

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: P1435979

Luminaire Tested: SQ2W-FB-K-100U-050D-L830-UNV-STD-W-WM-4

Issue Date: 3/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1435979
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-L830-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, 80 CRI LEDS
Ballast/Driver: -

Summary

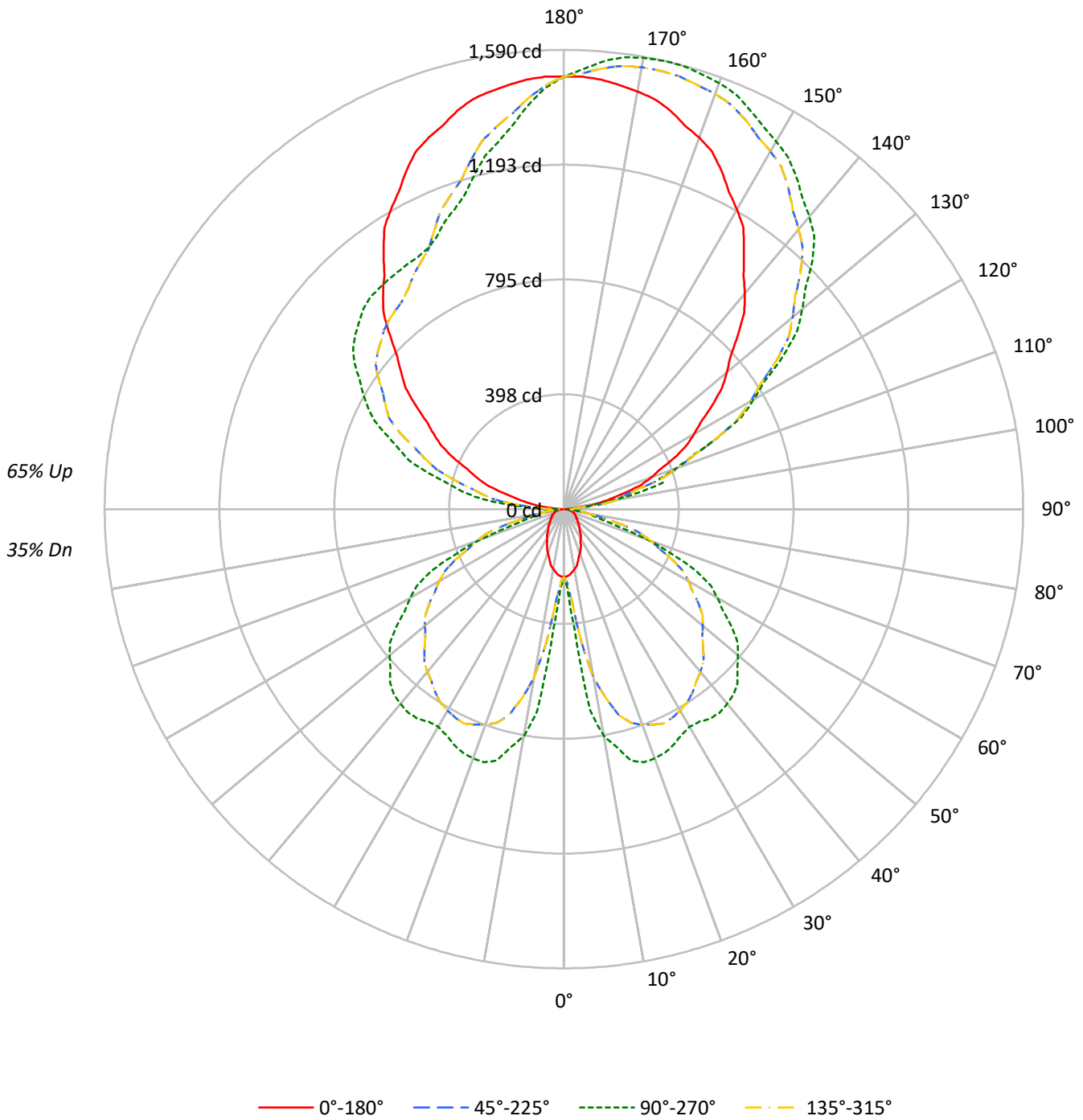
Lumens per Lamp: N/A
Luminaire Lumens: 6700.4 lumens
Efficiency: N/A
Efficacy: 131.6 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 2.98 / 2.52
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Indirect

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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CATALOG NUMBER: SQ2W-FB-K-100U-050D-L830-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	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°	3797	3797	3797	3797
5°	3702	6724	3702	6724
10°	3466	13086	3466	13086
15°	3137	15062	3137	15062
20°	2778	15775	2778	15775
25°	2457	16033	2457	16033
30°	2172	16231	2172	16231
35°	1939	17449	1939	17449
40°	1764	18539	1764	18539
45°	1626	19415	1626	19415
50°	1535	19765	1535	19765
55°	1495	19924	1495	19924
60°	1534	19824	1534	19824
65°	1597	19266	1597	19266
70°	1657	14573	1657	14573
75°	1834	8041	1834	8041
80°	1897	7466	1897	7466
85°	1890	3149	1890	3149

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 52.5°
 Luminance: 20104 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.4	0.6
10°-20°	179.8	2.7
20°-30°	316.4	4.7
30°-40°	409.5	6.1
40°-50°	451.6	6.7
50°-60°	421.5	6.3
60°-70°	325.7	4.9
70°-80°	150.1	2.2
80°-90°	34.9	0.5
90°-100°	119.2	1.8
100°-110°	347.5	5.2
110°-120°	567.1	8.5
120°-130°	719.6	10.7
130°-140°	770.0	11.5
140°-150°	719.0	10.7
150°-160°	591.6	8.8
160°-170°	396.8	5.9
170°-180°	140.9	2.1
0°-30°	535.5	8.0
0°-40°	945.1	14.1
0°-60°	1818.2	27.1
0°-90°	2328.9	34.8
90°-120°	1033.7	15.4
90°-150°	3242.2	48.4
90°-180°	4371.0	65.2
0°-180°	6700.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	235	235	235	235	235	
5°	228	415	228	415	228	21
15°	188	901	188	901	188	52
25°	138	900	138	900	138	63
35°	98	885	98	885	98	62
45°	71	850	71	850	71	55
55°	53	708	53	708	53	48
65°	42	504	42	504	42	41
75°	29	129	29	129	29	30
85°	10	17	10	17	10	11
90°	4	33	4	65	4	4
95°	47	35	47	204	47	57
105°	221	354	221	487	221	235
115°	423	587	423	723	423	417
125°	626	930	626	886	626	560
135°	851	1217	851	982	851	658
145°	1087	1403	1087	1003	1087	680
155°	1292	1524	1292	1040	1292	594
165°	1428	1589	1428	1198	1428	402
175°	1493	1556	1493	1405	1493	142
180°	1497	1497	1497	1497	1497	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	235.2	235.2	235.2	235.2	235.2	235.2	235.2	235.2	235.2	235.2	235.2
2.5°	233.4	237.8	242.2	246.9	251.8	257.0	262.6	267.4	269.8	272.3	269.8
5°	228.4	243.5	258.5	280.4	304.5	331.9	362.6	388.8	401.9	414.9	401.9
7.5°	219.6	250.2	280.9	345.8	422.2	501.5	583.7	651.9	678.0	704.2	678.0
10°	211.4	254.1	296.9	407.0	539.7	641.7	713.1	770.1	784.2	798.2	784.2
12.5°	202.4	260.4	318.4	454.4	616.4	722.4	772.5	813.6	828.1	842.6	828.1
15°	187.7	270.6	353.5	507.3	684.7	793.7	834.4	869.0	885.0	901.1	885.0
17.5°	172.5	282.9	393.2	550.1	722.5	828.8	869.1	901.5	910.2	919.0	910.2
20°	161.7	291.3	421.0	578.1	744.5	845.0	879.6	907.0	912.6	918.1	912.6
22.5°	151.7	296.7	441.6	598.9	760.5	854.3	880.6	901.7	907.6	913.6	907.6
25°	137.9	301.3	464.6	621.5	776.3	861.9	878.5	892.0	896.0	900.0	896.0
27.5°	124.6	297.2	469.7	624.6	773.7	853.6	864.5	873.6	877.5	881.5	877.5
30°	116.5	291.8	467.2	620.7	767.0	844.1	852.1	859.5	865.1	870.6	865.1
32.5°	109.2	285.4	461.6	613.2	756.6	832.1	839.8	848.5	860.5	872.4	860.5
35°	98.4	271.7	445.1	595.1	737.3	814.4	826.5	841.1	863.2	885.3	863.2
37.5°	89.1	254.2	419.3	567.8	710.7	794.8	820.0	844.3	865.6	886.9	865.6
40°	83.7	242.0	400.3	547.6	691.3	780.0	813.7	843.5	861.6	879.6	861.6
42.5°	78.2	228.1	377.9	524.1	669.0	761.1	800.4	834.4	852.5	870.6	852.5
45°	71.2	205.9	340.6	485.4	633.7	730.9	777.1	816.1	833.2	850.3	833.2
47.5°	64.7	181.7	298.6	444.1	599.1	701.1	750.1	790.0	802.5	815.0	802.5
50°	61.1	165.6	270.1	416.1	575.9	679.9	728.1	766.8	776.9	786.9	776.9
52.5°	57.4	149.9	242.4	388.6	552.9	657.7	703.1	739.5	748.7	758.0	748.7
55°	53.1	128.5	203.9	348.6	516.5	620.2	659.9	691.7	699.7	707.8	699.7
57.5°	49.3	110.1	170.9	311.1	477.7	578.0	611.8	638.9	645.4	651.9	645.4
60°	47.5	100.3	153.0	287.6	449.4	545.6	576.3	600.9	607.4	613.9	607.4
62.5°	44.8	90.7	136.6	264.0	418.6	510.0	538.3	561.0	567.1	573.2	567.1
65°	41.8	79.0	116.2	231.0	371.7	453.9	477.5	496.2	500.3	504.3	500.3
67.5°	37.8	69.3	100.9	200.8	323.5	392.2	406.9	416.0	408.5	400.9	408.5
70°	35.1	64.2	93.3	182.4	291.5	348.5	353.5	351.9	330.3	308.7	330.3
72.5°	33.2	59.2	85.1	162.2	256.4	297.9	286.9	268.4	227.5	186.6	227.5
75°	29.4	50.5	71.6	129.6	200.0	211.1	162.8	126.9	127.9	128.9	127.9
77.5°	24.0	39.7	55.5	91.2	133.5	141.9	116.4	97.5	98.4	99.3	98.4
80°	20.4	32.9	45.5	59.5	74.1	80.9	79.9	79.3	79.8	80.3	79.8
82.5°	16.7	26.1	35.4	43.9	52.0	56.6	57.6	58.2	57.5	56.8	57.5
85°	10.2	15.7	21.2	24.5	27.0	26.3	22.2	19.0	18.0	17.0	18.0
87.5°	4.5	7.7	11.3	11.8	11.1	10.6	10.6	10.9	11.2	11.2	11.2
90°	4.5	10.6	18.1	24.2	28.7	30.2	30.2	31.8	33.3	33.3	33.3
92.5°	16.6	26.3	26.6	26.6	32.4	35.1	37.5	37.8	39.3	39.3	39.3
95°	46.9	51.4	77.1	75.6	51.4	40.8	34.8	34.8	34.8	34.8	34.8
97.5°	89.5	96.2	100.4	134.6	142.2	137.3	111.9	94.1	84.1	79.5	84.1
100°	127.0	130.1	139.1	140.6	178.4	214.7	196.6	173.9	166.4	161.8	166.4
102.5°	164.5	166.4	180.3	186.6	195.4	216.0	278.9	271.9	266.8	265.9	266.8
105°	220.8	222.3	248.0	260.1	266.2	266.2	264.7	294.9	343.3	353.9	343.3
107.5°	281.0	287.9	318.2	350.5	357.5	359.3	351.5	346.9	345.1	346.3	345.1
110°	322.1	332.7	369.0	409.8	420.4	423.4	420.4	415.9	412.9	412.9	412.9

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CATALOG NUMBER: SQ2W-FB-K-100U-050D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	362.0	377.5	418.6	465.5	483.3	492.4	485.7	482.4	479.4	481.8	479.4
115°	423.4	446.1	500.6	549.0	585.3	589.8	588.3	588.3	586.8	586.8	586.8
117.5°	480.3	516.6	577.7	634.0	676.0	688.1	694.1	692.3	690.5	693.5	690.5
120°	520.2	562.6	632.1	695.7	736.5	754.6	760.7	757.7	760.7	757.7	760.7
122.5°	562.6	614.6	682.9	748.9	797.0	817.5	824.8	825.4	826.0	824.2	826.0
125°	626.1	689.6	769.8	837.8	887.7	911.9	918.0	919.5	922.5	930.1	922.5
127.5°	690.2	762.2	850.2	915.8	967.0	996.3	1005.7	1009.0	1015.3	1018.7	1015.3
130°	735.0	816.6	905.9	967.9	1017.8	1049.5	1066.2	1070.7	1078.3	1076.7	1078.3
132.5°	782.2	867.4	957.9	1022.3	1068.6	1102.8	1117.0	1130.0	1132.7	1134.8	1132.7
135°	851.4	943.7	1034.4	1097.9	1141.8	1175.0	1193.2	1205.3	1212.9	1217.4	1212.9
137.5°	924.3	1021.7	1108.8	1165.4	1209.5	1238.3	1258.8	1271.5	1279.4	1283.0	1279.4
140°	973.9	1067.7	1152.4	1211.3	1250.7	1279.4	1297.5	1312.7	1321.7	1321.7	1321.7
142.5°	1021.1	1113.6	1195.9	1254.9	1289.4	1315.7	1335.0	1346.5	1356.8	1356.8	1356.8
145°	1087.3	1179.6	1255.2	1314.2	1342.9	1367.1	1388.3	1397.4	1403.4	1403.4	1403.4
147.5°	1156.6	1238.3	1307.2	1363.8	1388.0	1416.4	1433.0	1440.3	1447.9	1444.5	1447.9
150°	1197.7	1273.3	1339.9	1392.8	1417.0	1444.2	1460.9	1466.9	1474.5	1469.9	1474.5
152.5°	1237.7	1309.6	1370.1	1419.4	1440.0	1467.2	1486.3	1492.3	1497.5	1494.1	1497.5
155°	1291.5	1355.0	1411.0	1456.3	1474.5	1500.2	1518.3	1525.9	1531.9	1524.4	1531.9
157.5°	1339.6	1394.3	1443.0	1484.8	1504.1	1526.2	1543.1	1552.5	1558.6	1555.2	1558.6
160°	1368.6	1418.5	1462.4	1501.7	1519.8	1539.5	1557.7	1568.2	1574.3	1569.8	1574.3
162.5°	1392.8	1437.9	1479.3	1515.0	1530.7	1548.0	1569.8	1579.1	1585.2	1579.4	1585.2
165°	1427.6	1463.9	1500.2	1530.4	1544.0	1557.7	1580.3	1590.9	1595.5	1589.4	1595.5
167.5°	1453.9	1481.7	1511.1	1537.1	1547.1	1560.4	1583.1	1591.8	1597.6	1590.0	1597.6
170°	1468.4	1492.6	1518.3	1539.5	1547.1	1559.2	1581.9	1589.4	1593.9	1586.4	1593.9
172.5°	1480.5	1498.7	1519.5	1538.3	1542.2	1551.9	1573.4	1580.9	1584.3	1577.9	1584.3
175°	1492.6	1503.2	1518.3	1530.4	1528.9	1535.0	1553.1	1559.2	1565.2	1556.1	1565.2
177.5°	1498.4	1503.2	1508.1	1515.3	1510.5	1510.5	1523.8	1527.4	1528.6	1523.8	1528.6
180°	1497.2	1497.2	1497.2	1497.2	1497.2	1497.2	1497.2	1497.2	1497.2	1497.2	1497.2



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	235.2	235.2	235.2	235.2	235.2	235.2	235.2	235.2	235.2	235.2	235.2
2.5°	267.4	262.6	257.0	251.8	246.9	242.2	237.8	233.4	237.8	242.2	246.9
5°	388.8	362.6	331.9	304.5	280.4	258.5	243.5	228.4	243.5	258.5	280.4
7.5°	651.9	583.7	501.5	422.2	345.8	280.9	250.2	219.6	250.2	280.9	345.8
10°	770.1	713.1	641.7	539.7	407.0	296.9	254.1	211.4	254.1	296.9	407.0
12.5°	813.6	772.5	722.4	616.4	454.4	318.4	260.4	202.4	260.4	318.4	454.4
15°	869.0	834.4	793.7	684.7	507.3	353.5	270.6	187.7	270.6	353.5	507.3
17.5°	901.5	869.1	828.8	722.5	550.1	393.2	282.9	172.5	282.9	393.2	550.1
20°	907.0	879.6	845.0	744.5	578.1	421.0	291.3	161.7	291.3	421.0	578.1
22.5°	901.7	880.6	854.3	760.5	598.9	441.6	296.7	151.7	296.7	441.6	598.9
25°	892.0	878.5	861.9	776.3	621.5	464.6	301.3	137.9	301.3	464.6	621.5
27.5°	873.6	864.5	853.6	773.7	624.6	469.7	297.2	124.6	297.2	469.7	624.6
30°	859.5	852.1	844.1	767.0	620.7	467.2	291.8	116.5	291.8	467.2	620.7
32.5°	848.5	839.8	832.1	756.6	613.2	461.6	285.4	109.2	285.4	461.6	613.2
35°	841.1	826.5	814.4	737.3	595.1	445.1	271.7	98.4	271.7	445.1	595.1
37.5°	844.3	820.0	794.8	710.7	567.8	419.3	254.2	89.1	254.2	419.3	567.8
40°	843.5	813.7	780.0	691.3	547.6	400.3	242.0	83.7	242.0	400.3	547.6
42.5°	834.4	800.4	761.1	669.0	524.1	377.9	228.1	78.2	228.1	377.9	524.1
45°	816.1	777.1	730.9	633.7	485.4	340.6	205.9	71.2	205.9	340.6	485.4
47.5°	790.0	750.1	701.1	599.1	444.1	298.6	181.7	64.7	181.7	298.6	444.1
50°	766.8	728.1	679.9	575.9	416.1	270.1	165.6	61.1	165.6	270.1	416.1
52.5°	739.5	703.1	657.7	552.9	388.6	242.4	149.9	57.4	149.9	242.4	388.6
55°	691.7	659.9	620.2	516.5	348.6	203.9	128.5	53.1	128.5	203.9	348.6
57.5°	638.9	611.8	578.0	477.7	311.1	170.9	110.1	49.3	110.1	170.9	311.1
60°	600.9	576.3	545.6	449.4	287.6	153.0	100.3	47.5	100.3	153.0	287.6
62.5°	561.0	538.3	510.0	418.6	264.0	136.6	90.7	44.8	90.7	136.6	264.0
65°	496.2	477.5	453.9	371.7	231.0	116.2	79.0	41.8	79.0	116.2	231.0
67.5°	416.0	406.9	392.2	323.5	200.8	100.9	69.3	37.8	69.3	100.9	200.8
70°	351.9	353.5	348.5	291.5	182.4	93.3	64.2	35.1	64.2	93.3	182.4
72.5°	268.4	286.9	297.9	256.4	162.2	85.1	59.2	33.2	59.2	85.1	162.2
75°	126.9	162.8	211.1	200.0	129.6	71.6	50.5	29.4	50.5	71.6	129.6
77.5°	97.5	116.4	141.9	133.5	91.2	55.5	39.7	24.0	39.7	55.5	91.2
80°	79.3	79.9	80.9	74.1	59.5	45.5	32.9	20.4	32.9	45.5	59.5
82.5°	58.2	57.6	56.6	52.0	43.9	35.4	26.1	16.7	26.1	35.4	43.9
85°	19.0	22.2	26.3	27.0	24.5	21.2	15.7	10.2	15.7	21.2	24.5
87.5°	10.9	10.6	10.6	11.1	11.8	11.3	7.7	4.5	7.7	11.0	12.4
90°	31.8	30.2	30.2	28.7	24.2	18.1	10.6	4.5	10.6	16.6	27.2
92.5°	37.8	37.5	35.1	32.4	26.6	26.6	26.3	16.6	28.7	40.8	58.7
95°	34.8	34.8	40.8	51.4	75.6	77.1	51.4	46.9	66.5	93.8	118.0
97.5°	94.1	111.9	137.3	142.2	134.6	100.4	96.2	89.5	121.9	148.8	187.8
100°	173.9	196.6	214.7	178.4	140.6	139.1	130.1	127.0	161.8	187.5	225.3
102.5°	271.9	278.9	216.0	195.4	186.6	180.3	166.4	164.5	199.3	234.7	266.5
105°	294.9	264.7	266.2	266.2	260.1	248.0	222.3	220.8	260.1	300.9	340.3
107.5°	346.9	351.5	359.3	357.5	350.5	318.2	287.9	281.0	316.4	365.4	408.6
110°	415.9	420.4	423.4	420.4	409.8	369.0	332.7	322.1	353.9	405.3	452.2



TEST NUMBER: P1435979

CATALOG NUMBER: SQ2W-FB-K-100U-050D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	482.4	485.7	492.4	483.3	465.5	418.6	377.5	362.0	393.8	446.4	494.5
115°	588.3	588.3	589.8	585.3	549.0	500.6	446.1	423.4	450.7	499.1	552.0
117.5°	692.3	694.1	688.1	676.0	634.0	577.7	516.6	480.3	501.8	552.9	607.3
120°	757.7	760.7	754.6	736.5	695.7	632.1	562.6	520.2	536.9	586.8	641.2
122.5°	825.4	824.8	817.5	797.0	748.9	682.9	614.6	562.6	569.5	615.8	669.0
125°	919.5	918.0	911.9	887.7	837.8	769.8	689.6	626.1	617.0	656.3	710.8
127.5°	1009.0	1005.7	996.3	967.0	915.8	850.2	762.2	690.2	669.9	694.7	744.6
130°	1070.7	1066.2	1049.5	1017.8	967.9	905.9	816.6	735.0	706.2	721.4	765.2
132.5°	1130.0	1117.0	1102.8	1068.6	1022.3	957.9	867.4	782.2	742.5	749.2	783.4
135°	1205.3	1193.2	1175.0	1141.8	1097.9	1034.4	943.7	851.4	797.0	790.9	810.6
137.5°	1271.5	1258.8	1238.3	1209.5	1165.4	1108.8	1021.7	924.3	855.7	835.4	842.9
140°	1312.7	1297.5	1279.4	1250.7	1211.3	1152.4	1067.7	973.9	896.8	868.1	863.5
142.5°	1346.5	1335.0	1315.7	1289.4	1254.9	1195.9	1113.6	1021.1	939.1	901.9	891.3
145°	1397.4	1388.3	1367.1	1342.9	1314.2	1255.2	1179.6	1087.3	1005.7	957.3	934.6
147.5°	1440.3	1433.0	1416.4	1388.0	1363.8	1307.2	1238.3	1156.6	1072.8	1012.9	983.6
150°	1466.9	1460.9	1444.2	1417.0	1392.8	1339.9	1273.3	1197.7	1117.6	1054.1	1016.3
152.5°	1492.3	1486.3	1467.2	1440.0	1419.4	1370.1	1309.6	1237.7	1156.3	1092.8	1053.8
155°	1525.9	1518.3	1500.2	1474.5	1456.3	1411.0	1355.0	1291.5	1221.9	1155.4	1111.5
157.5°	1552.5	1543.1	1526.2	1504.1	1484.8	1443.0	1394.3	1339.6	1278.8	1215.3	1170.5
160°	1568.2	1557.7	1539.5	1519.8	1501.7	1462.4	1418.5	1368.6	1312.7	1255.2	1206.8
162.5°	1579.1	1569.8	1548.0	1530.7	1515.0	1479.3	1437.9	1392.8	1342.9	1292.7	1247.9
165°	1590.9	1580.3	1557.7	1544.0	1530.4	1500.2	1463.9	1427.6	1385.3	1344.4	1308.1
167.5°	1591.8	1583.1	1560.4	1547.1	1537.1	1511.1	1481.7	1453.9	1420.9	1388.9	1358.6
170°	1589.4	1581.9	1559.2	1547.1	1539.5	1518.3	1492.6	1468.4	1442.7	1415.5	1391.3
172.5°	1580.9	1573.4	1551.9	1542.2	1538.3	1519.5	1498.7	1480.5	1458.4	1438.5	1419.1
175°	1559.2	1553.1	1535.0	1528.9	1530.4	1518.3	1503.2	1492.6	1479.0	1466.9	1456.3
177.5°	1527.4	1523.8	1510.5	1510.5	1515.3	1508.1	1503.2	1498.4	1492.3	1488.7	1485.1
180°	1497.2	1497.2	1497.2	1497.2	1497.2	1497.2	1497.2	1497.2	1497.2	1497.2	1497.2



TEST NUMBER: P1435979

CATALOG NUMBER: SQ2W-FB-K-100U-050D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	235.2	235.2	235.2	235.2	235.2	235.2	235.2	235.2	235.2	235.2	235.2
2.5°	251.8	257.0	262.6	267.4	269.8	272.3	269.8	267.4	262.6	257.0	251.8
5°	304.5	331.9	362.6	388.8	401.9	414.9	401.9	388.8	362.6	331.9	304.5
7.5°	422.2	501.5	583.7	651.9	678.0	704.2	678.0	651.9	583.7	501.5	422.2
10°	539.7	641.7	713.1	770.1	784.2	798.2	784.2	770.1	713.1	641.7	539.7
12.5°	616.4	722.4	772.5	813.6	828.1	842.6	828.1	813.6	772.5	722.4	616.4
15°	684.7	793.7	834.4	869.0	885.0	901.1	885.0	869.0	834.4	793.7	684.7
17.5°	722.5	828.8	869.1	901.5	910.2	919.0	910.2	901.5	869.1	828.8	722.5
20°	744.5	845.0	879.6	907.0	912.6	918.1	912.6	907.0	879.6	845.0	744.5
22.5°	760.5	854.3	880.6	901.7	907.6	913.6	907.6	901.7	880.6	854.3	760.5
25°	776.3	861.9	878.5	892.0	896.0	900.0	896.0	892.0	878.5	861.9	776.3
27.5°	773.7	853.6	864.5	873.6	877.5	881.5	877.5	873.6	864.5	853.6	773.7
30°	767.0	844.1	852.1	859.5	865.1	870.6	865.1	859.5	852.1	844.1	767.0
32.5°	756.6	832.1	839.8	848.5	860.5	872.4	860.5	848.5	839.8	832.1	756.6
35°	737.3	814.4	826.5	841.1	863.2	885.3	863.2	841.1	826.5	814.4	737.3
37.5°	710.7	794.8	820.0	844.3	865.6	886.9	865.6	844.3	820.0	794.8	710.7
40°	691.3	780.0	813.7	843.5	861.6	879.6	861.6	843.5	813.7	780.0	691.3
42.5°	669.0	761.1	800.4	834.4	852.5	870.6	852.5	834.4	800.4	761.1	669.0
45°	633.7	730.9	777.1	816.1	833.2	850.3	833.2	816.1	777.1	730.9	633.7
47.5°	599.1	701.1	750.1	790.0	802.5	815.0	802.5	790.0	750.1	701.1	599.1
50°	575.9	679.9	728.1	766.8	776.9	786.9	776.9	766.8	728.1	679.9	575.9
52.5°	552.9	657.7	703.1	739.5	748.7	758.0	748.7	739.5	703.1	657.7	552.9
55°	516.5	620.2	659.9	691.7	699.7	707.8	699.7	691.7	659.9	620.2	516.5
57.5°	477.7	578.0	611.8	638.9	645.4	651.9	645.4	638.9	611.8	578.0	477.7
60°	449.4	545.6	576.3	600.9	607.4	613.9	607.4	600.9	576.3	545.6	449.4
62.5°	418.6	510.0	538.3	561.0	567.1	573.2	567.1	561.0	538.3	510.0	418.6
65°	371.7	453.9	477.5	496.2	500.3	504.3	500.3	496.2	477.5	453.9	371.7
67.5°	323.5	392.2	406.9	416.0	408.5	400.9	408.5	416.0	406.9	392.2	323.5
70°	291.5	348.5	353.5	351.9	330.3	308.7	330.3	351.9	353.5	348.5	291.5
72.5°	256.4	297.9	286.9	268.4	227.5	186.6	227.5	268.4	286.9	297.9	256.4
75°	200.0	211.1	162.8	126.9	127.9	128.9	127.9	126.9	162.8	211.1	200.0
77.5°	133.5	141.9	116.4	97.5	98.4	99.3	98.4	97.5	116.4	141.9	133.5
80°	74.1	80.9	79.9	79.3	79.8	80.3	79.8	79.3	79.9	80.9	74.1
82.5°	52.0	56.6	57.6	58.2	57.5	56.8	57.5	58.2	57.6	56.6	52.0
85°	27.0	26.3	22.2	19.0	18.0	17.0	18.0	19.0	22.2	26.3	27.0
87.5°	12.3	13.6	15.7	16.9	18.1	17.5	18.1	16.9	15.7	13.6	12.3
90°	34.8	45.4	56.0	62.0	68.1	65.0	68.1	62.0	56.0	45.4	34.8
92.5°	69.9	87.7	100.7	111.6	116.4	115.8	116.4	111.6	100.7	87.7	69.9
95°	140.6	161.8	183.0	198.1	207.2	204.2	207.2	198.1	183.0	161.8	140.6
97.5°	216.9	245.3	268.9	283.1	292.2	298.2	292.2	283.1	268.9	245.3	216.9
100°	267.7	294.9	322.1	338.8	353.9	359.9	353.9	338.8	322.1	294.9	267.7
102.5°	308.8	344.5	374.1	392.0	404.7	410.7	404.7	392.0	374.1	344.5	308.8
105°	376.6	414.4	446.1	468.8	482.4	487.0	482.4	468.8	446.1	414.4	376.6
107.5°	444.3	483.3	512.7	537.8	554.4	564.1	554.4	537.8	512.7	483.3	444.3
110°	497.5	529.3	561.1	583.7	600.4	606.4	600.4	583.7	561.1	529.3	497.5



TEST NUMBER: P1435979

CATALOG NUMBER: SQ2W-FB-K-100U-050D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	542.3	577.7	609.5	632.1	651.2	659.7	651.2	632.1	609.5	577.7	542.3
115°	604.9	651.8	680.5	701.7	715.3	722.9	715.3	701.7	680.5	651.8	604.9
117.5°	656.9	705.9	737.4	753.7	760.1	765.5	760.1	753.7	737.4	705.9	656.9
120°	689.6	735.0	771.3	792.4	800.0	803.0	800.0	792.4	771.3	735.0	689.6
122.5°	719.8	762.8	797.9	823.9	836.3	839.3	836.3	823.9	797.9	762.8	719.8
125°	762.2	803.0	839.3	865.0	878.6	886.2	878.6	865.0	839.3	803.0	762.2
127.5°	799.1	843.3	876.5	899.8	913.1	919.2	913.1	899.8	876.5	843.3	799.1
130°	819.7	865.0	898.3	924.0	936.1	942.2	936.1	924.0	898.3	865.0	819.7
132.5°	835.4	883.2	917.7	940.9	954.3	960.3	954.3	940.9	917.7	883.2	835.4
135°	854.4	904.3	940.6	963.3	975.4	981.5	975.4	963.3	940.6	904.3	854.4
137.5°	871.1	916.4	954.3	978.1	989.0	993.0	989.0	978.1	954.3	916.4	871.1
140°	883.2	922.5	960.3	983.0	995.1	996.6	995.1	983.0	960.3	922.5	883.2
142.5°	898.9	929.8	962.7	985.4	997.5	1000.2	997.5	985.4	962.7	929.8	898.9
145°	927.0	945.2	967.9	989.0	999.6	1002.6	999.6	989.0	967.9	945.2	927.0
147.5°	962.4	968.2	980.0	993.9	1004.2	1006.3	1004.2	993.9	980.0	968.2	962.4
150°	989.0	987.5	992.1	1001.1	1010.2	1008.7	1010.2	1001.1	992.1	987.5	989.0
152.5°	1019.3	1010.5	1010.2	1014.4	1018.7	1018.4	1018.7	1014.4	1010.2	1010.5	1019.3
155°	1070.7	1054.1	1045.0	1042.0	1042.0	1040.5	1042.0	1042.0	1045.0	1054.1	1070.7
157.5°	1127.3	1104.0	1090.4	1083.1	1081.0	1077.7	1081.0	1083.1	1090.4	1104.0	1127.3
160°	1166.0	1140.3	1126.7	1114.6	1110.0	1105.5	1110.0	1114.6	1126.7	1140.3	1166.0
162.5°	1202.3	1177.8	1162.9	1152.1	1147.5	1140.6	1147.5	1152.1	1162.9	1177.8	1202.3
165°	1261.2	1235.5	1218.9	1209.8	1203.8	1197.7	1203.8	1209.8	1218.9	1235.5	1261.2
167.5°	1320.2	1292.1	1281.2	1270.9	1265.2	1254.3	1265.2	1270.9	1281.2	1292.1	1320.2
170°	1356.5	1330.8	1324.8	1315.7	1305.1	1293.0	1305.1	1315.7	1324.8	1330.8	1356.5
172.5°	1388.0	1370.7	1364.7	1355.6	1352.3	1342.6	1352.3	1355.6	1364.7	1370.7	1388.0
175°	1433.6	1420.0	1420.0	1418.5	1414.0	1404.9	1414.0	1418.5	1420.0	1420.0	1433.6
177.5°	1471.8	1464.5	1469.3	1469.3	1468.1	1459.7	1468.1	1469.3	1469.3	1464.5	1471.8
180°	1497.2	1497.2	1497.2	1497.2	1497.2	1497.2	1497.2	1497.2	1497.2	1497.2	1497.2



TEST NUMBER: P1435979

CATALOG NUMBER: SQ2W-FB-K-100U-050D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	235.2	235.2	235.2	235.2
2.5°	246.9	242.2	237.8	233.4
5°	280.4	258.5	243.5	228.4
7.5°	345.8	280.9	250.2	219.6
10°	407.0	296.9	254.1	211.4
12.5°	454.4	318.4	260.4	202.4
15°	507.3	353.5	270.6	187.7
17.5°	550.1	393.2	282.9	172.5
20°	578.1	421.0	291.3	161.7
22.5°	598.9	441.6	296.7	151.7
25°	621.5	464.6	301.3	137.9
27.5°	624.6	469.7	297.2	124.6
30°	620.7	467.2	291.8	116.5
32.5°	613.2	461.6	285.4	109.2
35°	595.1	445.1	271.7	98.4
37.5°	567.8	419.3	254.2	89.1
40°	547.6	400.3	242.0	83.7
42.5°	524.1	377.9	228.1	78.2
45°	485.4	340.6	205.9	71.2
47.5°	444.1	298.6	181.7	64.7
50°	416.1	270.1	165.6	61.1
52.5°	388.6	242.4	149.9	57.4
55°	348.6	203.9	128.5	53.1
57.5°	311.1	170.9	110.1	49.3
60°	287.6	153.0	100.3	47.5
62.5°	264.0	136.6	90.7	44.8
65°	231.0	116.2	79.0	41.8
67.5°	200.8	100.9	69.3	37.8
70°	182.4	93.3	64.2	35.1
72.5°	162.2	85.1	59.2	33.2
75°	129.6	71.6	50.5	29.4
77.5°	91.2	55.5	39.7	24.0
80°	59.5	45.5	32.9	20.4
82.5°	43.9	35.4	26.1	16.7
85°	24.5	21.2	15.7	10.2
87.5°	12.4	11.0	7.7	4.5
90°	27.2	16.6	10.6	4.5
92.5°	58.7	40.8	28.7	16.6
95°	118.0	93.8	66.5	46.9
97.5°	187.8	148.8	121.9	89.5
100°	225.3	187.5	161.8	127.0
102.5°	266.5	234.7	199.3	164.5
105°	340.3	300.9	260.1	220.8
107.5°	408.6	365.4	316.4	281.0
110°	452.2	405.3	353.9	322.1



TEST NUMBER: P1435979

CATALOG NUMBER: SQ2W-FB-K-100U-050D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	494.5	446.4	393.8	362.0
115°	552.0	499.1	450.7	423.4
117.5°	607.3	552.9	501.8	480.3
120°	641.2	586.8	536.9	520.2
122.5°	669.0	615.8	569.5	562.6
125°	710.8	656.3	617.0	626.1
127.5°	744.6	694.7	669.9	690.2
130°	765.2	721.4	706.2	735.0
132.5°	783.4	749.2	742.5	782.2
135°	810.6	790.9	797.0	851.4
137.5°	842.9	835.4	855.7	924.3
140°	863.5	868.1	896.8	973.9
142.5°	891.3	901.9	939.1	1021.1
145°	934.6	957.3	1005.7	1087.3
147.5°	983.6	1012.9	1072.8	1156.6
150°	1016.3	1054.1	1117.6	1197.7
152.5°	1053.8	1092.8	1156.3	1237.7
155°	1111.5	1155.4	1221.9	1291.5
157.5°	1170.5	1215.3	1278.8	1339.6
160°	1206.8	1255.2	1312.7	1368.6
162.5°	1247.9	1292.7	1342.9	1392.8
165°	1308.1	1344.4	1385.3	1427.6
167.5°	1358.6	1388.9	1420.9	1453.9
170°	1391.3	1415.5	1442.7	1468.4
172.5°	1419.1	1438.5	1458.4	1480.5
175°	1456.3	1466.9	1479.0	1492.6
177.5°	1485.1	1488.7	1492.3	1498.4
180°	1497.2	1497.2	1497.2	1497.2



TEST NUMBER: P1435979
 CATALOG NUMBER: SQ2W-FB-K-100U-050D-L830-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	9.22	9.97	10.29	11.05	12.52	18.81	19.57	19.89	20.65	22.12
	3H	10.15	10.82	11.23	11.91	13.40	20.41	21.09	21.49	22.17	23.66
	4H	10.54	11.18	11.63	12.27	13.77	20.58	21.23	21.68	22.31	23.81
	6H	10.79	11.38	11.89	12.47	13.98	20.65	21.24	21.76	22.33	23.84
	8H	10.88	11.44	11.98	12.55	14.05	20.67	21.23	21.77	22.34	23.84
	12H	10.92	11.46	12.03	12.56	14.08	20.64	21.18	21.75	22.28	23.80
4H	2H	13.92	14.57	15.02	15.65	17.15	19.17	19.81	20.27	20.90	22.39
	3H	15.04	15.58	16.15	16.69	18.20	21.04	21.58	22.15	22.69	24.20
	4H	15.32	15.81	16.43	16.91	18.44	21.26	21.75	22.37	22.86	24.38
	6H	15.45	15.87	16.57	16.99	18.52	21.38	21.81	22.50	22.93	24.45
	8H	15.48	15.88	16.60	17.00	18.53	21.43	21.82	22.55	22.94	24.48
	12H	15.48	15.84	16.62	16.97	18.51	21.40	21.76	22.54	22.89	24.43
8H	4H	16.50	16.89	17.62	18.01	19.55	21.34	21.73	22.46	22.85	24.39
	6H	16.75	17.08	17.90	18.24	19.77	21.53	21.86	22.67	23.02	24.55
	8H	16.85	17.13	18.00	18.28	19.83	21.62	21.91	22.77	23.05	24.60
	12H	16.89	17.14	18.04	18.27	19.87	21.62	21.87	22.77	23.01	24.60
12H	4H	16.52	16.88	17.66	18.01	19.55	21.29	21.64	22.43	22.78	24.32
	6H	16.86	17.14	18.01	18.28	19.84	21.51	21.80	22.66	22.94	24.50
	8H	16.99	17.24	18.14	18.38	19.97	21.61	21.86	22.76	23.00	24.59