

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: P1435982

Luminaire Tested: SQ2W-FB-K-100U-050D-L930-UNV-STD-W-WM-4

Issue Date: 3/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1435982
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-100U-050D-L930-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - FROSTED CONTINUOUS BATWING ROLL LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 500 LUMENS PER FOOT
UPLIGHT 1000 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

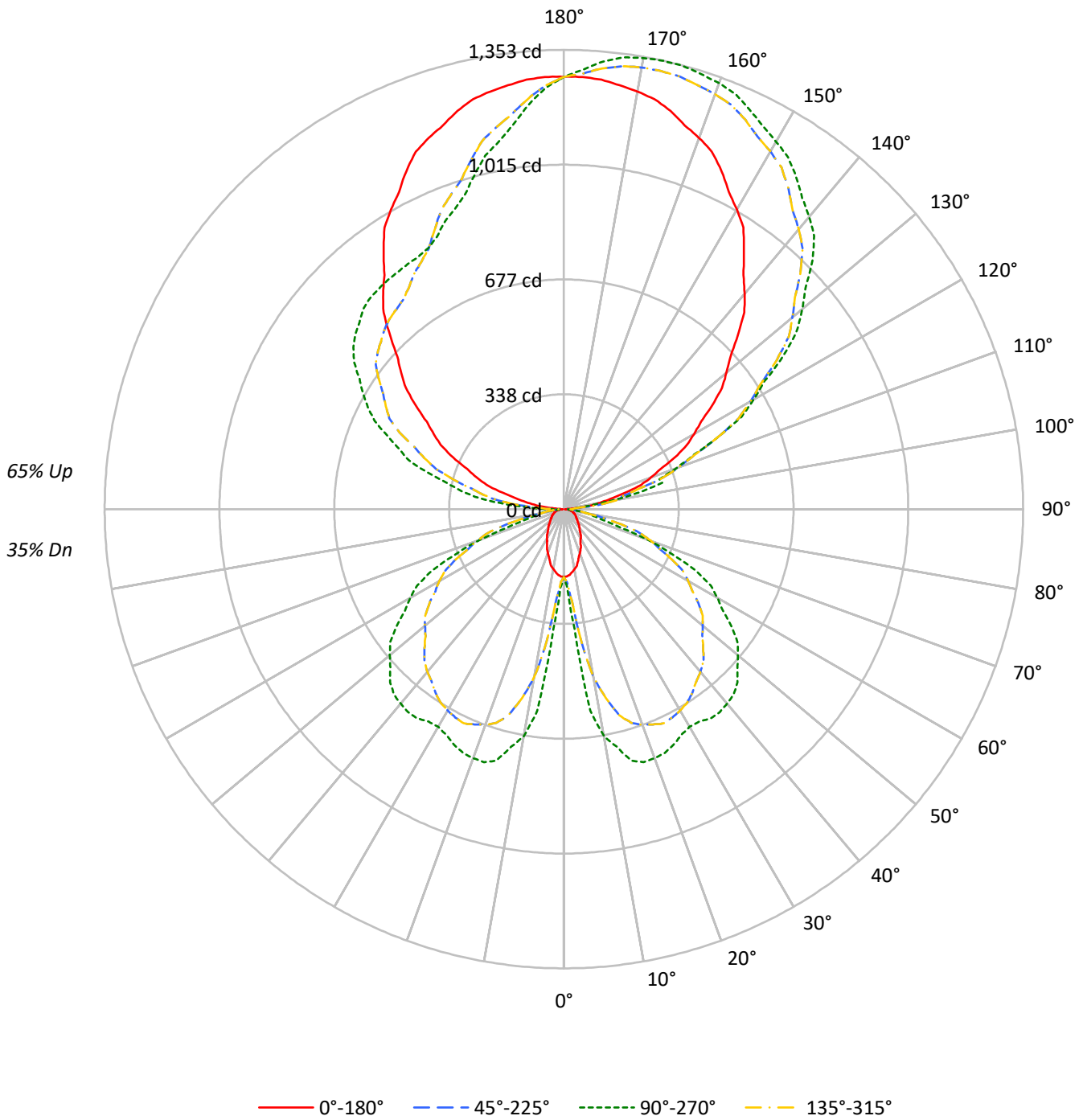
Lumens per Lamp: N/A
Luminaire Lumens: 5699.7 lumens
Efficiency: N/A
Efficacy: 112.0 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 2.98 / 2.52
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 50.9
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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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	39	32	31	29	24
3	78	68	61	55	70	62	56	51	50	45	42	39	36	33	28	26	24	20
4	71	60	52	46	64	55	48	43	44	39	35	34	31	28	25	23	21	17
5	65	53	45	39	58	48	41	36	39	34	30	30	27	24	22	20	18	14
6	59	47	39	34	53	43	36	31	35	30	26	27	23	20	20	17	15	12
7	55	43	35	29	49	39	32	27	31	26	22	24	21	18	18	15	13	11
8	51	38	31	25	46	35	28	23	28	23	20	22	18	16	16	14	12	9
9	47	35	27	22	42	32	25	21	26	21	17	20	17	14	15	12	11	8
10	44	32	25	20	39	29	23	18	24	19	15	19	15	12	14	11	9	7

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	3231	3231	3231	3231
5°	3149	5721	3149	5721
10°	2949	11132	2949	11132
15°	2669	12814	2669	12814
20°	2362	13419	2362	13419
25°	2090	13639	2090	13639
30°	1848	13807	1848	13807
35°	1650	14844	1650	14844
40°	1501	15772	1501	15772
45°	1384	16515	1384	16515
50°	1304	16814	1304	16814
55°	1272	16948	1272	16948
60°	1305	16866	1305	16866
65°	1360	16389	1360	16389
70°	1407	12396	1407	12396
75°	1560	6837	1560	6837
80°	1609	6350	1609	6350
85°	1612	2668	1612	2668

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 52.5°
 Luminance: 17101 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.5	0.6
10°-20°	152.9	2.7
20°-30°	269.1	4.7
30°-40°	348.4	6.1
40°-50°	384.2	6.7
50°-60°	358.6	6.3
60°-70°	277.0	4.9
70°-80°	127.7	2.2
80°-90°	29.7	0.5
90°-100°	101.4	1.8
100°-110°	295.6	5.2
110°-120°	482.4	8.5
120°-130°	612.1	10.7
130°-140°	655.0	11.5
140°-150°	611.6	10.7
150°-160°	503.3	8.8
160°-170°	337.5	5.9
170°-180°	119.8	2.1
0°-30°	455.6	8.0
0°-40°	803.9	14.1
0°-60°	1546.7	27.1
0°-90°	1981.1	34.8
90°-120°	879.3	15.4
90°-150°	2758.0	48.4
90°-180°	3719.0	65.2
0°-180°	5699.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	200	200	200	200	200	
5°	194	353	194	353	194	18
15°	160	767	160	767	160	45
25°	117	766	117	766	117	54
35°	84	753	84	753	84	53
45°	61	723	61	723	61	47
55°	45	602	45	602	45	41
65°	36	429	36	429	36	35
75°	25	110	25	110	25	26
85°	9	14	9	14	9	9
90°	4	28	4	55	4	4
95°	40	30	40	174	40	48
105°	188	301	188	414	188	200
115°	360	499	360	615	360	355
125°	533	791	533	754	533	477
135°	724	1036	724	835	724	560
145°	925	1194	925	853	925	579
155°	1099	1297	1099	885	1099	505
165°	1214	1352	1214	1019	1214	342
175°	1270	1324	1270	1195	1270	120
180°	1274	1274	1274	1274	1274	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	200.1	200.1	200.1	200.1	200.1	200.1	200.1	200.1	200.1	200.1	200.1
2.5°	198.5	202.3	206.0	210.1	214.2	218.6	223.4	227.5	229.6	231.6	229.6
5°	194.3	207.1	219.9	238.5	259.0	282.3	308.4	330.8	341.9	353.0	341.9
7.5°	186.8	212.9	238.9	294.2	359.2	426.6	496.5	554.6	576.8	599.0	576.8
10°	179.9	216.2	252.5	346.2	459.1	545.9	606.6	655.1	667.1	679.0	667.1
12.5°	172.2	221.5	270.8	386.5	524.3	614.5	657.1	692.1	704.4	716.7	704.4
15°	159.7	230.2	300.7	431.5	582.4	675.2	709.8	739.2	752.9	766.6	752.9
17.5°	146.8	240.6	334.5	468.0	614.6	705.0	739.3	766.9	774.3	781.8	774.3
20°	137.5	247.8	358.1	491.8	633.3	718.8	748.3	771.6	776.3	781.0	776.3
22.5°	129.1	252.4	375.6	509.5	646.9	726.7	749.1	767.1	772.1	777.1	772.1
25°	117.3	256.3	395.2	528.7	660.3	733.2	747.3	758.8	762.2	765.6	762.2
27.5°	106.0	252.8	399.6	531.4	658.2	726.2	735.4	743.2	746.5	749.8	746.5
30°	99.1	248.3	397.4	528.0	652.4	718.0	724.9	731.2	735.9	740.6	735.9
32.5°	92.9	242.8	392.7	521.6	643.6	707.9	714.4	721.8	732.0	742.1	732.0
35°	83.7	231.2	378.6	506.2	627.2	692.8	703.1	715.5	734.3	753.1	734.3
37.5°	75.8	216.3	356.7	483.0	604.6	676.1	697.6	718.2	736.3	754.4	736.3
40°	71.2	205.8	340.5	465.8	588.1	663.5	692.2	717.5	732.9	748.3	732.9
42.5°	66.6	194.0	321.5	445.8	569.1	647.5	680.9	709.8	725.2	740.6	725.2
45°	60.6	175.2	289.7	412.9	539.0	621.8	661.1	694.2	708.7	723.3	708.7
47.5°	55.0	154.5	254.0	377.8	509.6	596.4	638.1	672.1	682.7	693.3	682.7
50°	51.9	140.9	229.8	353.9	489.9	578.4	619.4	652.3	660.9	669.4	660.9
52.5°	48.9	127.5	206.2	330.6	470.3	559.5	598.1	629.1	636.9	644.8	636.9
55°	45.2	109.3	173.4	296.6	439.3	527.6	561.4	588.4	595.3	602.1	595.3
57.5°	41.9	93.7	145.4	264.6	406.4	491.7	520.5	543.5	549.0	554.6	549.0
60°	40.4	85.3	130.2	244.6	382.3	464.1	490.2	511.1	516.7	522.3	516.7
62.5°	38.1	77.2	116.2	224.6	356.1	433.9	457.9	477.2	482.4	487.6	482.4
65°	35.6	67.2	98.9	196.5	316.2	386.1	406.2	422.1	425.5	429.0	425.5
67.5°	32.1	59.0	85.8	170.8	275.2	333.6	346.1	353.9	347.5	341.1	347.5
70°	29.8	54.6	79.4	155.2	247.9	296.4	300.7	299.3	281.0	262.6	281.0
72.5°	28.3	50.3	72.4	138.0	218.1	253.4	244.0	228.3	193.5	158.7	193.5
75°	25.0	43.0	60.9	110.3	170.1	179.5	138.5	107.9	108.8	109.6	108.8
77.5°	20.4	33.8	47.2	77.6	113.6	120.7	99.0	82.9	83.7	84.4	83.7
80°	17.3	28.0	38.7	50.7	63.1	68.8	68.0	67.4	67.9	68.3	67.9
82.5°	14.2	22.2	30.1	37.3	44.2	48.1	49.0	49.5	48.9	48.3	48.9
85°	8.7	13.4	18.1	20.8	23.0	22.3	18.9	16.1	15.3	14.4	15.3
87.5°	3.8	6.6	9.6	10.0	9.4	9.0	9.0	9.3	9.5	9.5	9.5
90°	3.9	9.0	15.4	20.6	24.4	25.7	25.7	27.0	28.3	28.3	28.3
92.5°	14.2	22.4	22.6	22.6	27.5	29.8	31.9	32.2	33.4	33.4	33.4
95°	39.9	43.7	65.6	64.3	43.7	34.7	29.6	29.6	29.6	29.6	29.6
97.5°	76.2	81.8	85.4	114.5	120.9	116.8	95.2	80.0	71.5	67.7	71.5
100°	108.1	110.6	118.4	119.6	151.8	182.7	167.2	147.9	141.5	137.6	141.5
102.5°	140.0	141.5	153.3	158.7	166.2	183.7	237.2	231.3	226.9	226.2	226.9
105°	187.8	189.1	211.0	221.3	226.4	226.4	225.1	250.9	292.0	301.0	292.0
107.5°	239.0	244.9	270.7	298.2	304.1	305.7	299.0	295.1	293.6	294.6	293.6
110°	274.0	283.0	313.9	348.6	357.6	360.2	357.6	353.8	351.2	351.2	351.2



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	308.0	321.1	356.1	396.0	411.1	418.9	413.2	410.4	407.8	409.9	407.8
115°	360.2	379.5	425.8	467.0	497.9	501.7	500.4	500.4	499.1	499.1	499.1
117.5°	408.6	439.5	491.4	539.3	575.0	585.3	590.5	588.9	587.4	590.0	587.4
120°	442.5	478.6	537.7	591.8	626.5	641.9	647.1	644.5	647.1	644.5	647.1
122.5°	478.6	522.8	581.0	637.0	678.0	695.5	701.6	702.1	702.7	701.1	702.7
125°	532.6	586.6	654.8	712.7	755.1	775.7	780.9	782.2	784.7	791.2	784.7
127.5°	587.1	648.4	723.2	779.1	822.6	847.5	855.5	858.3	863.7	866.6	863.7
130°	625.2	694.7	770.6	823.3	865.8	892.8	906.9	910.8	917.2	916.0	917.2
132.5°	665.4	737.9	814.8	869.6	909.0	938.1	950.2	961.2	963.5	965.4	963.5
135°	724.3	802.7	879.9	934.0	971.3	999.6	1015.0	1025.3	1031.7	1035.6	1031.7
137.5°	786.3	869.1	943.2	991.3	1028.9	1053.3	1070.8	1081.6	1088.3	1091.4	1088.3
140°	828.5	908.2	980.3	1030.4	1063.9	1088.3	1103.8	1116.6	1124.4	1124.4	1124.4
142.5°	868.6	947.3	1017.3	1067.5	1096.8	1119.2	1135.7	1145.5	1154.2	1154.2	1154.2
145°	925.0	1003.4	1067.8	1117.9	1142.4	1162.9	1181.0	1188.7	1193.8	1193.8	1193.8
147.5°	983.9	1053.3	1112.0	1160.1	1180.7	1204.9	1219.0	1225.2	1231.6	1228.8	1231.6
150°	1018.9	1083.2	1139.8	1184.8	1205.4	1228.6	1242.7	1247.9	1254.3	1250.4	1254.3
152.5°	1052.8	1114.1	1165.5	1207.5	1225.0	1248.1	1264.3	1269.5	1273.8	1271.0	1273.8
155°	1098.6	1152.7	1200.3	1238.8	1254.3	1276.2	1291.6	1298.0	1303.2	1296.7	1303.2
157.5°	1139.5	1186.1	1227.5	1263.0	1279.5	1298.3	1312.7	1320.7	1325.8	1323.0	1325.8
160°	1164.2	1206.7	1244.0	1277.4	1292.9	1309.6	1325.0	1334.0	1339.2	1335.3	1339.2
162.5°	1184.8	1223.2	1258.4	1288.8	1302.1	1316.8	1335.3	1343.3	1348.5	1343.6	1348.5
165°	1214.4	1245.3	1276.2	1301.9	1313.5	1325.0	1344.3	1353.3	1357.2	1352.1	1357.2
167.5°	1236.8	1260.5	1285.4	1307.5	1316.0	1327.4	1346.7	1354.1	1359.0	1352.6	1359.0
170°	1249.1	1269.7	1291.6	1309.6	1316.0	1326.3	1345.6	1352.1	1355.9	1349.5	1355.9
172.5°	1259.4	1274.9	1292.6	1308.6	1311.9	1320.2	1338.4	1344.9	1347.7	1342.3	1347.7
175°	1269.7	1278.7	1291.6	1301.9	1300.6	1305.7	1321.2	1326.3	1331.5	1323.8	1331.5
177.5°	1274.6	1278.7	1282.8	1289.0	1284.9	1284.9	1296.2	1299.3	1300.3	1296.2	1300.3
180°	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	200.1	200.1	200.1	200.1	200.1	200.1	200.1	200.1	200.1	200.1	200.1
2.5°	227.5	223.4	218.6	214.2	210.1	206.0	202.3	198.5	202.3	206.0	210.1
5°	330.8	308.4	282.3	259.0	238.5	219.9	207.1	194.3	207.1	219.9	238.5
7.5°	554.6	496.5	426.6	359.2	294.2	238.9	212.9	186.8	212.9	238.9	294.2
10°	655.1	606.6	545.9	459.1	346.2	252.5	216.2	179.9	216.2	252.5	346.2
12.5°	692.1	657.1	614.5	524.3	386.5	270.8	221.5	172.2	221.5	270.8	386.5
15°	739.2	709.8	675.2	582.4	431.5	300.7	230.2	159.7	230.2	300.7	431.5
17.5°	766.9	739.3	705.0	614.6	468.0	334.5	240.6	146.8	240.6	334.5	468.0
20°	771.6	748.3	718.8	633.3	491.8	358.1	247.8	137.5	247.8	358.1	491.8
22.5°	767.1	749.1	726.7	646.9	509.5	375.6	252.4	129.1	252.4	375.6	509.5
25°	758.8	747.3	733.2	660.3	528.7	395.2	256.3	117.3	256.3	395.2	528.7
27.5°	743.2	735.4	726.2	658.2	531.4	399.6	252.8	106.0	252.8	399.6	531.4
30°	731.2	724.9	718.0	652.4	528.0	397.4	248.3	99.1	248.3	397.4	528.0
32.5°	721.8	714.4	707.9	643.6	521.6	392.7	242.8	92.9	242.8	392.7	521.6
35°	715.5	703.1	692.8	627.2	506.2	378.6	231.2	83.7	231.2	378.6	506.2
37.5°	718.2	697.6	676.1	604.6	483.0	356.7	216.3	75.8	216.3	356.7	483.0
40°	717.5	692.2	663.5	588.1	465.8	340.5	205.8	71.2	205.8	340.5	465.8
42.5°	709.8	680.9	647.5	569.1	445.8	321.5	194.0	66.6	194.0	321.5	445.8
45°	694.2	661.1	621.8	539.0	412.9	289.7	175.2	60.6	175.2	289.7	412.9
47.5°	672.1	638.1	596.4	509.6	377.8	254.0	154.5	55.0	154.5	254.0	377.8
50°	652.3	619.4	578.4	489.9	353.9	229.8	140.9	51.9	140.9	229.8	353.9
52.5°	629.1	598.1	559.5	470.3	330.6	206.2	127.5	48.9	127.5	206.2	330.6
55°	588.4	561.4	527.6	439.3	296.6	173.4	109.3	45.2	109.3	173.4	296.6
57.5°	543.5	520.5	491.7	406.4	264.6	145.4	93.7	41.9	93.7	145.4	264.6
60°	511.1	490.2	464.1	382.3	244.6	130.2	85.3	40.4	85.3	130.2	244.6
62.5°	477.2	457.9	433.9	356.1	224.6	116.2	77.2	38.1	77.2	116.2	224.6
65°	422.1	406.2	386.1	316.2	196.5	98.9	67.2	35.6	67.2	98.9	196.5
67.5°	353.9	346.1	333.6	275.2	170.8	85.8	59.0	32.1	59.0	85.8	170.8
70°	299.3	300.7	296.4	247.9	155.2	79.4	54.6	29.8	54.6	79.4	155.2
72.5°	228.3	244.0	253.4	218.1	138.0	72.4	50.3	28.3	50.3	72.4	138.0
75°	107.9	138.5	179.5	170.1	110.3	60.9	43.0	25.0	43.0	60.9	110.3
77.5°	82.9	99.0	120.7	113.6	77.6	47.2	33.8	20.4	33.8	47.2	77.6
80°	67.4	68.0	68.8	63.1	50.7	38.7	28.0	17.3	28.0	38.7	50.7
82.5°	49.5	49.0	48.1	44.2	37.3	30.1	22.2	14.2	22.2	30.1	37.3
85°	16.1	18.9	22.3	23.0	20.8	18.1	13.4	8.7	13.4	18.1	20.8
87.5°	9.3	9.0	9.0	9.4	10.0	9.6	6.6	3.8	6.6	9.3	10.5
90°	27.0	25.7	25.7	24.4	20.6	15.4	9.0	3.9	9.0	14.2	23.2
92.5°	32.2	31.9	29.8	27.5	22.6	22.6	22.4	14.2	24.4	34.7	49.9
95°	29.6	29.6	34.7	43.7	64.3	65.6	43.7	39.9	56.6	79.8	100.3
97.5°	80.0	95.2	116.8	120.9	114.5	85.4	81.8	76.2	103.7	126.6	159.8
100°	147.9	167.2	182.7	151.8	119.6	118.4	110.6	108.1	137.6	159.5	191.7
102.5°	231.3	237.2	183.7	166.2	158.7	153.3	141.5	140.0	169.6	199.7	226.7
105°	250.9	225.1	226.4	226.4	221.3	211.0	189.1	187.8	221.3	256.0	289.5
107.5°	295.1	299.0	305.7	304.1	298.2	270.7	244.9	239.0	269.1	310.8	347.6
110°	353.8	357.6	360.2	357.6	348.6	313.9	283.0	274.0	301.0	344.8	384.6



TEST NUMBER: P1435982

CATALOG NUMBER: SQ2W-FB-K-100U-050D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	410.4	413.2	418.9	411.1	396.0	356.1	321.1	308.0	335.0	379.8	420.7
115°	500.4	500.4	501.7	497.9	467.0	425.8	379.5	360.2	383.4	424.5	469.6
117.5°	588.9	590.5	585.3	575.0	539.3	491.4	439.5	408.6	426.8	470.3	516.6
120°	644.5	647.1	641.9	626.5	591.8	537.7	478.6	442.5	456.7	499.1	545.5
122.5°	702.1	701.6	695.5	678.0	637.0	581.0	522.8	478.6	484.5	523.8	569.1
125°	782.2	780.9	775.7	755.1	712.7	654.8	586.6	532.6	524.9	558.3	604.6
127.5°	858.3	855.5	847.5	822.6	779.1	723.2	648.4	587.1	569.9	591.0	633.4
130°	910.8	906.9	892.8	865.8	823.3	770.6	694.7	625.2	600.8	613.6	650.9
132.5°	961.2	950.2	938.1	909.0	869.6	814.8	737.9	665.4	631.6	637.3	666.4
135°	1025.3	1015.0	999.6	971.3	934.0	879.9	802.7	724.3	678.0	672.8	689.5
137.5°	1081.6	1070.8	1053.3	1028.9	991.3	943.2	869.1	786.3	727.9	710.6	717.1
140°	1116.6	1103.8	1088.3	1063.9	1030.4	980.3	908.2	828.5	762.9	738.4	734.6
142.5°	1145.5	1135.7	1119.2	1096.8	1067.5	1017.3	947.3	868.6	798.9	767.2	758.2
145°	1188.7	1181.0	1162.9	1142.4	1117.9	1067.8	1003.4	925.0	855.5	814.3	795.0
147.5°	1225.2	1219.0	1204.9	1180.7	1160.1	1112.0	1053.3	983.9	912.6	861.7	836.7
150°	1247.9	1242.7	1228.6	1205.4	1184.8	1139.8	1083.2	1018.9	950.7	896.7	864.5
152.5°	1269.5	1264.3	1248.1	1225.0	1207.5	1165.5	1114.1	1052.8	983.6	929.6	896.4
155°	1298.0	1291.6	1276.2	1254.3	1238.8	1200.3	1152.7	1098.6	1039.4	982.8	945.5
157.5°	1320.7	1312.7	1298.3	1279.5	1263.0	1227.5	1186.1	1139.5	1087.8	1033.8	995.7
160°	1334.0	1325.0	1309.6	1292.9	1277.4	1244.0	1206.7	1164.2	1116.6	1067.8	1026.6
162.5°	1343.3	1335.3	1316.8	1302.1	1288.8	1258.4	1223.2	1184.8	1142.4	1099.7	1061.6
165°	1353.3	1344.3	1325.0	1313.5	1301.9	1276.2	1245.3	1214.4	1178.4	1143.7	1112.8
167.5°	1354.1	1346.7	1327.4	1316.0	1307.5	1285.4	1260.5	1236.8	1208.7	1181.5	1155.7
170°	1352.1	1345.6	1326.3	1316.0	1309.6	1291.6	1269.7	1249.1	1227.3	1204.1	1183.5
172.5°	1344.9	1338.4	1320.2	1311.9	1308.6	1292.6	1274.9	1259.4	1240.7	1223.7	1207.2
175°	1326.3	1321.2	1305.7	1300.6	1301.9	1291.6	1278.7	1269.7	1258.1	1247.9	1238.8
177.5°	1299.3	1296.2	1284.9	1284.9	1289.0	1282.8	1278.7	1274.6	1269.5	1266.4	1263.3
180°	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6



TEST NUMBER: P1435982

CATALOG NUMBER: SQ2W-FB-K-100U-050D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	200.1	200.1	200.1	200.1	200.1	200.1	200.1	200.1	200.1	200.1	200.1
2.5°	214.2	218.6	223.4	227.5	229.6	231.6	229.6	227.5	223.4	218.6	214.2
5°	259.0	282.3	308.4	330.8	341.9	353.0	341.9	330.8	308.4	282.3	259.0
7.5°	359.2	426.6	496.5	554.6	576.8	599.0	576.8	554.6	496.5	426.6	359.2
10°	459.1	545.9	606.6	655.1	667.1	679.0	667.1	655.1	606.6	545.9	459.1
12.5°	524.3	614.5	657.1	692.1	704.4	716.7	704.4	692.1	657.1	614.5	524.3
15°	582.4	675.2	709.8	739.2	752.9	766.6	752.9	739.2	709.8	675.2	582.4
17.5°	614.6	705.0	739.3	766.9	774.3	781.8	774.3	766.9	739.3	705.0	614.6
20°	633.3	718.8	748.3	771.6	776.3	781.0	776.3	771.6	748.3	718.8	633.3
22.5°	646.9	726.7	749.1	767.1	772.1	777.1	772.1	767.1	749.1	726.7	646.9
25°	660.3	733.2	747.3	758.8	762.2	765.6	762.2	758.8	747.3	733.2	660.3
27.5°	658.2	726.2	735.4	743.2	746.5	749.8	746.5	743.2	735.4	726.2	658.2
30°	652.4	718.0	724.9	731.2	735.9	740.6	735.9	731.2	724.9	718.0	652.4
32.5°	643.6	707.9	714.4	721.8	732.0	742.1	732.0	721.8	714.4	707.9	643.6
35°	627.2	692.8	703.1	715.5	734.3	753.1	734.3	715.5	703.1	692.8	627.2
37.5°	604.6	676.1	697.6	718.2	736.3	754.4	736.3	718.2	697.6	676.1	604.6
40°	588.1	663.5	692.2	717.5	732.9	748.3	732.9	717.5	692.2	663.5	588.1
42.5°	569.1	647.5	680.9	709.8	725.2	740.6	725.2	709.8	680.9	647.5	569.1
45°	539.0	621.8	661.1	694.2	708.7	723.3	708.7	694.2	661.1	621.8	539.0
47.5°	509.6	596.4	638.1	672.1	682.7	693.3	682.7	672.1	638.1	596.4	509.6
50°	489.9	578.4	619.4	652.3	660.9	669.4	660.9	652.3	619.4	578.4	489.9
52.5°	470.3	559.5	598.1	629.1	636.9	644.8	636.9	629.1	598.1	559.5	470.3
55°	439.3	527.6	561.4	588.4	595.3	602.1	595.3	588.4	561.4	527.6	439.3
57.5°	406.4	491.7	520.5	543.5	549.0	554.6	549.0	543.5	520.5	491.7	406.4
60°	382.3	464.1	490.2	511.1	516.7	522.3	516.7	511.1	490.2	464.1	382.3
62.5°	356.1	433.9	457.9	477.2	482.4	487.6	482.4	477.2	457.9	433.9	356.1
65°	316.2	386.1	406.2	422.1	425.5	429.0	425.5	422.1	406.2	386.1	316.2
67.5°	275.2	333.6	346.1	353.9	347.5	341.1	347.5	353.9	346.1	333.6	275.2
70°	247.9	296.4	300.7	299.3	281.0	262.6	281.0	299.3	300.7	296.4	247.9
72.5°	218.1	253.4	244.0	228.3	193.5	158.7	193.5	228.3	244.0	253.4	218.1
75°	170.1	179.5	138.5	107.9	108.8	109.6	108.8	107.9	138.5	179.5	170.1
77.5°	113.6	120.7	99.0	82.9	83.7	84.4	83.7	82.9	99.0	120.7	113.6
80°	63.1	68.8	68.0	67.4	67.9	68.3	67.9	67.4	68.0	68.8	63.1
82.5°	44.2	48.1	49.0	49.5	48.9	48.3	48.9	49.5	49.0	48.1	44.2
85°	23.0	22.3	18.9	16.1	15.3	14.4	15.3	16.1	18.9	22.3	23.0
87.5°	10.4	11.6	13.4	14.4	15.4	14.9	15.4	14.4	13.4	11.6	10.4
90°	29.6	38.6	47.6	52.7	57.9	55.3	57.9	52.7	47.6	38.6	29.6
92.5°	59.4	74.6	85.7	94.9	99.1	98.5	99.1	94.9	85.7	74.6	59.4
95°	119.6	137.6	155.7	168.5	176.2	173.7	176.2	168.5	155.7	137.6	119.6
97.5°	184.5	208.7	228.7	240.8	248.5	253.7	248.5	240.8	228.7	208.7	184.5
100°	227.7	250.9	274.0	288.2	301.0	306.2	301.0	288.2	274.0	250.9	227.7
102.5°	262.7	293.1	318.3	333.4	344.3	349.4	344.3	333.4	318.3	293.1	262.7
105°	320.3	352.5	379.5	398.8	410.4	414.2	410.4	398.8	379.5	352.5	320.3
107.5°	378.0	411.1	436.1	457.5	471.6	479.8	471.6	457.5	436.1	411.1	378.0
110°	423.2	450.3	477.3	496.6	510.7	515.9	510.7	496.6	477.3	450.3	423.2



TEST NUMBER: P1435982

CATALOG NUMBER: SQ2W-FB-K-100U-050D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	461.3	491.4	518.4	537.7	553.9	561.1	553.9	537.7	518.4	491.4	461.3
115°	514.6	554.5	578.9	596.9	608.5	614.9	608.5	596.9	578.9	554.5	514.6
117.5°	558.8	600.5	627.3	641.2	646.6	651.2	646.6	641.2	627.3	600.5	558.8
120°	586.6	625.2	656.1	674.1	680.5	683.1	680.5	674.1	656.1	625.2	586.6
122.5°	612.3	648.9	678.7	700.9	711.4	714.0	711.4	700.9	678.7	648.9	612.3
125°	648.4	683.1	714.0	735.8	747.4	753.9	747.4	735.8	714.0	683.1	648.4
127.5°	679.8	717.3	745.6	765.4	776.8	781.9	776.8	765.4	745.6	717.3	679.8
130°	697.3	735.8	764.1	786.0	796.3	801.5	796.3	786.0	764.1	735.8	697.3
132.5°	710.6	751.3	780.6	800.4	811.7	816.9	811.7	800.4	780.6	751.3	710.6
135°	726.8	769.3	800.2	819.5	829.8	834.9	829.8	819.5	800.2	769.3	726.8
137.5°	741.0	779.6	811.7	832.1	841.3	844.7	841.3	832.1	811.7	779.6	741.0
140°	751.3	784.7	816.9	836.2	846.5	847.8	846.5	836.2	816.9	784.7	751.3
142.5°	764.7	790.9	819.0	838.2	848.5	850.9	848.5	838.2	819.0	790.9	764.7
145°	788.6	804.0	823.3	841.3	850.3	852.9	850.3	841.3	823.3	804.0	788.6
147.5°	818.7	823.6	833.6	845.5	854.2	856.0	854.2	845.5	833.6	823.6	818.7
150°	841.3	840.1	843.9	851.6	859.3	858.1	859.3	851.6	843.9	840.1	841.3
152.5°	867.1	859.6	859.3	862.9	866.6	866.3	866.6	862.9	859.3	859.6	867.1
155°	910.8	896.7	888.9	886.4	886.4	885.1	886.4	886.4	888.9	896.7	910.8
157.5°	958.9	939.1	927.5	921.4	919.6	916.7	919.6	921.4	927.5	939.1	958.9
160°	991.9	970.0	958.4	948.1	944.3	940.4	944.3	948.1	958.4	970.0	991.9
162.5°	1022.7	1001.9	989.3	980.0	976.2	970.2	976.2	980.0	989.3	1001.9	1022.7
165°	1072.9	1051.0	1036.9	1029.2	1024.0	1018.9	1024.0	1029.2	1036.9	1051.0	1072.9
167.5°	1123.1	1099.1	1089.9	1081.1	1076.2	1067.0	1076.2	1081.1	1089.9	1099.1	1123.1
170°	1153.9	1132.1	1126.9	1119.2	1110.2	1099.9	1110.2	1119.2	1126.9	1132.1	1153.9
172.5°	1180.7	1166.0	1160.9	1153.2	1150.3	1142.1	1150.3	1153.2	1160.9	1166.0	1180.7
175°	1219.6	1208.0	1208.0	1206.7	1202.8	1195.1	1202.8	1206.7	1208.0	1208.0	1219.6
177.5°	1252.0	1245.8	1249.9	1249.9	1248.9	1241.7	1248.9	1249.9	1249.9	1245.8	1252.0
180°	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6



TEST NUMBER: P1435982

CATALOG NUMBER: SQ2W-FB-K-100U-050D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	200.1	200.1	200.1	200.1
2.5°	210.1	206.0	202.3	198.5
5°	238.5	219.9	207.1	194.3
7.5°	294.2	238.9	212.9	186.8
10°	346.2	252.5	216.2	179.9
12.5°	386.5	270.8	221.5	172.2
15°	431.5	300.7	230.2	159.7
17.5°	468.0	334.5	240.6	146.8
20°	491.8	358.1	247.8	137.5
22.5°	509.5	375.6	252.4	129.1
25°	528.7	395.2	256.3	117.3
27.5°	531.4	399.6	252.8	106.0
30°	528.0	397.4	248.3	99.1
32.5°	521.6	392.7	242.8	92.9
35°	506.2	378.6	231.2	83.7
37.5°	483.0	356.7	216.3	75.8
40°	465.8	340.5	205.8	71.2
42.5°	445.8	321.5	194.0	66.6
45°	412.9	289.7	175.2	60.6
47.5°	377.8	254.0	154.5	55.0
50°	353.9	229.8	140.9	51.9
52.5°	330.6	206.2	127.5	48.9
55°	296.6	173.4	109.3	45.2
57.5°	264.6	145.4	93.7	41.9
60°	244.6	130.2	85.3	40.4
62.5°	224.6	116.2	77.2	38.1
65°	196.5	98.9	67.2	35.6
67.5°	170.8	85.8	59.0	32.1
70°	155.2	79.4	54.6	29.8
72.5°	138.0	72.4	50.3	28.3
75°	110.3	60.9	43.0	25.0
77.5°	77.6	47.2	33.8	20.4
80°	50.7	38.7	28.0	17.3
82.5°	37.3	30.1	22.2	14.2
85°	20.8	18.1	13.4	8.7
87.5°	10.5	9.3	6.6	3.8
90°	23.2	14.2	9.0	3.9
92.5°	49.9	34.7	24.4	14.2
95°	100.3	79.8	56.6	39.9
97.5°	159.8	126.6	103.7	76.2
100°	191.7	159.5	137.6	108.1
102.5°	226.7	199.7	169.6	140.0
105°	289.5	256.0	221.3	187.8
107.5°	347.6	310.8	269.1	239.0
110°	384.6	344.8	301.0	274.0



TEST NUMBER: P1435982

CATALOG NUMBER: SQ2W-FB-K-100U-050D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	420.7	379.8	335.0	308.0
115°	469.6	424.5	383.4	360.2
117.5°	516.6	470.3	426.8	408.6
120°	545.5	499.1	456.7	442.5
122.5°	569.1	523.8	484.5	478.6
125°	604.6	558.3	524.9	532.6
127.5°	633.4	591.0	569.9	587.1
130°	650.9	613.6	600.8	625.2
132.5°	666.4	637.3	631.6	665.4
135°	689.5	672.8	678.0	724.3
137.5°	717.1	710.6	727.9	786.3
140°	734.6	738.4	762.9	828.5
142.5°	758.2	767.2	798.9	868.6
145°	795.0	814.3	855.5	925.0
147.5°	836.7	861.7	912.6	983.9
150°	864.5	896.7	950.7	1018.9
152.5°	896.4	929.6	983.6	1052.8
155°	945.5	982.8	1039.4	1098.6
157.5°	995.7	1033.8	1087.8	1139.5
160°	1026.6	1067.8	1116.6	1164.2
162.5°	1061.6	1099.7	1142.4	1184.8
165°	1112.8	1143.7	1178.4	1214.4
167.5°	1155.7	1181.5	1208.7	1236.8
170°	1183.5	1204.1	1227.3	1249.1
172.5°	1207.2	1223.7	1240.7	1259.4
175°	1238.8	1247.9	1258.1	1269.7
177.5°	1263.3	1266.4	1269.5	1274.6
180°	1273.6	1273.6	1273.6	1273.6



TEST NUMBER: P1435982
 CATALOG NUMBER: SQ2W-FB-K-100U-050D-L930-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	8.66	9.41	9.73	10.49	11.96	18.25	19.01	19.32	20.08	21.56
	3H	9.59	10.26	10.67	11.35	12.84	19.85	20.53	20.93	21.61	23.10
	4H	9.98	10.62	11.07	11.71	13.20	20.02	20.66	21.11	21.75	23.25
	6H	10.23	10.82	11.33	11.91	13.42	20.09	20.68	21.19	21.77	23.28
	8H	10.32	10.88	11.42	11.99	13.49	20.11	20.67	21.21	21.78	23.28
	12H	10.36	10.90	11.47	12.00	13.52	20.08	20.61	21.19	21.71	23.24
4H	2H	13.36	14.00	14.46	15.09	16.59	18.60	19.25	19.70	20.33	21.83
	3H	14.48	15.02	15.59	16.13	17.64	20.48	21.02	21.59	22.13	23.64
	4H	14.76	15.25	15.87	16.35	17.88	20.70	21.19	21.81	22.29	23.82
	6H	14.88	15.31	16.00	16.43	17.95	20.82	21.24	21.94	22.37	23.89
	8H	14.92	15.31	16.04	16.43	17.97	20.86	21.26	21.98	22.38	23.92
	12H	14.92	15.27	16.06	16.41	17.95	20.84	21.20	21.98	22.33	23.87
8H	4H	15.94	16.33	17.06	17.45	18.99	20.78	21.17	21.90	22.29	23.83
	6H	16.19	16.52	17.33	17.68	19.21	20.97	21.30	22.11	22.46	23.99
	8H	16.29	16.57	17.44	17.71	19.27	21.06	21.34	22.21	22.49	24.04
	12H	16.33	16.58	17.48	17.71	19.30	21.06	21.31	22.21	22.45	24.04
12H	4H	15.96	16.31	17.10	17.45	18.99	20.73	21.08	21.86	22.21	23.76
	6H	16.30	16.58	17.45	17.72	19.28	20.95	21.24	22.10	22.38	23.93
	8H	16.43	16.68	17.58	17.82	19.41	21.05	21.30	22.20	22.43	24.03