

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: P1435947

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

Issue Date: 3/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1435947
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-12)
Test Lab: INNOVATION CENTER
Issue Date: 3/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-FB-K-050U-100D-L935-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - FROSTED CONTINUOUS BATWING 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

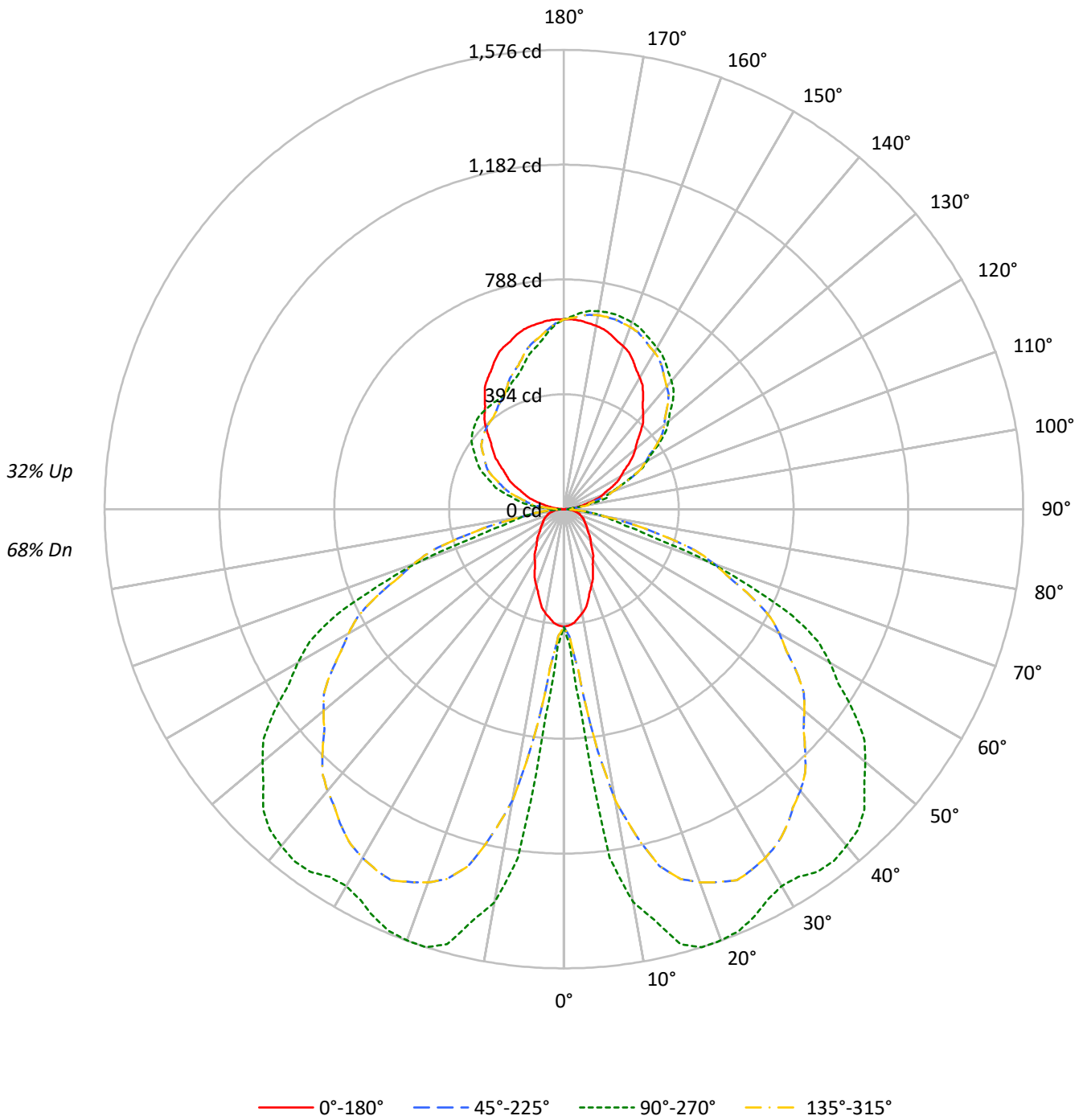
Lumens per Lamp: N/A
Luminaire Lumens: 5887.8 lumens
Efficiency: N/A
Efficacy: 112.1 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 2.98 / 2.52
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 52.5
Input Voltage (V): 120
Input Current (A_{in}): 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-FB-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	81	79	76	72	70	68	64	62	61	57				
2	92	84	78	72	86	79	74	69	71	66	62	63	59	56	55	53	50	47				
3	84	73	66	59	78	69	62	57	62	56	52	55	51	47	48	45	42	39				
4	76	65	56	50	71	61	53	48	55	48	43	48	43	39	43	39	36	32				
5	70	57	48	42	65	54	46	40	48	42	37	43	38	34	38	34	31	28				
6	64	51	42	36	60	48	40	35	43	37	32	39	33	29	34	30	26	24				
7	59	46	37	31	55	43	36	30	39	33	28	35	29	25	31	27	23	21				
8	55	41	33	28	51	39	32	26	35	29	24	32	26	22	28	24	20	18				
9	51	38	30	24	48	36	28	23	32	26	22	29	24	20	26	21	18	16				
10	47	34	27	22	44	33	26	21	30	24	19	27	21	18	24	19	16	14				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	6513	6513	6513	6513
5°	6350	11536	6350	11536
10°	5946	22449	5946	22449
15°	5382	25838	5382	25838
20°	4766	27060	4766	27060
25°	4215	27504	4215	27504
30°	3725	27844	3725	27844
35°	3325	29934	3325	29934
40°	3024	31804	3024	31804
45°	2790	33305	2790	33305
50°	2630	33907	2630	33907
55°	2567	34178	2567	34178
60°	2632	34009	2632	34009
65°	2743	33046	2743	33046
70°	2837	24996	2837	24996
75°	3144	13793	3144	13793
80°	3245	12803	3245	12803
85°	3242	5391	3242	5391

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 52.5°
 Luminance: 34487 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.6	1.1
10°-20°	308.4	5.2
20°-30°	542.7	9.2
30°-40°	702.5	11.9
40°-50°	774.8	13.2
50°-60°	723.1	12.3
60°-70°	558.7	9.5
70°-80°	257.5	4.4
80°-90°	51.9	0.9
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°	918.7	15.6
0°-40°	1621.2	27.5
0°-60°	3119.1	53.0
0°-90°	3987.2	67.7
90°-120°	449.4	7.6
90°-150°	1409.7	23.9
90°-180°	1901.0	32.3
0°-180°	5887.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	403	403	403	403	403	
5°	392	712	392	712	392	36
15°	322	1546	322	1546	322	90
25°	237	1544	237	1544	237	109
35°	169	1519	169	1519	169	106
45°	122	1459	122	1459	122	95
55°	91	1214	91	1214	91	82
65°	72	865	72	865	72	70
75°	50	221	50	221	50	52
85°	18	29	18	29	18	18
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°	403.4	403.4	403.4	403.4	403.4	403.4	403.4	403.4	403.4	403.4	403.4
2.5°	400.3	407.9	415.5	423.6	431.9	440.8	450.5	458.8	462.9	467.0	462.9
5°	391.8	417.7	443.5	481.0	522.4	569.4	622.0	667.0	689.4	711.8	689.4
7.5°	376.7	429.2	481.8	593.2	724.3	860.3	1001.3	1118.3	1163.1	1208.0	1163.1
10°	362.7	436.0	509.2	698.2	925.8	1100.8	1223.2	1321.1	1345.2	1369.3	1345.2
12.5°	347.2	446.7	546.1	779.4	1057.4	1239.3	1325.1	1395.7	1420.5	1445.4	1420.5
15°	322.0	464.2	606.4	870.2	1174.5	1361.6	1431.4	1490.7	1518.2	1545.8	1518.2
17.5°	296.0	485.3	674.6	943.7	1239.3	1421.7	1490.9	1546.5	1561.5	1576.5	1561.5
20°	277.4	499.8	722.2	991.8	1277.1	1449.5	1509.0	1556.0	1565.4	1574.9	1565.4
22.5°	260.3	508.9	757.5	1027.5	1304.5	1465.5	1510.5	1546.8	1557.0	1567.2	1557.0
25°	236.6	516.8	796.9	1066.1	1331.6	1478.6	1507.0	1530.1	1537.0	1543.9	1537.0
27.5°	213.7	509.8	805.8	1071.5	1327.2	1464.4	1483.0	1498.6	1505.4	1512.1	1505.4
30°	199.8	500.6	801.5	1064.8	1315.7	1448.0	1461.8	1474.5	1484.0	1493.5	1484.0
32.5°	187.4	489.6	791.8	1051.9	1297.9	1427.5	1440.6	1455.5	1476.1	1496.6	1476.1
35°	168.7	466.1	763.5	1020.9	1264.8	1397.1	1417.8	1442.8	1480.7	1518.7	1480.7
37.5°	152.8	436.1	719.4	974.0	1219.2	1363.4	1406.7	1448.3	1484.8	1521.4	1484.8
40°	143.5	415.1	686.6	939.4	1185.9	1338.1	1395.8	1446.9	1477.9	1509.0	1477.9
42.5°	134.2	391.3	648.3	899.1	1147.7	1305.7	1373.1	1431.4	1462.4	1493.5	1462.4
45°	122.2	353.2	584.2	832.7	1087.0	1253.8	1333.1	1399.9	1429.2	1458.6	1429.2
47.5°	110.9	311.6	512.3	761.9	1027.7	1202.7	1286.8	1355.3	1376.7	1398.0	1376.7
50°	104.7	284.0	463.3	713.8	987.9	1166.3	1249.1	1315.5	1332.7	1349.9	1332.7
52.5°	98.5	257.1	415.8	666.7	948.4	1128.2	1206.2	1268.6	1284.4	1300.3	1284.4
55°	91.2	220.5	349.8	598.0	885.9	1064.0	1132.1	1186.6	1200.4	1214.2	1200.4
57.5°	84.6	188.9	293.2	533.6	819.5	991.5	1049.6	1095.9	1107.1	1118.4	1107.1
60°	81.5	172.0	262.5	493.3	770.9	935.9	988.5	1030.8	1042.0	1053.2	1042.0
62.5°	76.8	155.6	234.4	453.0	718.1	874.9	923.4	962.3	972.8	983.4	972.8
65°	71.8	135.6	199.3	396.3	637.7	778.6	819.1	851.3	858.1	865.0	858.1
67.5°	64.8	118.9	173.1	344.5	555.0	672.8	698.0	713.6	700.7	687.8	700.7
70°	60.1	110.1	160.1	312.9	500.0	597.8	606.4	603.6	566.6	529.5	566.6
72.5°	57.0	101.5	146.0	278.3	439.8	511.1	492.1	460.4	390.2	320.0	390.2
75°	50.4	86.6	122.8	222.4	343.1	362.1	279.3	217.7	219.4	221.1	219.4
77.5°	41.1	68.2	95.3	156.5	229.0	243.4	199.6	167.2	168.7	170.3	168.7
80°	34.9	56.5	78.0	102.2	127.1	138.8	137.1	136.0	136.8	137.7	136.8
82.5°	28.7	44.7	60.8	75.3	89.2	97.1	98.8	99.8	98.6	97.4	98.6
85°	17.5	26.9	36.4	42.0	46.3	45.0	38.1	32.5	30.8	29.1	30.8
87.5°	6.6	10.6	14.7	14.0	11.6	10.4	10.4	10.5	10.7	10.7	10.7
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°	403.4	403.4	403.4	403.4	403.4	403.4	403.4	403.4	403.4	403.4	403.4
2.5°	458.8	450.5	440.8	431.9	423.6	415.5	407.9	400.3	407.9	415.5	423.6
5°	667.0	622.0	569.4	522.4	481.0	443.5	417.7	391.8	417.7	443.5	481.0
7.5°	1118.3	1001.3	860.3	724.3	593.2	481.8	429.2	376.7	429.2	481.8	593.2
10°	1321.1	1223.2	1100.8	925.8	698.2	509.2	436.0	362.7	436.0	509.2	698.2
12.5°	1395.7	1325.1	1239.3	1057.4	779.4	546.1	446.7	347.2	446.7	546.1	779.4
15°	1490.7	1431.4	1361.6	1174.5	870.2	606.4	464.2	322.0	464.2	606.4	870.2
17.5°	1546.5	1490.9	1421.7	1239.3	943.7	674.6	485.3	296.0	485.3	674.6	943.7
20°	1556.0	1509.0	1449.5	1277.1	991.8	722.2	499.8	277.4	499.8	722.2	991.8
22.5°	1546.8	1510.5	1465.5	1304.5	1027.5	757.5	508.9	260.3	508.9	757.5	1027.5
25°	1530.1	1507.0	1478.6	1331.6	1066.1	796.9	516.8	236.6	516.8	796.9	1066.1
27.5°	1498.6	1483.0	1464.4	1327.2	1071.5	805.8	509.8	213.7	509.8	805.8	1071.5
30°	1474.5	1461.8	1448.0	1315.7	1064.8	801.5	500.6	199.8	500.6	801.5	1064.8
32.5°	1455.5	1440.6	1427.5	1297.9	1051.9	791.8	489.6	187.4	489.6	791.8	1051.9
35°	1442.8	1417.8	1397.1	1264.8	1020.9	763.5	466.1	168.7	466.1	763.5	1020.9
37.5°	1448.3	1406.7	1363.4	1219.2	974.0	719.4	436.1	152.8	436.1	719.4	974.0
40°	1446.9	1395.8	1338.1	1185.9	939.4	686.6	415.1	143.5	415.1	686.6	939.4
42.5°	1431.4	1373.1	1305.7	1147.7	899.1	648.3	391.3	134.2	391.3	648.3	899.1
45°	1399.9	1333.1	1253.8	1087.0	832.7	584.2	353.2	122.2	353.2	584.2	832.7
47.5°	1355.3	1286.8	1202.7	1027.7	761.9	512.3	311.6	110.9	311.6	512.3	761.9
50°	1315.5	1249.1	1166.3	987.9	713.8	463.3	284.0	104.7	284.0	463.3	713.8
52.5°	1268.6	1206.2	1128.2	948.4	666.7	415.8	257.1	98.5	257.1	415.8	666.7
55°	1186.6	1132.1	1064.0	885.9	598.0	349.8	220.5	91.2	220.5	349.8	598.0
57.5°	1095.9	1049.6	991.5	819.5	533.6	293.2	188.9	84.6	188.9	293.2	533.6
60°	1030.8	988.5	935.9	770.9	493.3	262.5	172.0	81.5	172.0	262.5	493.3
62.5°	962.3	923.4	874.9	718.1	453.0	234.4	155.6	76.8	155.6	234.4	453.0
65°	851.3	819.1	778.6	637.7	396.3	199.3	135.6	71.8	135.6	199.3	396.3
67.5°	713.6	698.0	672.8	555.0	344.5	173.1	118.9	64.8	118.9	173.1	344.5
70°	603.6	606.4	597.8	500.0	312.9	160.1	110.1	60.1	110.1	160.1	312.9
72.5°	460.4	492.1	511.1	439.8	278.3	146.0	101.5	57.0	101.5	146.0	278.3
75°	217.7	279.3	362.1	343.1	222.4	122.8	86.6	50.4	86.6	122.8	222.4
77.5°	167.2	199.6	243.4	229.0	156.5	95.3	68.2	41.1	68.2	95.3	156.5
80°	136.0	137.1	138.8	127.1	102.2	78.0	56.5	34.9	56.5	78.0	102.2
82.5°	99.8	98.8	97.1	89.2	75.3	60.8	44.7	28.7	44.7	60.8	75.3
85°	32.5	38.1	45.0	46.3	42.0	36.4	26.9	17.5	26.9	36.4	42.0
87.5°	10.5	10.4	10.4	11.6	14.0	14.7	10.6	6.6	10.6	14.5	14.3
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: P1435947

CATALOG NUMBER: SQ2W-FB-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: P1435947

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	403.4	403.4	403.4	403.4	403.4	403.4	403.4	403.4	403.4	403.4	403.4
2.5°	431.9	440.8	450.5	458.8	462.9	467.0	462.9	458.8	450.5	440.8	431.9
5°	522.4	569.4	622.0	667.0	689.4	711.8	689.4	667.0	622.0	569.4	522.4
7.5°	724.3	860.3	1001.3	1118.3	1163.1	1208.0	1163.1	1118.3	1001.3	860.3	724.3
10°	925.8	1100.8	1223.2	1321.1	1345.2	1369.3	1345.2	1321.1	1223.2	1100.8	925.8
12.5°	1057.4	1239.3	1325.1	1395.7	1420.5	1445.4	1420.5	1395.7	1325.1	1239.3	1057.4
15°	1174.5	1361.6	1431.4	1490.7	1518.2	1545.8	1518.2	1490.7	1431.4	1361.6	1174.5
17.5°	1239.3	1421.7	1490.9	1546.5	1561.5	1576.5	1561.5	1546.5	1490.9	1421.7	1239.3
20°	1277.1	1449.5	1509.0	1556.0	1565.4	1574.9	1565.4	1556.0	1509.0	1449.5	1277.1
22.5°	1304.5	1465.5	1510.5	1546.8	1557.0	1567.2	1557.0	1546.8	1510.5	1465.5	1304.5
25°	1331.6	1478.6	1507.0	1530.1	1537.0	1543.9	1537.0	1530.1	1507.0	1478.6	1331.6
27.5°	1327.2	1464.4	1483.0	1498.6	1505.4	1512.1	1505.4	1498.6	1483.0	1464.4	1327.2
30°	1315.7	1448.0	1461.8	1474.5	1484.0	1493.5	1484.0	1474.5	1461.8	1448.0	1315.7
32.5°	1297.9	1427.5	1440.6	1455.5	1476.1	1496.6	1476.1	1455.5	1440.6	1427.5	1297.9
35°	1264.8	1397.1	1417.8	1442.8	1480.7	1518.7	1480.7	1442.8	1417.8	1397.1	1264.8
37.5°	1219.2	1363.4	1406.7	1448.3	1484.8	1521.4	1484.8	1448.3	1406.7	1363.4	1219.2
40°	1185.9	1338.1	1395.8	1446.9	1477.9	1509.0	1477.9	1446.9	1395.8	1338.1	1185.9
42.5°	1147.7	1305.7	1373.1	1431.4	1462.4	1493.5	1462.4	1431.4	1373.1	1305.7	1147.7
45°	1087.0	1253.8	1333.1	1399.9	1429.2	1458.6	1429.2	1399.9	1333.1	1253.8	1087.0
47.5°	1027.7	1202.7	1286.8	1355.3	1376.7	1398.0	1376.7	1355.3	1286.8	1202.7	1027.7
50°	987.9	1166.3	1249.1	1315.5	1332.7	1349.9	1332.7	1315.5	1249.1	1166.3	987.9
52.5°	948.4	1128.2	1206.2	1268.6	1284.4	1300.3	1284.4	1268.6	1206.2	1128.2	948.4
55°	885.9	1064.0	1132.1	1186.6	1200.4	1214.2	1200.4	1186.6	1132.1	1064.0	885.9
57.5°	819.5	991.5	1049.6	1095.9	1107.1	1118.4	1107.1	1095.9	1049.6	991.5	819.5
60°	770.9	935.9	988.5	1030.8	1042.0	1053.2	1042.0	1030.8	988.5	935.9	770.9
62.5°	718.1	874.9	923.4	962.3	972.8	983.4	972.8	962.3	923.4	874.9	718.1
65°	637.7	778.6	819.1	851.3	858.1	865.0	858.1	851.3	819.1	778.6	637.7
67.5°	555.0	672.8	698.0	713.6	700.7	687.8	700.7	713.6	698.0	672.8	555.0
70°	500.0	597.8	606.4	603.6	566.6	529.5	566.6	603.6	606.4	597.8	500.0
72.5°	439.8	511.1	492.1	460.4	390.2	320.0	390.2	460.4	492.1	511.1	439.8
75°	343.1	362.1	279.3	217.7	219.4	221.1	219.4	217.7	279.3	362.1	343.1
77.5°	229.0	243.4	199.6	167.2	168.7	170.3	168.7	167.2	199.6	243.4	229.0
80°	127.1	138.8	137.1	136.0	136.8	137.7	136.8	136.0	137.1	138.8	127.1
82.5°	89.2	97.1	98.8	99.8	98.6	97.4	98.6	99.8	98.8	97.1	89.2
85°	46.3	45.0	38.1	32.5	30.8	29.1	30.8	32.5	38.1	45.0	46.3
87.5°	12.2	11.7	12.6	13.1	13.7	13.4	13.7	13.1	12.6	11.7	12.2
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: P1435947

CATALOG NUMBER: SQ2W-FB-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	417.5	401.1	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: P1435947

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	403.4	403.4	403.4	403.4
2.5°	423.6	415.5	407.9	400.3
5°	481.0	443.5	417.7	391.8
7.5°	593.2	481.8	429.2	376.7
10°	698.2	509.2	436.0	362.7
12.5°	779.4	546.1	446.7	347.2
15°	870.2	606.4	464.2	322.0
17.5°	943.7	674.6	485.3	296.0
20°	991.8	722.2	499.8	277.4
22.5°	1027.5	757.5	508.9	260.3
25°	1066.1	796.9	516.8	236.6
27.5°	1071.5	805.8	509.8	213.7
30°	1064.8	801.5	500.6	199.8
32.5°	1051.9	791.8	489.6	187.4
35°	1020.9	763.5	466.1	168.7
37.5°	974.0	719.4	436.1	152.8
40°	939.4	686.6	415.1	143.5
42.5°	899.1	648.3	391.3	134.2
45°	832.7	584.2	353.2	122.2
47.5°	761.9	512.3	311.6	110.9
50°	713.8	463.3	284.0	104.7
52.5°	666.7	415.8	257.1	98.5
55°	598.0	349.8	220.5	91.2
57.5°	533.6	293.2	188.9	84.6
60°	493.3	262.5	172.0	81.5
62.5°	453.0	234.4	155.6	76.8
65°	396.3	199.3	135.6	71.8
67.5°	344.5	173.1	118.9	64.8
70°	312.9	160.1	110.1	60.1
72.5°	278.3	146.0	101.5	57.0
75°	222.4	122.8	86.6	50.4
77.5°	156.5	95.3	68.2	41.1
80°	102.2	78.0	56.5	34.9
82.5°	75.3	60.8	44.7	28.7
85°	42.0	36.4	26.9	17.5
87.5°	14.3	14.5	10.6	6.6
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: P1435947

CATALOG NUMBER: SQ2W-FB-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: P1435947
 CATALOG NUMBER: SQ2W-FB-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	14.16	15.25	14.94	16.06	17.05	23.76	24.84	24.54	25.66	26.65
	3H	15.12	16.10	15.91	16.91	17.94	25.38	26.36	26.18	27.18	28.20
	4H	15.53	16.45	16.34	17.28	18.31	25.57	26.49	26.38	27.32	28.35
	6H	15.79	16.65	16.62	17.48	18.53	25.66	26.51	26.48	27.34	28.39
	8H	15.89	16.70	16.73	17.56	18.60	25.68	26.49	26.52	27.35	28.39
	12H	15.95	16.72	16.79	17.57	18.64	25.67	26.44	26.51	27.29	28.36
4H	2H	18.91	19.83	19.73	20.66	21.69	24.15	25.08	24.97	25.90	26.93
	3H	20.06	20.83	20.89	21.69	22.74	26.06	26.83	26.89	27.69	28.74
	4H	20.35	21.05	21.20	21.91	22.99	26.29	26.99	27.14	27.85	28.93
	6H	20.50	21.11	21.36	21.99	23.07	26.44	27.04	27.30	27.93	29.01
	8H	20.55	21.11	21.41	21.99	23.08	26.49	27.06	27.35	27.93	29.03
	12H	20.56	21.07	21.44	21.97	23.07	26.48	26.99	27.37	27.89	28.99
8H	4H	21.56	22.13	22.43	23.01	24.10	26.40	26.97	27.27	27.85	28.94
	6H	21.83	22.30	22.73	23.22	24.31	26.61	27.08	27.50	28.00	29.09
	8H	21.93	22.35	22.84	23.26	24.37	26.71	27.12	27.61	28.03	29.14
	12H	21.99	22.35	22.89	23.26	24.42	26.72	27.09	27.63	27.99	29.15
12H	4H	21.60	22.11	22.48	23.01	24.11	26.37	26.88	27.25	27.77	28.87
	6H	21.94	22.36	22.85	23.27	24.38	26.60	27.01	27.50	27.93	29.04
	8H	22.09	22.46	23.00	23.36	24.52	26.71	27.07	27.62	27.98	29.14