.5	624.5	625.6	626.7	625.6
30°	607.4	610.8	614.2	613.4	611.1	609.7	609.2	609.2	610.3	611.5	610.3
32.5°	591.7	594.9	598.2	597.0	594.4	593.0	592.9	593.2	594.5	595.8	594.5
35°	567.1	569.9	572.6	571.4	568.9	567.8	568.0	568.5	569.6	570.8	569.6
37.5°	542.5	544.6	546.7	545.5	543.2	542.0	541.9	542.1	543.1	544.0	543.1
40°	524.3	526.6	528.9	527.6	525.1	523.7	523.5	523.6	524.8	525.9	524.8
42.5°	505.8	507.5	509.3	508.1	505.9	504.9	505.1	505.3	505.9	506.5	505.9
45°	476.9	478.5	480.1	479.0	476.9	475.9	475.9	476.0	476.5	476.9	476.5
47.5°	446.7	447.9	449.2	448.3	446.7	445.7	445.5	445.4	446.2	446.9	446.2
50°	424.8	426.4	428.0	427.2	425.6	424.6	424.2	424.0	425.0	425.9	425.0
52.5°	403.4	405.2	407.0	406.2	404.6	403.5	402.8	402.5	403.3	404.0	403.3
55°	370.2	372.3	374.3	373.8	372.4	371.3	370.4	369.8	370.2	370.7	370.2
57.5°	336.3	338.3	340.3	339.9	338.7	337.6	336.5	335.8	336.4	337.1	336.4
60°	314.0	315.8	317.7	317.1	315.7	314.6	313.6	313.1	313.5	314.0	313.5
62.5°	291.3	293.1	295.0	294.3	292.7	291.5	290.5	290.0	290.4	290.9	290.4
65°	256.8	258.4	260.0	259.3	258.0	256.8	255.9	255.3	255.5	255.7	255.5
67.5°	221.9	223.3	224.7	224.0	222.7	221.3	220.0	219.1	219.5	219.8	219.5
70°	198.0	199.4	200.7	200.2	199.1	197.9	196.8	195.9	195.9	195.9	195.9
72.5°	174.9	176.1	177.3	176.6	175.2	174.1	173.1	172.4	172.4	172.4	172.4
75°	139.7	140.4	141.1	140.8	140.1	139.2	138.0	137.1	136.9	136.6	136.9
77.5°	105.8	105.8	105.8	105.1	104.3	103.4	102.5	101.8	101.5	101.3	101.5
80°	83.5	83.5	83.5	83.0	82.3	81.6	80.9	80.3	79.9	79.4	79.9
82.5°	62.9	62.5	62.2	61.6	60.9	60.0	58.9	58.3	58.7	59.2	58.7
85°	33.5	33.1	32.6	32.0	31.3	30.5	29.6	28.8	28.6	28.4	28.6
87.5°	11.1	11.8	12.8	13.4	13.6	13.2	12.5	12.2	12.3	12.1	12.3
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°	732.1	732.1	732.1	732.1	732.1	732.1	732.1	732.1	732.1	732.1	732.1
2.5°	731.0	730.3	729.6	730.8	733.9	735.4	731.9	728.4	731.9	735.4	733.9
5°	728.6	727.7	727.2	728.8	732.5	734.1	729.5	724.9	729.5	734.1	732.5
7.5°	723.3	722.3	721.8	723.2	726.7	728.2	723.6	719.0	723.6	728.2	726.7
10°	718.7	717.5	716.6	718.0	721.6	723.2	718.7	714.1	718.7	723.2	721.6
12.5°	712.5	711.6	711.1	712.4	715.7	717.1	712.5	707.9	712.5	717.1	715.7
15°	701.7	700.7	700.0	701.3	704.5	705.7	701.1	696.6	701.1	705.7	704.5
17.5°	688.0	687.0	686.2	687.3	690.3	691.5	687.1	682.8	687.1	691.5	690.3
20°	676.8	676.3	676.0	677.4	680.4	681.6	677.5	673.4	677.5	681.6	680.4
22.5°	664.2	664.0	664.5	666.2	669.0	670.1	665.9	661.8	665.9	670.1	669.0
25°	644.9	645.0	645.7	647.3	649.8	650.7	646.5	642.4	646.5	650.7	649.8
27.5°	624.5	624.5	625.0	626.3	628.4	629.1	625.6	622.2	625.6	629.1	628.4
30°	609.2	609.2	609.7	611.1	613.4	614.2	610.8	607.4	610.8	614.2	613.4
32.5°	593.2	592.9	593.0	594.4	597.0	598.2	594.9	591.7	594.9	598.2	597.0
35°	568.5	568.0	567.8	568.9	571.4	572.6	569.9	567.1	569.9	572.6	571.4
37.5°	542.1	541.9	542.0	543.2	545.5	546.7	544.6	542.5	544.6	546.7	545.5
40°	523.6	523.5	523.7	525.1	527.6	528.9	526.6	524.3	526.6	528.9	527.6
42.5°	505.3	505.1	504.9	505.9	508.1	509.3	507.5	505.8	507.5	509.3	508.1
45°	476.0	475.9	475.9	476.9	479.0	480.1	478.5	476.9	478.5	480.1	479.0
47.5°	445.4	445.5	445.7	446.7	448.3	449.2	447.9	446.7	447.9	449.2	448.3
50°	424.0	424.2	424.6	425.6	427.2	428.0	426.4	424.8	426.4	428.0	427.2
52.5°	402.5	402.8	403.5	404.6	406.2	407.0	405.2	403.4	405.2	407.0	406.2
55°	369.8	370.4	371.3	372.4	373.8	374.3	372.3	370.2	372.3	374.3	373.8
57.5°	335.8	336.5	337.6	338.7	339.9	340.3	338.3	336.3	338.3	340.3	339.9
60°	313.1	313.6	314.6	315.7	317.1	317.7	315.8	314.0	315.8	317.7	317.1
62.5°	290.0	290.5	291.5	292.7	294.3	295.0	293.1	291.3	293.1	295.0	294.3
65°	255.3	255.9	256.8	258.0	259.3	260.0	258.4	256.8	258.4	260.0	259.3
67.5°	219.1	220.0	221.3	222.7	224.0	224.7	223.3	221.9	223.3	224.7	224.0
70°	195.9	196.8	197.9	199.1	200.2	200.7	199.4	198.0	199.4	200.7	200.2
72.5°	172.4	173.1	174.1	175.2	176.6	177.3	176.1	174.9	176.1	177.3	176.6
75°	137.1	138.0	139.2	140.1	140.8	141.1	140.4	139.7	140.4	141.1	140.8
77.5°	101.8	102.5	103.4	104.3	105.1	105.8	105.8	105.8	105.8	105.8	105.1
80°	80.3	80.9	81.6	82.3	83.0	83.5	83.5	83.5	83.5	83.5	83.0
82.5°	58.3	58.9	60.0	60.9	61.6	62.2	62.5	62.9	62.5	62.2	61.6
85°	28.8	29.6	30.5	31.3	32.0	32.6	33.1	33.5	33.1	32.6	32.0
87.5°	12.2	12.5	13.2	13.6	13.4	12.8	11.8	11.1	11.8	12.5	13.9
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: P1427751

CATALOG NUMBER: SQ2W-F-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: P1427751

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

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	732.1	732.1	732.1	732.1	732.1	732.1	732.1	732.1	732.1	732.1	732.1
2.5°	730.8	729.6	730.3	731.0	731.4	731.7	731.4	731.0	730.3	729.6	730.8
5°	728.8	727.2	727.7	728.6	730.9	733.2	730.9	728.6	727.7	727.2	728.8
7.5°	723.2	721.8	722.3	723.3	725.7	728.1	725.7	723.3	722.3	721.8	723.2
10°	718.0	716.6	717.5	718.7	720.5	722.3	720.5	718.7	717.5	716.6	718.0
12.5°	712.4	711.1	711.6	712.5	714.5	716.6	714.5	712.5	711.6	711.1	712.4
15°	701.3	700.0	700.7	701.7	703.5	705.3	703.5	701.7	700.7	700.0	701.3
17.5°	687.3	686.2	687.0	688.0	689.6	691.2	689.6	688.0	687.0	686.2	687.3
20°	677.4	676.0	676.3	676.8	678.5	680.1	678.5	676.8	676.3	676.0	677.4
22.5°	666.2	664.5	664.0	664.2	666.1	668.1	666.1	664.2	664.0	664.5	666.2
25°	647.3	645.7	645.0	644.9	646.5	648.1	646.5	644.9	645.0	645.7	647.3
27.5°	626.3	625.0	624.5	624.5	625.6	626.7	625.6	624.5	624.5	625.0	626.3
30°	611.1	609.7	609.2	609.2	610.3	611.5	610.3	609.2	609.2	609.7	611.1
32.5°	594.4	593.0	592.9	593.2	594.5	595.8	594.5	593.2	592.9	593.0	594.4
35°	568.9	567.8	568.0	568.5	569.6	570.8	569.6	568.5	568.0	567.8	568.9
37.5°	543.2	542.0	541.9	542.1	543.1	544.0	543.1	542.1	541.9	542.0	543.2
40°	525.1	523.7	523.5	523.6	524.8	525.9	524.8	523.6	523.5	523.7	525.1
42.5°	505.9	504.9	505.1	505.3	505.9	506.5	505.9	505.3	505.1	504.9	505.9
45°	476.9	475.9	475.9	476.0	476.5	476.9	476.5	476.0	475.9	475.9	476.9
47.5°	446.7	445.7	445.5	445.4	446.2	446.9	446.2	445.4	445.5	445.7	446.7
50°	425.6	424.6	424.2	424.0	425.0	425.9	425.0	424.0	424.2	424.6	425.6
52.5°	404.6	403.5	402.8	402.5	403.3	404.0	403.3	402.5	402.8	403.5	404.6
55°	372.4	371.3	370.4	369.8	370.2	370.7	370.2	369.8	370.4	371.3	372.4
57.5°	338.7	337.6	336.5	335.8	336.4	337.1	336.4	335.8	336.5	337.6	338.7
60°	315.7	314.6	313.6	313.1	313.5	314.0	313.5	313.1	313.6	314.6	315.7
62.5°	292.7	291.5	290.5	290.0	290.4	290.9	290.4	290.0	290.5	291.5	292.7
65°	258.0	256.8	255.9	255.3	255.5	255.7	255.5	255.3	255.9	256.8	258.0
67.5°	222.7	221.3	220.0	219.1	219.5	219.8	219.5	219.1	220.0	221.3	222.7
70°	199.1	197.9	196.8	195.9	195.9	195.9	195.9	195.9	196.8	197.9	199.1
72.5°	175.2	174.1	173.1	172.4	172.4	172.4	172.4	172.4	173.1	174.1	175.2
75°	140.1	139.2	138.0	137.1	136.9	136.6	136.9	137.1	138.0	139.2	140.1
77.5°	104.3	103.4	102.5	101.8	101.5	101.3	101.5	101.8	102.5	103.4	104.3
80°	82.3	81.6	80.9	80.3	79.9	79.4	79.9	80.3	80.9	81.6	82.3
82.5°	60.9	60.0	58.9	58.3	58.7	59.2	58.7	58.3	58.9	60.0	60.9
85°	31.3	30.5	29.6	28.8	28.6	28.4	28.6	28.8	29.6	30.5	31.3
87.5°	14.7	15.9	17.0	17.5	18.4	17.7	18.4	17.5	17.0	15.9	14.7
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: P1427751

CATALOG NUMBER: SQ2W-F-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: P1427751

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

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	732.1	732.1	732.1	732.1
2.5°	733.9	735.4	731.9	728.4
5°	732.5	734.1	729.5	724.9
7.5°	726.7	728.2	723.6	719.0
10°	721.6	723.2	718.7	714.1
12.5°	715.7	717.1	712.5	707.9
15°	704.5	705.7	701.1	696.6
17.5°	690.3	691.5	687.1	682.8
20°	680.4	681.6	677.5	673.4
22.5°	669.0	670.1	665.9	661.8
25°	649.8	650.7	646.5	642.4
27.5°	628.4	629.1	625.6	622.2
30°	613.4	614.2	610.8	607.4
32.5°	597.0	598.2	594.9	591.7
35°	571.4	572.6	569.9	567.1
37.5°	545.5	546.7	544.6	542.5
40°	527.6	528.9	526.6	524.3
42.5°	508.1	509.3	507.5	505.8
45°	479.0	480.1	478.5	476.9
47.5°	448.3	449.2	447.9	446.7
50°	427.2	428.0	426.4	424.8
52.5°	406.2	407.0	405.2	403.4
55°	373.8	374.3	372.3	370.2
57.5°	339.9	340.3	338.3	336.3
60°	317.1	317.7	315.8	314.0
62.5°	294.3	295.0	293.1	291.3
65°	259.3	260.0	258.4	256.8
67.5°	224.0	224.7	223.3	221.9
70°	200.2	200.7	199.4	198.0
72.5°	176.6	177.3	176.1	174.9
75°	140.8	141.1	140.4	139.7
77.5°	105.1	105.8	105.8	105.8
80°	83.0	83.5	83.5	83.5
82.5°	61.6	62.2	62.5	62.9
85°	32.0	32.6	33.1	33.5
87.5°	13.9	12.5	11.8	11.1
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: P1427751

CATALOG NUMBER: SQ2W-F-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: P1427751

CATALOG NUMBER: SQ2W-F-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	14.85	15.60	15.93	16.68	18.15	14.77	15.51	15.84	16.59	18.06
	3H	16.63	17.30	17.72	18.39	19.88	16.53	17.20	17.61	18.29	19.77
	4H	17.32	17.96	18.42	19.05	20.54	17.21	17.84	18.30	18.93	20.43
	6H	17.75	18.34	18.86	19.43	20.94	17.61	18.20	18.72	19.29	20.80
	8H	17.91	18.47	19.02	19.57	21.08	17.75	18.31	18.86	19.42	20.92
	12H	17.99	18.52	19.10	19.62	21.15	17.81	18.34	18.93	19.44	20.97
4H	2H	15.42	16.05	16.52	17.14	18.64	15.35	15.99	16.45	17.07	18.57
	3H	17.43	17.96	18.54	19.07	20.58	17.33	17.87	18.44	18.98	20.49
	4H	18.24	18.73	19.35	19.83	21.36	18.13	18.61	19.24	19.72	21.25
	6H	18.78	19.20	19.90	20.33	21.85	18.64	19.06	19.76	20.19	21.71
	8H	18.99	19.39	20.12	20.50	22.04	18.83	19.23	19.96	20.34	21.88
	12H	19.10	19.46	20.24	20.59	22.13	18.92	19.27	20.05	20.40	21.95
8H	4H	18.47	18.86	19.59	19.98	21.52	18.37	18.77	19.50	19.88	21.42
	6H	19.16	19.48	20.30	20.64	22.17	19.02	19.35	20.17	20.51	22.04
	8H	19.46	19.74	20.61	20.88	22.44	19.30	19.59	20.45	20.73	22.28
	12H	19.64	19.89	20.79	21.02	22.61	19.45	19.69	20.60	20.83	22.42
12H	4H	18.46	18.82	19.60	19.95	21.49	18.37	18.72	19.51	19.85	21.40
	6H	19.20	19.49	20.35	20.63	22.18	19.08	19.36	20.23	20.50	22.06
	8H	19.53	19.78	20.69	20.92	22.51	19.38	19.63	20.53	20.77	22.36