

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: P1427748

Luminaire Tested: SQ2W-F-K-100U-050D-L835-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1427748
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-L835-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: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

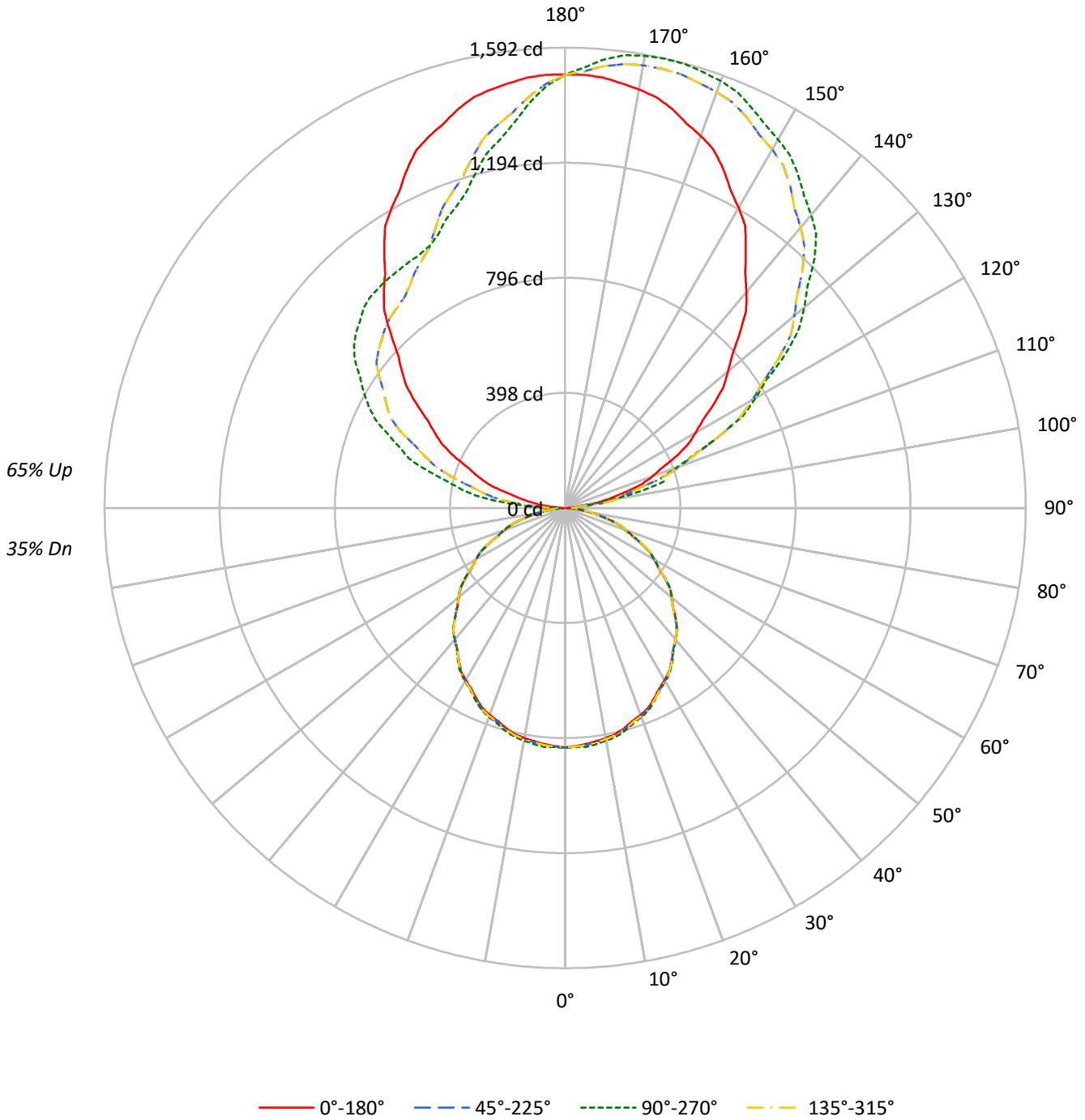
Lumens per Lamp: N/A
Luminaire Lumens: 6713.4 lumens
Efficiency: N/A
Efficacy: 131.9 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.25 / 1.36
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Indirect

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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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°	13377	13377	13377	13377
5°	13296	13447	13296	13447
10°	13248	13401	13248	13401
15°	13177	13342	13177	13342
20°	13092	13223	13092	13223
25°	12951	13065	12951	13065
30°	12814	12901	12814	12901
35°	12650	12731	12650	12731
40°	12507	12543	12507	12543
45°	12323	12323	12323	12323
50°	12077	12104	12077	12104
55°	11792	11808	11792	11808
60°	11473	11473	11473	11473
65°	11102	11056	11102	11056
70°	10579	10466	10579	10466
75°	9863	9644	9863	9644
80°	8786	8359	8786	8359
85°	7021	5947	7021	5947

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 12405 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.4	1.2
10°-20°	224.0	3.3
20°-30°	337.2	5.0
30°-40°	403.2	6.0
40°-50°	416.4	6.2
50°-60°	375.5	5.6
60°-70°	287.7	4.3
70°-80°	166.3	2.5
80°-90°	49.4	0.7
90°-100°	119.3	1.8
100°-110°	347.8	5.2
110°-120°	567.6	8.5
120°-130°	720.2	10.7
130°-140°	770.6	11.5
140°-150°	719.6	10.7
150°-160°	592.1	8.8
160°-170°	397.1	5.9
170°-180°	141.0	2.1
0°-30°	639.6	9.5
0°-40°	1042.8	15.5
0°-60°	1834.7	27.3
0°-90°	2338.0	34.8
90°-120°	1034.6	15.4
90°-150°	3245.1	48.3
90°-180°	4375.0	65.2
0°-180°	6713.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	828	828	828	828	828	
5°	820	830	820	830	820	78
15°	788	798	788	798	788	222
25°	727	733	727	733	727	335
35°	642	646	642	646	642	402
45°	540	540	540	540	540	416
55°	419	420	419	420	419	374
65°	291	289	291	289	291	287
75°	158	155	158	155	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°	424	587	424	724	424	418
125°	627	931	627	887	627	561
135°	852	1218	852	982	852	659
145°	1088	1405	1088	1004	1088	681
155°	1293	1526	1293	1041	1293	594
165°	1429	1591	1429	1199	1429	402
175°	1494	1558	1494	1406	1494	142
180°	1498	1498	1498	1498	1498	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	828.5	828.5	828.5	828.5	828.5	828.5	828.5	828.5	828.5	828.5	828.5
2.5°	824.3	828.3	832.2	830.5	827.0	825.7	826.5	827.2	827.6	828.1	827.6
5°	820.4	825.5	830.7	828.9	824.8	822.9	823.5	824.5	827.1	829.7	827.1
7.5°	813.7	818.9	824.1	822.4	818.5	816.8	817.4	818.6	821.3	824.0	821.3
10°	808.1	813.3	818.5	816.7	812.5	811.0	812.0	813.3	815.4	817.4	815.4
12.5°	801.1	806.3	811.5	810.0	806.2	804.7	805.3	806.3	808.6	810.9	808.6
15°	788.3	793.5	798.6	797.2	793.6	792.2	792.9	794.0	796.1	798.2	796.1
17.5°	772.7	777.6	782.5	781.2	777.8	776.6	777.5	778.6	780.4	782.2	780.4
20°	762.0	766.7	771.3	770.0	766.6	765.1	765.3	766.0	767.8	769.6	767.8
22.5°	748.9	753.6	758.3	757.1	753.9	752.0	751.5	751.6	753.8	756.1	753.8
25°	727.0	731.7	736.3	735.4	732.5	730.7	729.9	729.8	731.6	733.4	731.6
27.5°	704.1	708.0	711.9	711.1	708.7	707.3	706.7	706.7	708.0	709.3	708.0
30°	687.3	691.2	695.1	694.1	691.5	690.0	689.5	689.4	690.7	692.0	690.7
32.5°	669.6	673.3	677.0	675.6	672.6	671.1	670.9	671.2	672.8	674.3	672.8
35°	641.8	644.9	648.0	646.7	643.8	642.5	642.8	643.3	644.6	645.9	644.6
37.5°	613.9	616.3	618.7	617.3	614.7	613.3	613.3	613.5	614.6	615.7	614.6
40°	593.4	596.0	598.6	597.1	594.2	592.7	592.4	592.5	593.8	595.1	593.8
42.5°	572.4	574.4	576.3	575.0	572.6	571.4	571.6	571.9	572.5	573.2	572.5
45°	539.7	541.5	543.3	542.0	539.7	538.5	538.5	538.7	539.2	539.7	539.2
47.5°	505.5	506.9	508.3	507.3	505.5	504.4	504.1	504.1	504.9	505.7	504.9
50°	480.8	482.6	484.4	483.5	481.7	480.5	480.0	479.9	480.9	481.9	480.9
52.5°	456.5	458.5	460.6	459.7	457.9	456.6	455.9	455.5	456.4	457.2	456.4
55°	418.9	421.3	423.6	423.0	421.5	420.2	419.1	418.5	419.0	419.5	419.0
57.5°	380.5	382.8	385.1	384.7	383.3	382.0	380.8	380.0	380.7	381.5	380.7
60°	355.3	357.4	359.5	358.8	357.3	356.0	354.9	354.3	354.8	355.3	354.8
62.5°	329.7	331.7	333.8	333.0	331.2	329.8	328.8	328.2	328.7	329.2	328.7
65°	290.6	292.4	294.2	293.5	291.9	290.6	289.6	288.9	289.1	289.4	289.1
67.5°	251.1	252.7	254.2	253.5	252.0	250.5	249.0	248.0	248.4	248.8	248.4
70°	224.1	225.6	227.2	226.6	225.3	224.0	222.7	221.7	221.7	221.7	221.7
72.5°	197.9	199.3	200.6	199.8	198.3	197.0	195.9	195.1	195.1	195.1	195.1
75°	158.1	158.9	159.7	159.3	158.5	157.5	156.2	155.1	154.9	154.6	154.9
77.5°	119.7	119.7	119.7	119.0	118.0	117.0	116.0	115.2	114.9	114.6	114.9
80°	94.5	94.5	94.5	93.9	93.2	92.4	91.6	90.9	90.4	89.9	90.4
82.5°	71.2	70.8	70.4	69.7	68.9	67.9	66.7	65.9	66.5	67.0	66.5
85°	37.9	37.4	36.9	36.2	35.4	34.5	33.5	32.6	32.4	32.1	32.4
87.5°	12.6	13.4	14.5	15.1	15.4	15.0	14.1	13.8	13.9	13.7	13.9
90°	4.5	10.6	18.2	24.2	28.8	30.3	30.3	31.8	33.3	33.3	33.3
92.5°	16.7	26.3	26.6	26.6	32.4	35.1	37.5	37.8	39.4	39.4	39.4
95°	46.9	51.5	77.2	75.7	51.5	40.9	34.8	34.8	34.8	34.8	34.8
97.5°	89.6	96.3	100.5	134.7	142.3	137.4	112.0	94.1	84.2	79.6	84.2
100°	127.1	130.2	139.3	140.8	178.6	214.9	196.8	174.1	166.5	162.0	166.5
102.5°	164.7	166.5	180.4	186.8	195.6	216.1	279.1	272.2	267.0	266.1	267.0
105°	221.0	222.5	248.2	260.3	266.4	266.4	264.9	295.2	343.6	354.2	343.6
107.5°	281.2	288.2	318.5	350.9	357.8	359.6	351.8	347.2	345.4	346.6	345.4
110°	322.4	333.0	369.3	410.2	420.8	423.8	420.8	416.3	413.2	413.2	413.2



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	362.4	377.8	419.0	465.9	483.8	492.8	486.2	482.9	479.8	482.2	479.8
115°	423.8	446.5	501.0	549.5	585.8	590.3	588.8	588.8	587.3	587.3	587.3
117.5°	480.7	517.1	578.2	634.5	676.6	688.7	694.8	692.9	691.1	694.2	691.1
120°	520.7	563.1	632.7	696.3	737.1	755.3	761.4	758.3	761.4	758.3	761.4
122.5°	563.1	615.1	683.6	749.6	797.7	818.3	825.5	826.2	826.8	824.9	826.8
125°	626.7	690.2	770.4	838.6	888.5	912.7	918.8	920.3	923.3	930.9	923.3
127.5°	690.8	762.9	851.0	916.7	967.8	997.2	1006.6	1009.9	1016.3	1019.6	1016.3
130°	735.6	817.4	906.7	968.7	1018.7	1050.5	1067.1	1071.7	1079.2	1077.7	1079.2
132.5°	782.9	868.2	958.7	1023.2	1069.5	1103.8	1118.0	1131.0	1133.7	1135.8	1133.7
135°	852.2	944.5	1035.3	1098.9	1142.8	1176.1	1194.3	1206.4	1213.9	1218.5	1213.9
137.5°	925.1	1022.6	1109.8	1166.4	1210.6	1239.4	1260.0	1272.7	1280.5	1284.2	1280.5
140°	974.8	1068.6	1153.4	1212.4	1251.8	1280.5	1298.7	1313.8	1322.9	1322.9	1322.9
142.5°	1022.0	1114.7	1197.0	1256.0	1290.5	1316.9	1336.3	1347.8	1358.0	1358.0	1358.0
145°	1088.3	1180.6	1256.3	1315.4	1344.1	1368.3	1389.5	1398.6	1404.7	1404.7	1404.7
147.5°	1157.6	1239.4	1308.4	1365.0	1389.2	1417.7	1434.3	1441.6	1449.2	1445.8	1449.2
150°	1198.8	1274.5	1341.1	1394.1	1418.3	1445.5	1462.2	1468.2	1475.8	1471.3	1475.8
152.5°	1238.8	1310.8	1371.4	1420.7	1441.3	1468.5	1487.6	1493.7	1498.8	1495.5	1498.8
155°	1292.7	1356.2	1412.2	1457.6	1475.8	1501.5	1519.7	1527.3	1533.3	1525.8	1533.3
157.5°	1340.8	1395.6	1444.3	1486.1	1505.5	1527.6	1544.5	1553.9	1560.0	1556.6	1560.0
160°	1369.9	1419.8	1463.7	1503.1	1521.2	1540.9	1559.1	1569.7	1575.7	1571.2	1575.7
162.5°	1394.1	1439.2	1480.7	1516.4	1532.1	1549.4	1571.2	1580.6	1586.6	1580.9	1586.6
165°	1428.9	1465.2	1501.5	1531.8	1545.4	1559.1	1581.8	1592.4	1596.9	1590.8	1596.9
167.5°	1455.2	1483.1	1512.4	1538.5	1548.5	1561.8	1584.5	1593.3	1599.0	1591.5	1599.0
170°	1469.8	1494.0	1519.7	1540.9	1548.5	1560.6	1583.3	1590.8	1595.4	1587.8	1595.4
172.5°	1481.9	1500.0	1520.9	1539.7	1543.6	1553.3	1574.8	1582.4	1585.7	1579.3	1585.7
175°	1494.0	1504.6	1519.7	1531.8	1530.3	1536.4	1554.5	1560.6	1566.6	1557.5	1566.6
177.5°	1499.7	1504.6	1509.4	1516.7	1511.8	1511.8	1525.2	1528.8	1530.0	1525.2	1530.0
180°	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	828.5	828.5	828.5	828.5	828.5	828.5	828.5	828.5	828.5	828.5	828.5
2.5°	827.2	826.5	825.7	827.0	830.5	832.2	828.3	824.3	828.3	832.2	830.5
5°	824.5	823.5	822.9	824.8	828.9	830.7	825.5	820.4	825.5	830.7	828.9
7.5°	818.6	817.4	816.8	818.5	822.4	824.1	818.9	813.7	818.9	824.1	822.4
10°	813.3	812.0	811.0	812.5	816.7	818.5	813.3	808.1	813.3	818.5	816.7
12.5°	806.3	805.3	804.7	806.2	810.0	811.5	806.3	801.1	806.3	811.5	810.0
15°	794.0	792.9	792.2	793.6	797.2	798.6	793.5	788.3	793.5	798.6	797.2
17.5°	778.6	777.5	776.6	777.8	781.2	782.5	777.6	772.7	777.6	782.5	781.2
20°	766.0	765.3	765.1	766.6	770.0	771.3	766.7	762.0	766.7	771.3	770.0
22.5°	751.6	751.5	752.0	753.9	757.1	758.3	753.6	748.9	753.6	758.3	757.1
25°	729.8	729.9	730.7	732.5	735.4	736.3	731.7	727.0	731.7	736.3	735.4
27.5°	706.7	706.7	707.3	708.7	711.1	711.9	708.0	704.1	708.0	711.9	711.1
30°	689.4	689.5	690.0	691.5	694.1	695.1	691.2	687.3	691.2	695.1	694.1
32.5°	671.2	670.9	671.1	672.6	675.6	677.0	673.3	669.6	673.3	677.0	675.6
35°	643.3	642.8	642.5	643.8	646.7	648.0	644.9	641.8	644.9	648.0	646.7
37.5°	613.5	613.3	613.3	614.7	617.3	618.7	616.3	613.9	616.3	618.7	617.3
40°	592.5	592.4	592.7	594.2	597.1	598.6	596.0	593.4	596.0	598.6	597.1
42.5°	571.9	571.6	571.4	572.6	575.0	576.3	574.4	572.4	574.4	576.3	575.0
45°	538.7	538.5	538.5	539.7	542.0	543.3	541.5	539.7	541.5	543.3	542.0
47.5°	504.1	504.1	504.4	505.5	507.3	508.3	506.9	505.5	506.9	508.3	507.3
50°	479.9	480.0	480.5	481.7	483.5	484.4	482.6	480.8	482.6	484.4	483.5
52.5°	455.5	455.9	456.6	457.9	459.7	460.6	458.5	456.5	458.5	460.6	459.7
55°	418.5	419.1	420.2	421.5	423.0	423.6	421.3	418.9	421.3	423.6	423.0
57.5°	380.0	380.8	382.0	383.3	384.7	385.1	382.8	380.5	382.8	385.1	384.7
60°	354.3	354.9	356.0	357.3	358.8	359.5	357.4	355.3	357.4	359.5	358.8
62.5°	328.2	328.8	329.8	331.2	333.0	333.8	331.7	329.7	331.7	333.8	333.0
65°	288.9	289.6	290.6	291.9	293.5	294.2	292.4	290.6	292.4	294.2	293.5
67.5°	248.0	249.0	250.5	252.0	253.5	254.2	252.7	251.1	252.7	254.2	253.5
70°	221.7	222.7	224.0	225.3	226.6	227.2	225.6	224.1	225.6	227.2	226.6
72.5°	195.1	195.9	197.0	198.3	199.8	200.6	199.3	197.9	199.3	200.6	199.8
75°	155.1	156.2	157.5	158.5	159.3	159.7	158.9	158.1	158.9	159.7	159.3
77.5°	115.2	116.0	117.0	118.0	119.0	119.7	119.7	119.7	119.7	119.7	119.0
80°	90.9	91.6	92.4	93.2	93.9	94.5	94.5	94.5	94.5	94.5	93.9
82.5°	65.9	66.7	67.9	68.9	69.7	70.4	70.8	71.2	70.8	70.4	69.7
85°	32.6	33.5	34.5	35.4	36.2	36.9	37.4	37.9	37.4	36.9	36.2
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	30.3	30.3	28.8	24.2	18.2	10.6	4.5	10.6	16.7	27.2
92.5°	37.8	37.5	35.1	32.4	26.6	26.6	26.3	16.7	28.8	40.9	58.7
95°	34.8	34.8	40.9	51.5	75.7	77.2	51.5	46.9	66.6	93.8	118.1
97.5°	94.1	112.0	137.4	142.3	134.7	100.5	96.3	89.6	122.0	148.9	188.0
100°	174.1	196.8	214.9	178.6	140.8	139.3	130.2	127.1	162.0	187.7	225.5
102.5°	272.2	279.1	216.1	195.6	186.8	180.4	166.5	164.7	199.5	234.9	266.7
105°	295.2	264.9	266.4	266.4	260.3	248.2	222.5	221.0	260.3	301.2	340.6
107.5°	347.2	351.8	359.6	357.8	350.9	318.5	288.2	281.2	316.7	365.7	409.0
110°	416.3	420.8	423.8	420.8	410.2	369.3	333.0	322.4	354.2	405.7	452.6



TEST NUMBER: P1427748

CATALOG NUMBER: SQ2W-F-K-100U-050D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	482.9	486.2	492.8	483.8	465.9	419.0	377.8	362.4	394.2	446.8	495.0
115°	588.8	588.8	590.3	585.8	549.5	501.0	446.5	423.8	451.1	499.5	552.5
117.5°	692.9	694.8	688.7	676.6	634.5	578.2	517.1	480.7	502.2	553.4	607.9
120°	758.3	761.4	755.3	737.1	696.3	632.7	563.1	520.7	537.3	587.3	641.8
122.5°	826.2	825.5	818.3	797.7	749.6	683.6	615.1	563.1	570.0	616.4	669.6
125°	920.3	918.8	912.7	888.5	838.6	770.4	690.2	626.7	617.6	656.9	711.4
127.5°	1009.9	1006.6	997.2	967.8	916.7	851.0	762.9	690.8	670.5	695.4	745.3
130°	1071.7	1067.1	1050.5	1018.7	968.7	906.7	817.4	735.6	706.9	722.0	765.9
132.5°	1131.0	1118.0	1103.8	1069.5	1023.2	958.7	868.2	782.9	743.2	749.9	784.1
135°	1206.4	1194.3	1176.1	1142.8	1098.9	1035.3	944.5	852.2	797.7	791.6	811.3
137.5°	1272.7	1260.0	1239.4	1210.6	1166.4	1109.8	1022.6	925.1	856.4	836.1	843.7
140°	1313.8	1298.7	1280.5	1251.8	1212.4	1153.4	1068.6	974.8	897.6	868.8	864.3
142.5°	1347.8	1336.3	1316.9	1290.5	1256.0	1197.0	1114.7	1022.0	940.0	902.7	892.1
145°	1398.6	1389.5	1368.3	1344.1	1315.4	1256.3	1180.6	1088.3	1006.6	958.1	935.4
147.5°	1441.6	1434.3	1417.7	1389.2	1365.0	1308.4	1239.4	1157.6	1073.8	1013.8	984.5
150°	1468.2	1462.2	1445.5	1418.3	1394.1	1341.1	1274.5	1198.8	1118.6	1055.0	1017.2
152.5°	1493.7	1487.6	1468.5	1441.3	1420.7	1371.4	1310.8	1238.8	1157.3	1093.8	1054.7
155°	1527.3	1519.7	1501.5	1475.8	1457.6	1412.2	1356.2	1292.7	1223.0	1156.4	1112.5
157.5°	1553.9	1544.5	1527.6	1505.5	1486.1	1444.3	1395.6	1340.8	1279.9	1216.4	1171.6
160°	1569.7	1559.1	1540.9	1521.2	1503.1	1463.7	1419.8	1369.9	1313.8	1256.3	1207.9
162.5°	1580.6	1571.2	1549.4	1532.1	1516.4	1480.7	1439.2	1394.1	1344.1	1293.9	1249.1
165°	1592.4	1581.8	1559.1	1545.4	1531.8	1501.5	1465.2	1428.9	1386.5	1345.6	1309.3
167.5°	1593.3	1584.5	1561.8	1548.5	1538.5	1512.4	1483.1	1455.2	1422.2	1390.1	1359.9
170°	1590.8	1583.3	1560.6	1548.5	1540.9	1519.7	1494.0	1469.8	1444.0	1416.8	1392.6
172.5°	1582.4	1574.8	1553.3	1543.6	1539.7	1520.9	1500.0	1481.9	1459.8	1439.8	1420.4
175°	1560.6	1554.5	1536.4	1530.3	1531.8	1519.7	1504.6	1494.0	1480.4	1468.2	1457.6
177.5°	1528.8	1525.2	1511.8	1511.8	1516.7	1509.4	1504.6	1499.7	1493.7	1490.0	1486.4
180°	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5



TEST NUMBER: P1427748

CATALOG NUMBER: SQ2W-F-K-100U-050D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	828.5	828.5	828.5	828.5	828.5	828.5	828.5	828.5	828.5	828.5	828.5
2.5°	827.0	825.7	826.5	827.2	827.6	828.1	827.6	827.2	826.5	825.7	827.0
5°	824.8	822.9	823.5	824.5	827.1	829.7	827.1	824.5	823.5	822.9	824.8
7.5°	818.5	816.8	817.4	818.6	821.3	824.0	821.3	818.6	817.4	816.8	818.5
10°	812.5	811.0	812.0	813.3	815.4	817.4	815.4	813.3	812.0	811.0	812.5
12.5°	806.2	804.7	805.3	806.3	808.6	810.9	808.6	806.3	805.3	804.7	806.2
15°	793.6	792.2	792.9	794.0	796.1	798.2	796.1	794.0	792.9	792.2	793.6
17.5°	777.8	776.6	777.5	778.6	780.4	782.2	780.4	778.6	777.5	776.6	777.8
20°	766.6	765.1	765.3	766.0	767.8	769.6	767.8	766.0	765.3	765.1	766.6
22.5°	753.9	752.0	751.5	751.6	753.8	756.1	753.8	751.6	751.5	752.0	753.9
25°	732.5	730.7	729.9	729.8	731.6	733.4	731.6	729.8	729.9	730.7	732.5
27.5°	708.7	707.3	706.7	706.7	708.0	709.3	708.0	706.7	706.7	707.3	708.7
30°	691.5	690.0	689.5	689.4	690.7	692.0	690.7	689.4	689.5	690.0	691.5
32.5°	672.6	671.1	670.9	671.2	672.8	674.3	672.8	671.2	670.9	671.1	672.6
35°	643.8	642.5	642.8	643.3	644.6	645.9	644.6	643.3	642.8	642.5	643.8
37.5°	614.7	613.3	613.3	613.5	614.6	615.7	614.6	613.5	613.3	613.3	614.7
40°	594.2	592.7	592.4	592.5	593.8	595.1	593.8	592.5	592.4	592.7	594.2
42.5°	572.6	571.4	571.6	571.9	572.5	573.2	572.5	571.9	571.6	571.4	572.6
45°	539.7	538.5	538.5	538.7	539.2	539.7	539.2	538.7	538.5	538.5	539.7
47.5°	505.5	504.4	504.1	504.1	504.9	505.7	504.9	504.1	504.1	504.4	505.5
50°	481.7	480.5	480.0	479.9	480.9	481.9	480.9	479.9	480.0	480.5	481.7
52.5°	457.9	456.6	455.9	455.5	456.4	457.2	456.4	455.5	455.9	456.6	457.9
55°	421.5	420.2	419.1	418.5	419.0	419.5	419.0	418.5	419.1	420.2	421.5
57.5°	383.3	382.0	380.8	380.0	380.7	381.5	380.7	380.0	380.8	382.0	383.3
60°	357.3	356.0	354.9	354.3	354.8	355.3	354.8	354.3	354.9	356.0	357.3
62.5°	331.2	329.8	328.8	328.2	328.7	329.2	328.7	328.2	328.8	329.8	331.2
65°	291.9	290.6	289.6	288.9	289.1	289.4	289.1	288.9	289.6	290.6	291.9
67.5°	252.0	250.5	249.0	248.0	248.4	248.8	248.4	248.0	249.0	250.5	252.0
70°	225.3	224.0	222.7	221.7	221.7	221.7	221.7	221.7	222.7	224.0	225.3
72.5°	198.3	197.0	195.9	195.1	195.1	195.1	195.1	195.1	195.9	197.0	198.3
75°	158.5	157.5	156.2	155.1	154.9	154.6	154.9	155.1	156.2	157.5	158.5
77.5°	118.0	117.0	116.0	115.2	114.9	114.6	114.9	115.2	116.0	117.0	118.0
80°	93.2	92.4	91.6	90.9	90.4	89.9	90.4	90.9	91.6	92.4	93.2
82.5°	68.9	67.9	66.7	65.9	66.5	67.0	66.5	65.9	66.7	67.9	68.9
85°	35.4	34.5	33.5	32.6	32.4	32.1	32.4	32.6	33.5	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	62.1	68.1	65.1	68.1	62.1	56.0	45.4	34.8
92.5°	69.9	87.8	100.8	111.7	116.6	115.9	116.6	111.7	100.8	87.8	69.9
95°	140.8	162.0	183.2	198.3	207.4	204.3	207.4	198.3	183.2	162.0	140.8
97.5°	217.1	245.5	269.1	283.4	292.4	298.5	292.4	283.4	269.1	245.5	217.1
100°	267.9	295.2	322.4	339.1	354.2	360.2	354.2	339.1	322.4	295.2	267.9
102.5°	309.1	344.8	374.5	392.3	405.1	411.1	405.1	392.3	374.5	344.8	309.1
105°	376.9	414.7	446.5	469.2	482.9	487.4	482.9	469.2	446.5	414.7	376.9
107.5°	444.7	483.8	513.1	538.3	554.9	564.6	554.9	538.3	513.1	483.8	444.7
110°	498.0	529.8	561.6	584.3	600.9	607.0	600.9	584.3	561.6	529.8	498.0



TEST NUMBER: P1427748

CATALOG NUMBER: SQ2W-F-K-100U-050D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	542.8	578.2	610.0	632.7	651.8	660.3	651.8	632.7	610.0	578.2	542.8
115°	605.5	652.4	681.1	702.3	716.0	723.5	716.0	702.3	681.1	652.4	605.5
117.5°	657.5	706.6	738.1	754.4	760.8	766.2	760.8	754.4	738.1	706.6	657.5
120°	690.2	735.6	772.0	793.2	800.7	803.7	800.7	793.2	772.0	735.6	690.2
122.5°	720.5	763.5	798.6	824.6	837.0	840.1	837.0	824.6	798.6	763.5	720.5
125°	762.9	803.7	840.1	865.8	879.4	887.0	879.4	865.8	840.1	803.7	762.9
127.5°	799.8	844.0	877.3	900.6	913.9	920.0	913.9	900.6	877.3	844.0	799.8
130°	820.4	865.8	899.1	924.8	937.0	943.0	937.0	924.8	899.1	865.8	820.4
132.5°	836.1	884.0	918.5	941.8	955.1	961.2	955.1	941.8	918.5	884.0	836.1
135°	855.2	905.2	941.5	964.2	976.3	982.4	976.3	964.2	941.5	905.2	855.2
137.5°	871.9	917.3	955.1	979.0	989.9	993.9	989.9	979.0	955.1	917.3	871.9
140°	884.0	923.3	961.2	983.9	996.0	997.5	996.0	983.9	961.2	923.3	884.0
142.5°	899.7	930.6	963.6	986.3	998.4	1001.1	998.4	986.3	963.6	930.6	899.7
145°	927.9	946.0	968.7	989.9	1000.5	1003.6	1000.5	989.9	968.7	946.0	927.9
147.5°	963.3	969.0	980.8	994.8	1005.1	1007.2	1005.1	994.8	980.8	969.0	963.3
150°	989.9	988.4	993.0	1002.0	1011.1	1009.6	1011.1	1002.0	993.0	988.4	989.9
152.5°	1020.2	1011.4	1011.1	1015.4	1019.6	1019.3	1019.6	1015.4	1011.1	1011.4	1020.2
155°	1071.7	1055.0	1045.9	1042.9	1042.9	1041.4	1042.9	1042.9	1045.9	1055.0	1071.7
157.5°	1128.3	1105.0	1091.3	1084.1	1082.0	1078.6	1082.0	1084.1	1091.3	1105.0	1128.3
160°	1167.0	1141.3	1127.7	1115.6	1111.0	1106.5	1111.0	1115.6	1127.7	1141.3	1167.0
162.5°	1203.4	1178.8	1164.0	1153.1	1148.6	1141.6	1148.6	1153.1	1164.0	1178.8	1203.4
165°	1262.4	1236.7	1220.0	1210.9	1204.9	1198.8	1204.9	1210.9	1220.0	1236.7	1262.4
167.5°	1321.4	1293.3	1282.4	1272.1	1266.3	1255.4	1266.3	1272.1	1282.4	1293.3	1321.4
170°	1357.7	1332.0	1326.0	1316.9	1306.3	1294.2	1306.3	1316.9	1326.0	1332.0	1357.7
172.5°	1389.2	1372.0	1365.9	1356.8	1353.5	1343.8	1353.5	1356.8	1365.9	1372.0	1389.2
175°	1434.9	1421.3	1421.3	1419.8	1415.3	1406.2	1415.3	1419.8	1421.3	1421.3	1434.9
177.5°	1473.1	1465.8	1470.7	1470.7	1469.5	1461.0	1469.5	1470.7	1470.7	1465.8	1473.1
180°	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5



TEST NUMBER: P1427748

CATALOG NUMBER: SQ2W-F-K-100U-050D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	828.5	828.5	828.5	828.5
2.5°	830.5	832.2	828.3	824.3
5°	828.9	830.7	825.5	820.4
7.5°	822.4	824.1	818.9	813.7
10°	816.7	818.5	813.3	808.1
12.5°	810.0	811.5	806.3	801.1
15°	797.2	798.6	793.5	788.3
17.5°	781.2	782.5	777.6	772.7
20°	770.0	771.3	766.7	762.0
22.5°	757.1	758.3	753.6	748.9
25°	735.4	736.3	731.7	727.0
27.5°	711.1	711.9	708.0	704.1
30°	694.1	695.1	691.2	687.3
32.5°	675.6	677.0	673.3	669.6
35°	646.7	648.0	644.9	641.8
37.5°	617.3	618.7	616.3	613.9
40°	597.1	598.6	596.0	593.4
42.5°	575.0	576.3	574.4	572.4
45°	542.0	543.3	541.5	539.7
47.5°	507.3	508.3	506.9	505.5
50°	483.5	484.4	482.6	480.8
52.5°	459.7	460.6	458.5	456.5
55°	423.0	423.6	421.3	418.9
57.5°	384.7	385.1	382.8	380.5
60°	358.8	359.5	357.4	355.3
62.5°	333.0	333.8	331.7	329.7
65°	293.5	294.2	292.4	290.6
67.5°	253.5	254.2	252.7	251.1
70°	226.6	227.2	225.6	224.1
72.5°	199.8	200.6	199.3	197.9
75°	159.3	159.7	158.9	158.1
77.5°	119.0	119.7	119.7	119.7
80°	93.9	94.5	94.5	94.5
82.5°	69.7	70.4	70.8	71.2
85°	36.2	36.9	37.4	37.9
87.5°	15.7	14.2	13.4	12.6
90°	27.2	16.7	10.6	4.5
92.5°	58.7	40.9	28.8	16.7
95°	118.1	93.8	66.6	46.9
97.5°	188.0	148.9	122.0	89.6
100°	225.5	187.7	162.0	127.1
102.5°	266.7	234.9	199.5	164.7
105°	340.6	301.2	260.3	221.0
107.5°	409.0	365.7	316.7	281.2
110°	452.6	405.7	354.2	322.4



TEST NUMBER: P1427748

CATALOG NUMBER: SQ2W-F-K-100U-050D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	495.0	446.8	394.2	362.4
115°	552.5	499.5	451.1	423.8
117.5°	607.9	553.4	502.2	480.7
120°	641.8	587.3	537.3	520.7
122.5°	669.6	616.4	570.0	563.1
125°	711.4	656.9	617.6	626.7
127.5°	745.3	695.4	670.5	690.8
130°	765.9	722.0	706.9	735.6
132.5°	784.1	749.9	743.2	782.9
135°	811.3	791.6	797.7	852.2
137.5°	843.7	836.1	856.4	925.1
140°	864.3	868.8	897.6	974.8
142.5°	892.1	902.7	940.0	1022.0
145°	935.4	958.1	1006.6	1088.3
147.5°	984.5	1013.8	1073.8	1157.6
150°	1017.2	1055.0	1118.6	1198.8
152.5°	1054.7	1093.8	1157.3	1238.8
155°	1112.5	1156.4	1223.0	1292.7
157.5°	1171.6	1216.4	1279.9	1340.8
160°	1207.9	1256.3	1313.8	1369.9
162.5°	1249.1	1293.9	1344.1	1394.1
165°	1309.3	1345.6	1386.5	1428.9
167.5°	1359.9	1390.1	1422.2	1455.2
170°	1392.6	1416.8	1444.0	1469.8
172.5°	1420.4	1439.8	1459.8	1481.9
175°	1457.6	1468.2	1480.4	1494.0
177.5°	1486.4	1490.0	1493.7	1499.7
180°	1498.5	1498.5	1498.5	1498.5



TEST NUMBER: P1427748

CATALOG NUMBER: SQ2W-F-K-100U-050D-L835-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	16.36	17.10	18.58	15.20	15.94	16.27	17.02	18.49
	3H	17.06	17.73	18.15	18.82	20.31	16.96	17.63	18.04	18.72	20.20
	4H	17.75	18.39	18.85	19.48	20.97	17.64	18.27	18.73	19.36	20.86
	6H	18.18	18.77	19.29	19.86	21.37	18.04	18.63	19.15	19.72	21.23
	8H	18.34	18.90	19.45	20.00	21.51	18.18	18.74	19.29	19.85	21.35
	12H	18.42	18.95	19.53	20.05	21.58	18.24	18.77	19.36	19.87	21.40
4H	2H	15.85	16.48	16.95	17.57	19.07	15.78	16.42	16.88	17.50	19.00
	3H	17.86	18.39	18.97	19.50	21.01	17.76	18.30	18.87	19.41	20.92
	4H	18.67	19.15	19.78	20.26	21.79	18.56	19.04	19.67	20.15	21.68
	6H	19.21	19.63	20.33	20.76	22.28	19.07	19.49	20.19	20.62	22.14
	8H	19.42	19.82	20.54	20.93	22.47	19.26	19.66	20.39	20.77	22.31
	12H	19.53	19.89	20.67	21.02	22.56	19.35	19.70	20.48	20.83	22.38
8H	4H	18.90	19.29	20.02	20.41	21.95	18.80	19.20	19.92	20.31	21.85
	6H	19.59	19.91	20.73	21.07	22.60	19.45	19.78	20.60	20.94	22.47
	8H	19.89	20.17	21.04	21.31	22.87	19.73	20.02	20.88	21.16	22.71
	12H	20.07	20.32	21.22	21.45	23.04	19.88	20.12	21.03	21.26	22.85
12H	4H	18.89	19.24	20.03	20.38	21.92	18.80	19.15	19.93	20.28	21.83
	6H	19.63	19.92	20.78	21.06	22.61	19.51	19.79	20.66	20.93	22.49
	8H	19.96	20.21	21.12	21.35	22.94	19.81	20.06	20.96	21.20	22.79