

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: P1427747

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

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1427747
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-20)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-F-K-100U-050D-L830-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - FROSTED CONTINUOUS ROLL LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 500 LUMENS PER FOOT
UPLIGHT 1000 LUMENS PER FOOT
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

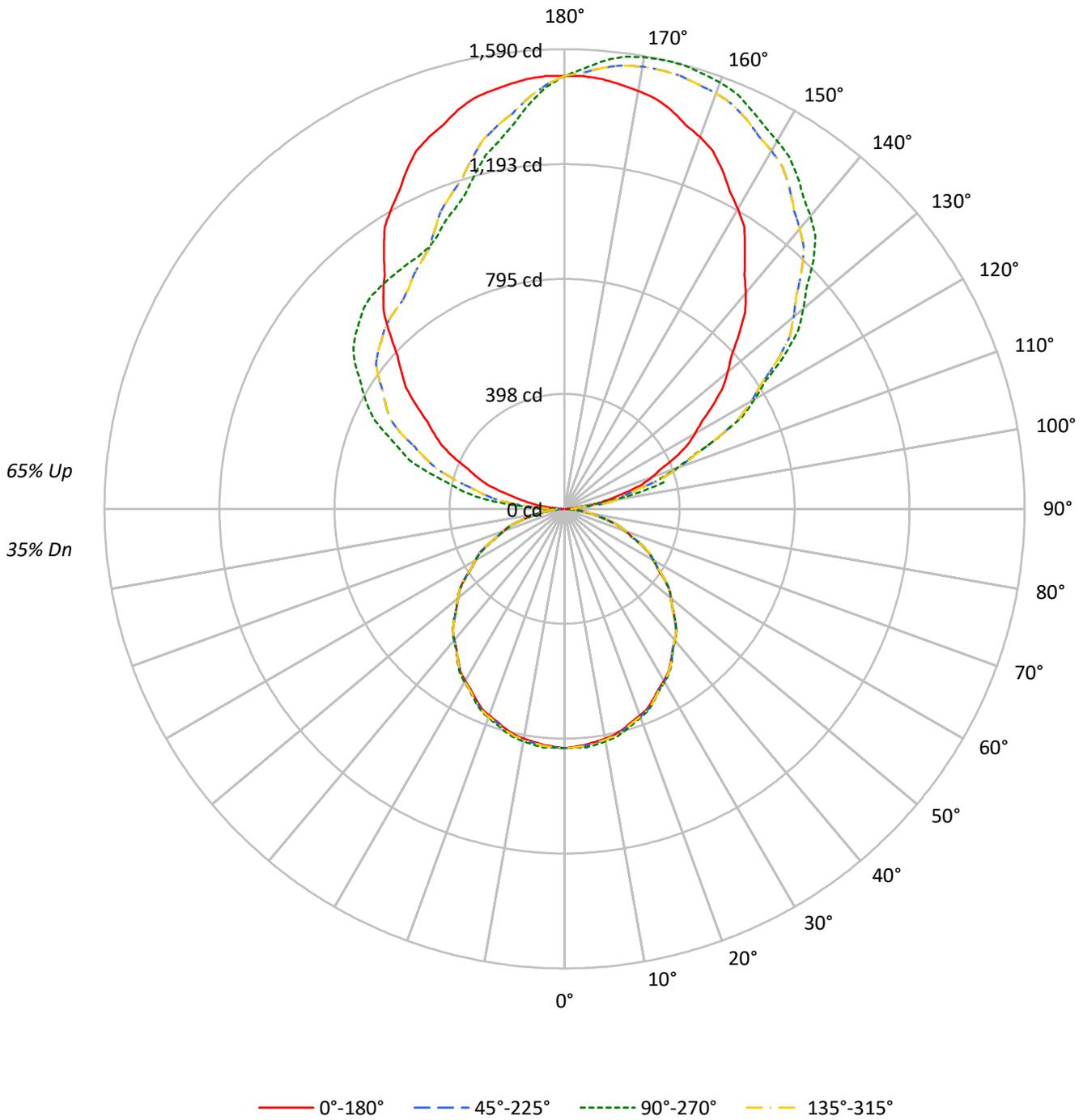
Lumens per Lamp: N/A
Luminaire Lumens: 6707.3 lumens
Efficiency: N/A
Efficacy: 131.8 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.25 / 1.36
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 50.9
Input Voltage (V): 120
Input Current (A_{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-F-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	40	32	31	30	24
3	78	69	62	56	70	62	56	51	50	46	42	39	36	33	29	27	25	20
4	71	61	53	47	64	55	48	43	44	40	36	35	31	28	25	23	21	17
5	65	54	46	40	59	49	42	37	40	35	31	31	27	25	23	20	19	15
6	60	48	40	35	54	44	37	32	36	30	27	28	24	21	21	18	16	13
7	55	43	36	30	50	40	33	28	32	27	23	25	22	19	19	16	14	12
8	51	39	32	26	46	36	29	24	29	24	21	23	19	17	17	15	13	10
9	48	36	28	23	43	33	26	22	27	22	18	21	18	15	16	13	12	9
10	44	33	26	21	40	30	24	19	25	20	16	19	16	13	15	12	10	8

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	13365	13365	13365	13365
5°	13283	13434	13283	13434
10°	13237	13389	13237	13389
15°	13165	13330	13165	13330
20°	13080	13211	13080	13211
25°	12939	13055	12939	13055
30°	12802	12890	12802	12890
35°	12638	12719	12638	12719
40°	12496	12532	12496	12532
45°	12312	12312	12312	12312
50°	12064	12094	12064	12094
55°	11783	11797	11783	11797
60°	11463	11463	11463	11463
65°	11091	11045	11091	11045
70°	10565	10456	10565	10456
75°	9856	9638	9856	9638
80°	8777	8349	8777	8349
85°	7021	5947	7021	5947

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 12394 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.3	1.2
10°-20°	223.8	3.3
20°-30°	336.9	5.0
30°-40°	402.8	6.0
40°-50°	416.0	6.2
50°-60°	375.2	5.6
60°-70°	287.4	4.3
70°-80°	166.1	2.5
80°-90°	49.3	0.7
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°	639.0	9.5
0°-40°	1041.8	15.5
0°-60°	1833.0	27.3
0°-90°	2335.9	34.8
90°-120°	1033.7	15.4
90°-150°	3242.2	48.3
90°-180°	4371.0	65.2
0°-180°	6707.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	828	828	828	828	828	
5°	820	829	820	829	820	78
15°	788	798	788	798	788	222
25°	726	733	726	733	726	335
35°	641	645	641	645	641	401
45°	539	539	539	539	539	416
55°	419	419	419	419	419	374
65°	290	289	290	289	290	287
75°	158	154	158	154	158	167
85°	38	32	38	32	38	44
90°	4	33	4	65	4	5
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°	827.8	827.8	827.8	827.8	827.8	827.8	827.8	827.8	827.8	827.8	827.8
2.5°	823.6	827.5	831.5	829.8	826.3	824.9	825.8	826.5	826.9	827.3	826.9
5°	819.6	824.8	830.0	828.2	824.0	822.2	822.7	823.8	826.4	828.9	826.4
7.5°	813.0	818.2	823.3	821.7	817.7	816.1	816.7	817.8	820.5	823.2	820.5
10°	807.4	812.6	817.7	815.9	811.8	810.2	811.3	812.6	814.6	816.7	814.6
12.5°	800.4	805.6	810.7	809.2	805.5	804.0	804.6	805.6	807.9	810.2	807.9
15°	787.6	792.7	797.9	796.5	792.9	791.4	792.2	793.3	795.4	797.5	795.4
17.5°	772.0	776.9	781.8	780.5	777.1	775.9	776.8	777.9	779.7	781.5	779.7
20°	761.3	766.0	770.6	769.3	765.9	764.4	764.6	765.3	767.1	768.9	767.1
22.5°	748.3	752.9	757.6	756.4	753.2	751.4	750.8	750.9	753.1	755.4	753.1
25°	726.3	731.0	735.7	734.7	731.9	730.0	729.3	729.1	730.9	732.8	730.9
27.5°	703.5	707.4	711.3	710.5	708.1	706.6	706.1	706.0	707.3	708.6	707.3
30°	686.7	690.6	694.5	693.5	690.9	689.4	688.8	688.8	690.1	691.4	690.1
32.5°	669.0	672.7	676.3	675.0	672.0	670.4	670.3	670.6	672.1	673.6	672.1
35°	641.2	644.3	647.5	646.1	643.2	641.9	642.2	642.7	644.0	645.3	644.0
37.5°	613.4	615.8	618.1	616.8	614.1	612.8	612.7	612.9	614.0	615.1	614.0
40°	592.9	595.4	598.0	596.5	593.7	592.1	591.9	592.0	593.3	594.6	593.3
42.5°	571.9	573.8	575.8	574.5	572.0	570.9	571.0	571.3	572.0	572.7	572.0
45°	539.2	541.0	542.8	541.6	539.2	538.1	538.1	538.2	538.7	539.2	538.7
47.5°	505.1	506.5	507.9	506.8	505.0	504.0	503.7	503.6	504.5	505.3	504.5
50°	480.3	482.2	484.0	483.1	481.3	480.1	479.6	479.4	480.5	481.5	480.5
52.5°	456.1	458.1	460.1	459.3	457.5	456.2	455.5	455.1	456.0	456.8	456.0
55°	418.6	420.9	423.2	422.6	421.1	419.8	418.7	418.1	418.6	419.1	418.6
57.5°	380.2	382.5	384.8	384.3	383.0	381.7	380.4	379.7	380.4	381.1	380.4
60°	355.0	357.1	359.2	358.5	357.0	355.7	354.6	354.0	354.5	355.0	354.5
62.5°	329.4	331.4	333.5	332.7	330.9	329.5	328.5	327.9	328.4	328.9	328.4
65°	290.3	292.1	293.9	293.2	291.7	290.4	289.3	288.6	288.9	289.1	288.9
67.5°	250.9	252.5	254.0	253.3	251.8	250.3	248.8	247.7	248.2	248.6	248.2
70°	223.8	225.4	227.0	226.4	225.1	223.8	222.5	221.5	221.5	221.5	221.5
72.5°	197.7	199.1	200.4	199.6	198.1	196.8	195.8	194.9	194.9	194.9	194.9
75°	158.0	158.8	159.5	159.1	158.4	157.3	156.0	155.0	154.7	154.5	154.7
77.5°	119.6	119.6	119.6	118.9	117.9	116.9	115.9	115.1	114.8	114.5	114.8
80°	94.4	94.4	94.4	93.9	93.1	92.3	91.5	90.8	90.3	89.8	90.3
82.5°	71.1	70.7	70.3	69.6	68.8	67.8	66.6	65.9	66.4	66.9	66.4
85°	37.9	37.4	36.9	36.1	35.4	34.5	33.4	32.6	32.3	32.1	32.3
87.5°	12.6	13.4	14.5	15.1	15.4	15.0	14.1	13.8	13.9	13.6	13.9
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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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°	827.8	827.8	827.8	827.8	827.8	827.8	827.8	827.8	827.8	827.8	827.8
2.5°	826.5	825.8	824.9	826.3	829.8	831.5	827.5	823.6	827.5	831.5	829.8
5°	823.8	822.7	822.2	824.0	828.2	830.0	824.8	819.6	824.8	830.0	828.2
7.5°	817.8	816.7	816.1	817.7	821.7	823.3	818.2	813.0	818.2	823.3	821.7
10°	812.6	811.3	810.2	811.8	815.9	817.7	812.6	807.4	812.6	817.7	815.9
12.5°	805.6	804.6	804.0	805.5	809.2	810.7	805.6	800.4	805.6	810.7	809.2
15°	793.3	792.2	791.4	792.9	796.5	797.9	792.7	787.6	792.7	797.9	796.5
17.5°	777.9	776.8	775.9	777.1	780.5	781.8	776.9	772.0	776.9	781.8	780.5
20°	765.3	764.6	764.4	765.9	769.3	770.6	766.0	761.3	766.0	770.6	769.3
22.5°	750.9	750.8	751.4	753.2	756.4	757.6	752.9	748.3	752.9	757.6	756.4
25°	729.1	729.3	730.0	731.9	734.7	735.7	731.0	726.3	731.0	735.7	734.7
27.5°	706.0	706.1	706.6	708.1	710.5	711.3	707.4	703.5	707.4	711.3	710.5
30°	688.8	688.8	689.4	690.9	693.5	694.5	690.6	686.7	690.6	694.5	693.5
32.5°	670.6	670.3	670.4	672.0	675.0	676.3	672.7	669.0	672.7	676.3	675.0
35°	642.7	642.2	641.9	643.2	646.1	647.5	644.3	641.2	644.3	647.5	646.1
37.5°	612.9	612.7	612.8	614.1	616.8	618.1	615.8	613.4	615.8	618.1	616.8
40°	592.0	591.9	592.1	593.7	596.5	598.0	595.4	592.9	595.4	598.0	596.5
42.5°	571.3	571.0	570.9	572.0	574.5	575.8	573.8	571.9	573.8	575.8	574.5
45°	538.2	538.1	538.1	539.2	541.6	542.8	541.0	539.2	541.0	542.8	541.6
47.5°	503.6	503.7	504.0	505.0	506.8	507.9	506.5	505.1	506.5	507.9	506.8
50°	479.4	479.6	480.1	481.3	483.1	484.0	482.2	480.3	482.2	484.0	483.1
52.5°	455.1	455.5	456.2	457.5	459.3	460.1	458.1	456.1	458.1	460.1	459.3
55°	418.1	418.7	419.8	421.1	422.6	423.2	420.9	418.6	420.9	423.2	422.6
57.5°	379.7	380.4	381.7	383.0	384.3	384.8	382.5	380.2	382.5	384.8	384.3
60°	354.0	354.6	355.7	357.0	358.5	359.2	357.1	355.0	357.1	359.2	358.5
62.5°	327.9	328.5	329.5	330.9	332.7	333.5	331.4	329.4	331.4	333.5	332.7
65°	288.6	289.3	290.4	291.7	293.2	293.9	292.1	290.3	292.1	293.9	293.2
67.5°	247.7	248.8	250.3	251.8	253.3	254.0	252.5	250.9	252.5	254.0	253.3
70°	221.5	222.5	223.8	225.1	226.4	227.0	225.4	223.8	225.4	227.0	226.4
72.5°	194.9	195.8	196.8	198.1	199.6	200.4	199.1	197.7	199.1	200.4	199.6
75°	155.0	156.0	157.3	158.4	159.1	159.5	158.8	158.0	158.8	159.5	159.1
77.5°	115.1	115.9	116.9	117.9	118.9	119.6	119.6	119.6	119.6	119.6	118.9
80°	90.8	91.5	92.3	93.1	93.9	94.4	94.4	94.4	94.4	94.4	93.9
82.5°	65.9	66.6	67.8	68.8	69.6	70.3	70.7	71.1	70.7	70.3	69.6
85°	32.6	33.4	34.5	35.4	36.1	36.9	37.4	37.9	37.4	36.9	36.1
87.5°	13.8	14.1	15.0	15.4	15.1	14.5	13.4	12.6	13.4	14.2	15.7
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: P1427747

CATALOG NUMBER: SQ2W-F-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: P1427747

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	827.8	827.8	827.8	827.8	827.8	827.8	827.8	827.8	827.8	827.8	827.8
2.5°	826.3	824.9	825.8	826.5	826.9	827.3	826.9	826.5	825.8	824.9	826.3
5°	824.0	822.2	822.7	823.8	826.4	828.9	826.4	823.8	822.7	822.2	824.0
7.5°	817.7	816.1	816.7	817.8	820.5	823.2	820.5	817.8	816.7	816.1	817.7
10°	811.8	810.2	811.3	812.6	814.6	816.7	814.6	812.6	811.3	810.2	811.8
12.5°	805.5	804.0	804.6	805.6	807.9	810.2	807.9	805.6	804.6	804.0	805.5
15°	792.9	791.4	792.2	793.3	795.4	797.5	795.4	793.3	792.2	791.4	792.9
17.5°	777.1	775.9	776.8	777.9	779.7	781.5	779.7	777.9	776.8	775.9	777.1
20°	765.9	764.4	764.6	765.3	767.1	768.9	767.1	765.3	764.6	764.4	765.9
22.5°	753.2	751.4	750.8	750.9	753.1	755.4	753.1	750.9	750.8	751.4	753.2
25°	731.9	730.0	729.3	729.1	730.9	732.8	730.9	729.1	729.3	730.0	731.9
27.5°	708.1	706.6	706.1	706.0	707.3	708.6	707.3	706.0	706.1	706.6	708.1
30°	690.9	689.4	688.8	688.8	690.1	691.4	690.1	688.8	688.8	689.4	690.9
32.5°	672.0	670.4	670.3	670.6	672.1	673.6	672.1	670.6	670.3	670.4	672.0
35°	643.2	641.9	642.2	642.7	644.0	645.3	644.0	642.7	642.2	641.9	643.2
37.5°	614.1	612.8	612.7	612.9	614.0	615.1	614.0	612.9	612.7	612.8	614.1
40°	593.7	592.1	591.9	592.0	593.3	594.6	593.3	592.0	591.9	592.1	593.7
42.5°	572.0	570.9	571.0	571.3	572.0	572.7	572.0	571.3	571.0	570.9	572.0
45°	539.2	538.1	538.1	538.2	538.7	539.2	538.7	538.2	538.1	538.1	539.2
47.5°	505.0	504.0	503.7	503.6	504.5	505.3	504.5	503.6	503.7	504.0	505.0
50°	481.3	480.1	479.6	479.4	480.5	481.5	480.5	479.4	479.6	480.1	481.3
52.5°	457.5	456.2	455.5	455.1	456.0	456.8	456.0	455.1	455.5	456.2	457.5
55°	421.1	419.8	418.7	418.1	418.6	419.1	418.6	418.1	418.7	419.8	421.1
57.5°	383.0	381.7	380.4	379.7	380.4	381.1	380.4	379.7	380.4	381.7	383.0
60°	357.0	355.7	354.6	354.0	354.5	355.0	354.5	354.0	354.6	355.7	357.0
62.5°	330.9	329.5	328.5	327.9	328.4	328.9	328.4	327.9	328.5	329.5	330.9
65°	291.7	290.4	289.3	288.6	288.9	289.1	288.9	288.6	289.3	290.4	291.7
67.5°	251.8	250.3	248.8	247.7	248.2	248.6	248.2	247.7	248.8	250.3	251.8
70°	225.1	223.8	222.5	221.5	221.5	221.5	221.5	221.5	222.5	223.8	225.1
72.5°	198.1	196.8	195.8	194.9	194.9	194.9	194.9	194.9	195.8	196.8	198.1
75°	158.4	157.3	156.0	155.0	154.7	154.5	154.7	155.0	156.0	157.3	158.4
77.5°	117.9	116.9	115.9	115.1	114.8	114.5	114.8	115.1	115.9	116.9	117.9
80°	93.1	92.3	91.5	90.8	90.3	89.8	90.3	90.8	91.5	92.3	93.1
82.5°	68.8	67.8	66.6	65.9	66.4	66.9	66.4	65.9	66.6	67.8	68.8
85°	35.4	34.5	33.4	32.6	32.3	32.1	32.3	32.6	33.4	34.5	35.4
87.5°	16.6	18.0	19.3	19.8	20.8	20.0	20.8	19.8	19.3	18.0	16.6
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: P1427747

CATALOG NUMBER: SQ2W-F-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: P1427747

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	827.8	827.8	827.8	827.8
2.5°	829.8	831.5	827.5	823.6
5°	828.2	830.0	824.8	819.6
7.5°	821.7	823.3	818.2	813.0
10°	815.9	817.7	812.6	807.4
12.5°	809.2	810.7	805.6	800.4
15°	796.5	797.9	792.7	787.6
17.5°	780.5	781.8	776.9	772.0
20°	769.3	770.6	766.0	761.3
22.5°	756.4	757.6	752.9	748.3
25°	734.7	735.7	731.0	726.3
27.5°	710.5	711.3	707.4	703.5
30°	693.5	694.5	690.6	686.7
32.5°	675.0	676.3	672.7	669.0
35°	646.1	647.5	644.3	641.2
37.5°	616.8	618.1	615.8	613.4
40°	596.5	598.0	595.4	592.9
42.5°	574.5	575.8	573.8	571.9
45°	541.6	542.8	541.0	539.2
47.5°	506.8	507.9	506.5	505.1
50°	483.1	484.0	482.2	480.3
52.5°	459.3	460.1	458.1	456.1
55°	422.6	423.2	420.9	418.6
57.5°	384.3	384.8	382.5	380.2
60°	358.5	359.2	357.1	355.0
62.5°	332.7	333.5	331.4	329.4
65°	293.2	293.9	292.1	290.3
67.5°	253.3	254.0	252.5	250.9
70°	226.4	227.0	225.4	223.8
72.5°	199.6	200.4	199.1	197.7
75°	159.1	159.5	158.8	158.0
77.5°	118.9	119.6	119.6	119.6
80°	93.9	94.4	94.4	94.4
82.5°	69.6	70.3	70.7	71.1
85°	36.1	36.9	37.4	37.9
87.5°	15.7	14.2	13.4	12.6
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: P1427747

CATALOG NUMBER: SQ2W-F-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: P1427747

CATALOG NUMBER: SQ2W-F-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	15.28	16.03	16.35	17.10	18.57	15.19	15.94	16.27	17.02	18.49
	3H	17.06	17.73	18.14	18.82	20.31	16.96	17.63	18.04	18.71	20.20
	4H	17.75	18.39	18.84	19.47	20.97	17.63	18.27	18.73	19.36	20.85
	6H	18.18	18.77	19.29	19.86	21.36	18.04	18.62	19.14	19.72	21.22
	8H	18.34	18.89	19.45	20.00	21.50	18.18	18.74	19.29	19.85	21.35
	12H	18.42	18.95	19.53	20.05	21.57	18.24	18.77	19.35	19.87	21.40
4H	2H	15.84	16.48	16.95	17.57	19.06	15.78	16.41	16.88	17.50	19.00
	3H	17.86	18.39	18.96	19.50	21.01	17.76	18.29	18.87	19.41	20.92
	4H	18.66	19.15	19.78	20.26	21.78	18.55	19.04	19.67	20.14	21.67
	6H	19.21	19.63	20.33	20.76	22.28	19.07	19.49	20.19	20.61	22.14
	8H	19.42	19.81	20.54	20.93	22.47	19.26	19.65	20.38	20.77	22.31
	12H	19.53	19.88	20.67	21.02	22.56	19.34	19.70	20.48	20.83	22.37
8H	4H	18.90	19.29	20.02	20.41	21.95	18.80	19.19	19.92	20.31	21.85
	6H	19.58	19.91	20.72	21.07	22.60	19.45	19.77	20.59	20.94	22.47
	8H	19.89	20.17	21.03	21.31	22.86	19.73	20.01	20.88	21.15	22.71
	12H	20.06	20.31	21.22	21.45	23.04	19.87	20.12	21.03	21.26	22.85
12H	4H	18.89	19.24	20.03	20.37	21.92	18.79	19.15	19.93	20.28	21.82
	6H	19.63	19.91	20.78	21.06	22.61	19.51	19.79	20.65	20.93	22.48
	8H	19.96	20.21	21.11	21.35	22.94	19.81	20.06	20.96	21.20	22.79