

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: P1435773

Luminaire Tested: SQ2W-FA-K-050U-075D-L935-UNV-STD-W-WM-4

Issue Date: 3/24/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1435773  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2502-345-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/24/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ2W-FA-K-050U-075D-L935-UNV-STD-W-WM-4  
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE  
DOWNLIGHT - FROSTED CONTINUOUS ASYMMETRIC ROLL LENS  
UPLIGHT - ASYMMETRIC ROLL LENS  
DOWNLIGHT 750 LUMENS PER FOOT  
UPLIGHT 500 LUMENS PER FOOT  
Light Source: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

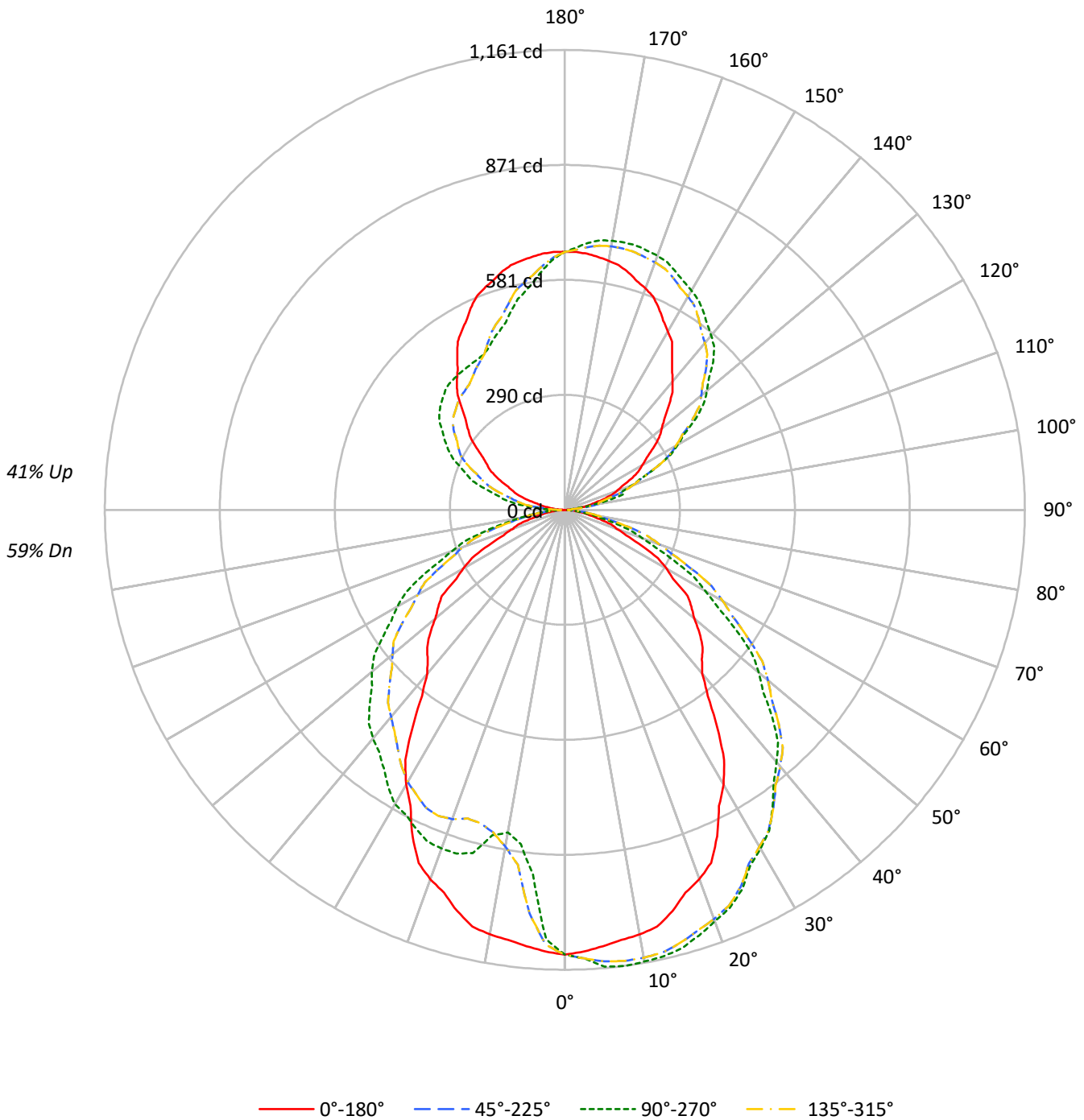
Lumens per Lamp: N/A  
Luminaire Lumens: 4692.0 lumens  
Efficiency: N/A  
Efficacy: 112.8 lumens/watt  
Spacing Criteria (0/90/45): 1.08 / 1.23 / 1.34  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 41.6  
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-FA-K-050U-075D-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	109	109	109	109	102	102	102	102	89	89	89	76	76	76	65	65	65	59				
1	100	96	92	88	93	90	86	83	78	75	73	67	66	64	58	56	55	50				
2	91	84	77	72	85	78	73	68	68	64	61	59	56	53	51	48	46	42				
3	83	74	66	60	77	69	62	57	60	55	51	52	48	45	45	42	40	36				
4	76	65	57	51	71	61	54	48	54	48	44	47	42	39	40	37	34	31				
5	70	58	50	44	65	55	47	42	48	42	38	42	37	34	36	33	30	27				
6	64	52	44	38	60	49	42	36	43	37	33	38	33	29	33	29	26	23				
7	60	47	39	33	56	44	37	32	39	33	29	34	30	26	30	26	23	21				
8	55	43	35	30	52	40	33	28	36	30	26	32	27	23	27	24	21	19				
9	52	39	32	26	48	37	30	25	33	27	23	29	24	21	25	22	19	17				
10	48	36	29	24	45	34	27	23	30	25	21	27	22	19	24	20	17	15				

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

	0°	90°	180°	270°
0°	18130	18130	18130	18130
5°	17917	18763	17917	14954
10°	17839	18980	17839	13558
15°	17532	19134	17532	14987
20°	17049	18994	17049	15630
25°	16206	18841	16206	15818
30°	14930	18420	14930	15985
35°	13212	18015	13212	15699
40°	11375	17521	11375	15871
45°	11229	16894	11229	15901
50°	10713	16071	10713	15962
55°	10660	14823	10660	15806
60°	9558	13210	9558	15742
65°	8149	11641	8149	15297
70°	6576	9861	6576	14176
75°	5702	8147	5702	13032
80°	4853	6071	4853	10525
85°	3223	3223	3223	6447

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 40°  
 Vertical Angle: 45°  
 Luminance: 17424 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	101.0	2.2
10°-20°	282.3	6.0
20°-30°	428.7	9.1
30°-40°	503.4	10.7
40°-50°	510.8	10.9
50°-60°	447.4	9.5
60°-70°	317.4	6.8
70°-80°	163.4	3.5
80°-90°	37.0	0.8
90°-100°	51.8	1.1
100°-110°	151.1	3.2
110°-120°	246.5	5.3
120°-130°	312.9	6.7
130°-140°	334.8	7.1
140°-150°	312.6	6.7
150°-160°	257.2	5.5
160°-170°	172.5	3.7
170°-180°	61.3	1.3
0°-30°	812.1	17.3
0°-40°	1315.5	28.0
0°-60°	2273.7	48.5
0°-90°	2791.4	59.5
90°-120°	449.4	9.6
90°-150°	1409.7	30.0
90°-180°	1901.0	40.5
0°-180°	4692.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1123	1123	1123	1123	1123	
5°	1106	1158	1106	923	1106	105
15°	1049	1145	1049	897	1049	295
25°	910	1058	910	888	910	415
35°	670	914	670	796	670	418
45°	492	740	492	696	492	376
55°	379	527	379	562	379	328
65°	213	305	213	400	213	213
75°	91	131	91	209	91	99
85°	17	17	17	35	17	22
90°	2	14	2	28	2	2
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°	1122.9	1122.9	1122.9	1122.9	1122.9	1122.9	1122.9	1122.9	1122.9	1122.9	1122.9
2.5°	1116.0	1123.7	1131.4	1133.4	1133.4	1133.4	1133.4	1133.4	1133.4	1133.4	1133.4
5°	1105.5	1119.1	1132.6	1138.9	1142.7	1145.6	1147.6	1150.0	1153.9	1157.7	1153.9
7.5°	1095.1	1113.2	1131.4	1140.3	1146.1	1150.8	1154.3	1157.4	1159.3	1161.2	1159.3
10°	1088.1	1109.4	1130.7	1140.3	1146.1	1150.0	1151.9	1153.9	1155.8	1157.7	1155.8
12.5°	1077.7	1100.5	1123.3	1134.5	1141.9	1146.5	1148.5	1150.4	1152.3	1154.3	1152.3
15°	1048.9	1079.9	1110.8	1122.9	1128.7	1133.6	1137.4	1140.8	1142.7	1144.7	1142.7
17.5°	1013.2	1050.8	1088.3	1103.5	1111.2	1116.8	1120.3	1123.3	1124.9	1126.4	1124.9
20°	992.3	1033.0	1073.6	1089.6	1097.3	1102.1	1104.1	1105.5	1105.5	1105.5	1105.5
22.5°	964.5	1009.8	1055.0	1072.1	1079.9	1083.9	1084.3	1085.0	1086.6	1088.1	1086.6
25°	909.7	961.9	1014.1	1035.9	1047.5	1052.3	1050.4	1049.9	1053.8	1057.6	1053.8
27.5°	842.6	908.4	974.2	996.4	1004.1	1009.0	1010.9	1012.4	1012.4	1012.4	1012.4
30°	800.8	874.3	947.9	972.0	979.8	984.6	986.5	988.0	988.0	988.0	988.0
32.5°	748.6	836.0	923.5	950.0	956.2	959.5	959.9	960.1	960.1	960.1	960.1
35°	670.3	776.7	883.1	912.6	916.4	918.4	918.4	917.9	915.9	914.0	915.9
37.5°	591.9	712.6	833.3	867.9	873.7	875.2	872.5	870.0	868.1	866.1	868.1
40°	539.7	671.2	802.8	840.0	845.8	845.8	840.0	835.2	833.2	831.3	833.2
42.5°	511.8	641.8	771.8	808.7	814.5	813.7	806.4	800.4	798.4	796.5	798.4
45°	491.8	607.9	723.9	757.3	763.1	762.2	754.4	747.6	743.8	739.9	743.8
47.5°	461.4	563.5	665.6	698.4	708.1	707.1	695.5	685.8	682.0	678.1	682.0
50°	426.5	527.1	627.7	660.1	669.8	668.8	657.2	647.5	643.7	639.8	643.7
52.5°	402.2	496.6	591.0	620.7	628.8	626.3	613.1	602.3	598.4	594.5	598.4
55°	378.7	458.0	537.3	561.5	567.3	563.4	549.9	538.2	532.4	526.6	532.4
57.5°	323.8	399.3	474.7	498.2	504.4	499.8	484.3	471.0	464.4	457.9	464.4
60°	296.0	363.7	431.4	454.1	461.8	458.0	442.5	428.5	418.8	409.1	418.8
62.5°	264.6	324.6	384.6	407.7	418.5	416.2	400.7	386.7	377.0	367.3	377.0
65°	213.3	265.5	317.7	340.9	354.5	353.5	338.0	324.0	314.3	304.7	314.3
67.5°	167.1	212.0	256.9	279.7	295.2	294.4	277.4	262.7	255.0	247.2	255.0
70°	139.3	178.0	216.7	237.9	253.4	253.4	237.9	224.4	216.7	208.9	216.7
72.5°	121.9	151.3	180.7	200.8	217.8	217.8	200.8	186.5	180.3	174.1	180.3
75°	91.4	108.8	126.2	145.1	164.4	166.4	150.9	138.3	134.4	130.6	134.4
77.5°	66.2	74.3	82.4	97.2	114.2	116.2	103.0	92.8	91.2	89.7	91.2
80°	52.2	54.2	56.1	68.2	83.7	85.6	74.0	65.3	65.3	65.3	65.3
82.5°	34.8	36.8	38.7	47.3	58.1	59.3	50.8	44.0	42.5	40.9	42.5
85°	17.4	17.4	17.4	20.3	24.2	24.2	20.3	17.4	17.4	17.4	17.4
87.5°	3.9	4.4	5.1	6.7	8.7	8.8	7.3	6.2	6.4	6.4	6.4
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°	1122.9	1122.9	1122.9	1122.9	1122.9	1122.9	1122.9	1122.9	1122.9	1122.9	1122.9
2.5°	1133.4	1133.4	1133.4	1133.4	1133.4	1131.4	1123.7	1116.0	1116.0	1116.0	1110.2
5°	1150.0	1147.6	1145.6	1142.7	1138.9	1132.6	1119.1	1105.5	1099.7	1093.9	1069.2
7.5°	1157.4	1154.3	1150.8	1146.1	1140.3	1131.4	1113.2	1095.1	1069.1	1043.2	988.3
10°	1153.9	1151.9	1150.0	1146.1	1140.3	1130.7	1109.4	1088.1	1035.9	983.6	931.4
12.5°	1150.4	1148.5	1146.5	1141.9	1134.5	1123.3	1100.5	1077.7	1003.8	929.9	882.7
15°	1140.8	1137.4	1133.6	1128.7	1122.9	1110.8	1079.9	1048.9	965.8	882.6	842.9
17.5°	1123.3	1120.3	1116.8	1111.2	1103.5	1088.3	1050.8	1013.2	926.2	839.1	813.6
20°	1105.5	1104.1	1102.1	1097.3	1089.6	1073.6	1033.0	992.3	905.3	818.3	806.6
22.5°	1085.0	1084.3	1083.9	1079.9	1072.1	1055.0	1009.8	964.5	879.0	793.5	793.9
25°	1049.9	1050.4	1052.3	1047.5	1035.9	1014.1	961.9	909.7	834.2	758.8	771.8
27.5°	1012.4	1010.9	1009.0	1004.1	996.4	974.2	908.4	842.6	783.0	723.5	745.1
30°	988.0	986.5	984.6	979.8	972.0	947.9	874.3	800.8	750.5	700.3	725.4
32.5°	960.1	959.9	959.5	956.2	950.0	923.5	836.0	748.6	712.2	675.9	702.2
35°	917.9	918.4	918.4	916.4	912.6	883.1	776.7	670.3	654.8	639.3	670.3
37.5°	870.0	872.5	875.2	873.7	867.9	833.3	712.6	591.9	597.0	602.0	639.5
40°	835.2	840.0	845.8	845.8	840.0	802.8	671.2	539.7	557.1	574.5	615.1
42.5°	800.4	806.4	813.7	814.5	808.7	771.8	641.8	511.8	530.8	549.8	591.9
45°	747.6	754.4	762.2	763.1	757.3	723.9	607.9	491.8	503.4	515.0	555.7
47.5°	685.8	695.5	707.1	708.1	698.4	665.6	563.5	461.4	469.9	478.4	520.0
50°	647.5	657.2	668.8	669.8	660.1	627.7	527.1	426.5	438.1	449.7	493.3
52.5°	602.3	613.1	626.3	628.8	620.7	591.0	496.6	402.2	409.1	416.1	463.1
55°	538.2	549.9	563.4	567.3	561.5	537.3	458.0	378.7	372.9	367.1	414.9
57.5°	471.0	484.3	499.8	504.4	498.2	474.7	399.3	323.8	318.8	313.8	365.6
60°	428.5	442.5	458.0	461.8	454.1	431.4	363.7	296.0	286.3	276.6	330.8
62.5°	386.7	400.7	416.2	418.5	407.7	384.6	324.6	264.6	258.0	251.5	304.1
65°	324.0	338.0	353.5	354.5	340.9	317.7	265.5	213.3	217.1	221.0	268.4
67.5°	262.7	277.4	294.4	295.2	279.7	256.9	212.0	167.1	179.9	192.7	235.3
70°	224.4	237.9	253.4	253.4	237.9	216.7	178.0	139.3	156.7	174.1	213.3
72.5°	186.5	200.8	217.8	217.8	200.8	180.7	151.3	121.9	139.3	156.7	188.9
75°	138.3	150.9	166.4	164.4	145.1	126.2	108.8	91.4	108.8	126.2	150.9
77.5°	92.8	103.0	116.2	114.2	97.2	82.4	74.3	66.2	80.5	94.8	112.0
80°	65.3	74.0	85.6	83.7	68.2	56.1	54.2	52.2	61.9	71.6	84.1
82.5°	44.0	50.8	59.3	58.1	47.3	38.7	36.8	34.8	42.9	51.1	59.8
85°	17.4	20.3	24.2	24.2	20.3	17.4	17.4	17.4	21.3	25.1	29.0
87.5°	6.2	7.3	8.8	8.7	6.7	5.1	4.4	3.9	5.9	8.0	9.3
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: P1435773

CATALOG NUMBER: SQ2W-FA-K-050U-075D-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: P1435773

CATALOG NUMBER: SQ2W-FA-K-050U-075D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1122.9	1122.9	1122.9	1122.9	1122.9	1122.9	1122.9	1122.9	1122.9	1122.9	1122.9
2.5°	1102.4	1096.2	1091.6	1087.7	1086.2	1084.6	1086.2	1087.7	1091.6	1096.2	1102.4
5°	1038.3	1005.4	970.6	942.1	932.4	922.7	932.4	942.1	970.6	1005.4	1038.3
7.5°	923.7	884.0	869.3	857.5	854.4	851.3	854.4	857.5	869.3	884.0	923.7
10°	879.2	847.3	835.7	827.0	827.0	827.0	827.0	827.0	835.7	847.3	879.2
12.5°	844.4	824.8	824.1	825.4	833.1	840.9	833.1	825.4	824.1	824.8	844.4
15°	817.8	820.7	851.6	877.3	886.9	896.6	886.9	877.3	851.6	820.7	817.8
17.5°	808.6	825.2	863.5	894.2	901.9	909.7	901.9	894.2	863.5	825.2	808.6
20°	820.2	841.5	870.5	894.2	901.9	909.7	901.9	894.2	870.5	841.5	820.2
22.5°	822.9	848.8	871.6	890.7	898.4	906.2	898.4	890.7	871.6	848.8	822.9
25°	814.4	845.3	864.7	880.2	884.0	887.9	884.0	880.2	864.7	845.3	814.4
27.5°	793.9	827.9	847.3	862.5	865.2	867.9	865.2	862.5	847.3	827.9	793.9
30°	775.7	810.5	829.9	845.8	851.6	857.4	851.6	845.8	829.9	810.5	775.7
32.5°	749.4	785.0	809.0	827.2	828.4	829.6	828.4	827.2	809.0	785.0	749.4
35°	716.7	753.4	780.5	800.4	798.4	796.5	798.4	800.4	780.5	753.4	716.7
37.5°	687.9	723.9	747.5	765.7	768.1	770.4	768.1	765.7	747.5	723.9	687.9
40°	663.5	700.3	725.4	745.2	749.1	753.0	749.1	745.2	725.4	700.3	663.5
42.5°	641.8	679.4	704.5	724.3	728.2	732.1	728.2	724.3	704.5	679.4	641.8
45°	606.0	644.6	671.7	692.5	694.5	696.4	694.5	692.5	671.7	644.6	606.0
47.5°	572.6	611.5	636.6	656.0	657.9	659.8	657.9	656.0	636.6	611.5	572.6
50°	547.4	587.1	612.2	631.6	633.5	635.5	633.5	631.6	612.2	587.1	547.4
52.5°	523.4	564.7	586.7	603.7	605.7	607.6	605.7	603.7	586.7	564.7	523.4
55°	480.7	524.2	545.5	561.5	561.5	561.5	561.5	561.5	545.5	524.2	480.7
57.5°	436.4	481.1	499.7	514.2	516.5	518.8	516.5	514.2	499.7	481.1	436.4
60°	406.2	451.7	467.2	479.7	483.6	487.5	483.6	479.7	467.2	451.7	406.2
62.5°	376.4	420.3	435.8	448.0	450.3	452.7	450.3	448.0	435.8	420.3	376.4
65°	330.3	369.0	384.5	396.6	398.5	400.4	398.5	396.6	384.5	369.0	330.3
67.5°	287.9	319.7	330.5	339.0	340.6	342.1	340.6	339.0	330.5	319.7	287.9
70°	259.7	286.8	294.5	300.3	300.3	300.3	300.3	300.3	294.5	286.8	259.7
72.5°	226.0	248.5	256.2	262.4	263.9	265.5	263.9	262.4	256.2	248.5	226.0
75°	178.0	194.4	200.2	205.0	207.0	208.9	207.0	205.0	200.2	194.4	178.0
77.5°	130.2	141.0	144.5	147.6	149.5	151.5	149.5	147.6	144.5	141.0	130.2
80°	97.7	105.4	107.4	109.3	111.2	113.2	111.2	109.3	107.4	105.4	97.7
82.5°	68.7	74.1	76.0	77.6	78.0	78.3	78.0	77.6	76.0	74.1	68.7
85°	32.9	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	32.9
87.5°	10.0	10.9	11.8	12.4	12.9	12.6	12.9	12.4	11.8	10.9	10.0
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: P1435773

CATALOG NUMBER: SQ2W-FA-K-050U-075D-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: P1435773

CATALOG NUMBER: SQ2W-FA-K-050U-075D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	1122.9	1122.9	1122.9	1122.9
2.5°	1110.2	1116.0	1116.0	1116.0
5°	1069.2	1093.9	1099.7	1105.5
7.5°	988.3	1043.2	1069.1	1095.1
10°	931.4	983.6	1035.9	1088.1
12.5°	882.7	929.9	1003.8	1077.7
15°	842.9	882.6	965.8	1048.9
17.5°	813.6	839.1	926.2	1013.2
20°	806.6	818.3	905.3	992.3
22.5°	793.9	793.5	879.0	964.5
25°	771.8	758.8	834.2	909.7
27.5°	745.1	723.5	783.0	842.6
30°	725.4	700.3	750.5	800.8
32.5°	702.2	675.9	712.2	748.6
35°	670.3	639.3	654.8	670.3
37.5°	639.5	602.0	597.0	591.9
40°	615.1	574.5	557.1	539.7
42.5°	591.9	549.8	530.8	511.8
45°	555.7	515.0	503.4	491.8
47.5°	520.0	478.4	469.9	461.4
50°	493.3	449.7	438.1	426.5
52.5°	463.1	416.1	409.1	402.2
55°	414.9	367.1	372.9	378.7
57.5°	365.6	313.8	318.8	323.8
60°	330.8	276.6	286.3	296.0
62.5°	304.1	251.5	258.0	264.6
65°	268.4	221.0	217.1	213.3
67.5°	235.3	192.7	179.9	167.1
70°	213.3	174.1	156.7	139.3
72.5°	188.9	156.7	139.3	121.9
75°	150.9	126.2	108.8	91.4
77.5°	112.0	94.8	80.5	66.2
80°	84.1	71.6	61.9	52.2
82.5°	59.8	51.1	42.9	34.8
85°	29.0	25.1	21.3	17.4
87.5°	9.3	8.0	5.9	3.9
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: P1435773

CATALOG NUMBER: SQ2W-FA-K-050U-075D-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: P1435773  
 CATALOG NUMBER: SQ2W-FA-K-050U-075D-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	17.28	18.23	18.15	19.12	20.25	18.48	19.43	19.35	20.32	21.45
	3H	18.37	19.23	19.26	20.13	21.28	19.73	20.58	20.61	21.48	22.64
	4H	18.73	19.54	19.63	20.44	21.61	20.12	20.93	21.02	21.84	23.00
	6H	18.90	19.64	19.81	20.55	21.73	20.29	21.03	21.20	21.94	23.12
	8H	18.93	19.64	19.85	20.57	21.75	20.31	21.02	21.23	21.95	23.13
	12H	18.93	19.61	19.86	20.53	21.73	20.30	20.98	21.23	21.90	23.10
4H	2H	18.16	18.96	19.06	19.87	21.04	19.07	19.88	19.98	20.79	21.95
	3H	19.55	20.23	20.47	21.16	22.34	20.54	21.22	21.46	22.15	23.33
	4H	20.01	20.63	20.94	21.56	22.76	21.02	21.64	21.95	22.57	23.78
	6H	20.25	20.78	21.19	21.73	22.94	21.25	21.78	22.19	22.74	23.94
	8H	20.31	20.80	21.25	21.75	22.97	21.30	21.79	22.24	22.75	23.97
	12H	20.31	20.76	21.28	21.73	22.95	21.29	21.74	22.26	22.71	23.93
8H	4H	20.40	20.90	21.35	21.85	23.07	21.23	21.72	22.17	22.67	23.89
	6H	20.76	21.17	21.73	22.16	23.38	21.54	21.95	22.51	22.95	24.16
	8H	20.88	21.24	21.86	22.22	23.46	21.64	22.00	22.62	22.98	24.22
	12H	20.92	21.23	21.90	22.21	23.50	21.66	21.98	22.64	22.95	24.24
12H	4H	20.41	20.86	21.37	21.83	23.05	21.20	21.64	22.16	22.61	23.84
	6H	20.83	21.19	21.81	22.17	23.41	21.56	21.92	22.54	22.91	24.14
	8H	20.98	21.30	21.96	22.27	23.56	21.68	22.00	22.66	22.97	24.26