

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: P1436012

Luminaire Tested: SQ2W-FB-K-125U-075D-L930-UNV-STD-W-WM-4

Issue Date: 3/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1436012
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-125U-075D-L930-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - FROSTED CONTINUOUS BATWING ROLL LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 750 LUMENS PER FOOT
UPLIGHT 1250 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

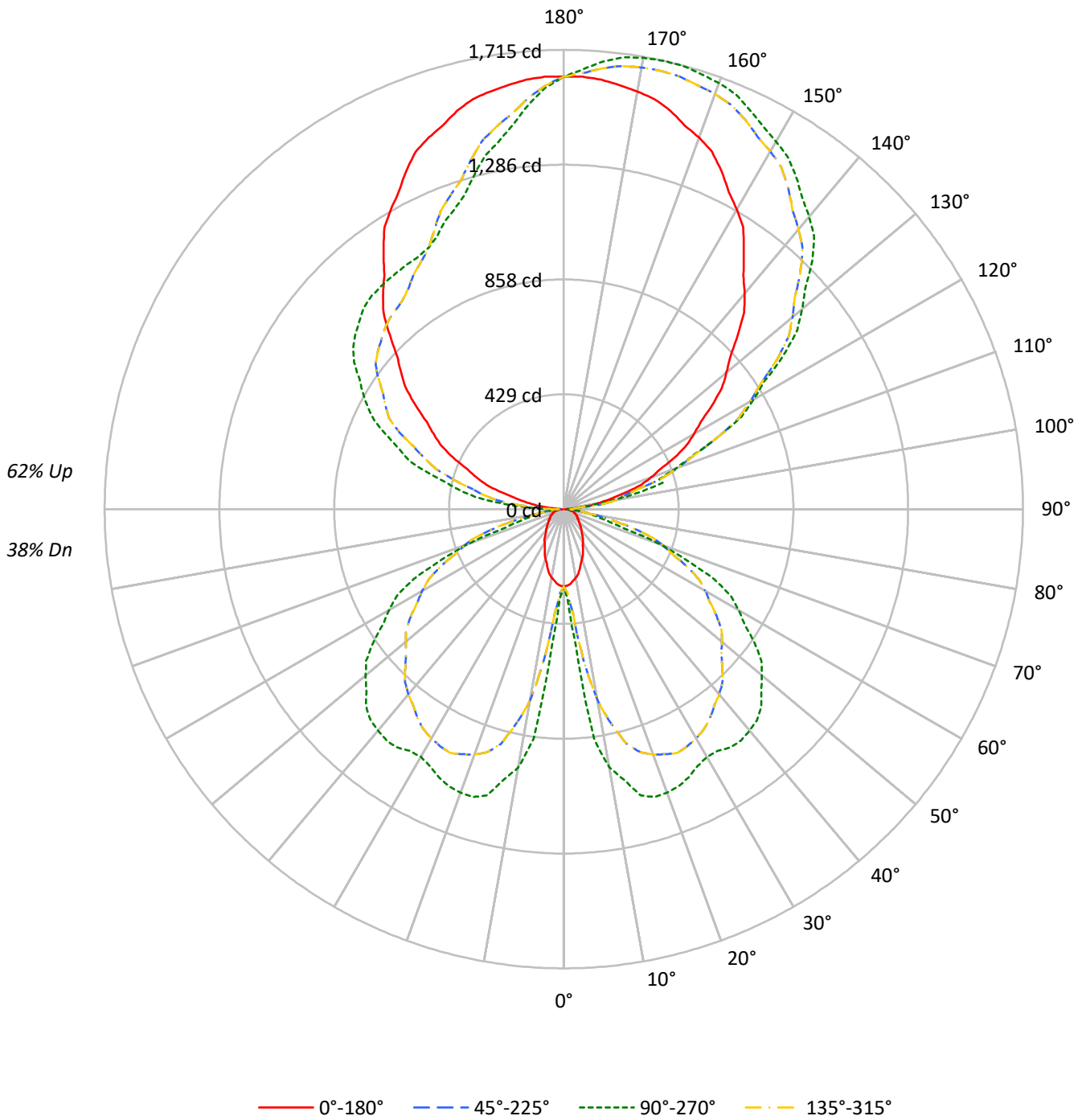
Lumens per Lamp: N/A
Luminaire Lumens: 7571.7 lumens
Efficiency: N/A
Efficacy: 107.1 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 2.98 / 2.52
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 70.7
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	95	95	95	95	77	77	77	60	60	60	45	45	45	38
1	95	91	87	83	86	82	79	76	67	64	62	53	51	50	39	38	38	31
2	86	79	73	67	78	72	66	62	58	54	51	46	43	41	34	33	31	26
3	78	69	62	56	71	63	56	51	51	46	43	40	37	34	30	28	26	21
4	71	61	53	47	64	55	48	43	45	40	36	35	32	29	27	24	22	18
5	65	54	45	40	59	49	42	36	40	35	30	31	28	25	24	21	19	15
6	60	48	40	34	54	44	36	31	36	30	26	28	24	21	21	19	16	13
7	55	43	35	29	50	39	32	27	32	27	23	25	21	19	19	16	14	12
8	51	39	31	26	46	35	29	24	29	24	20	23	19	16	17	15	13	10
9	47	35	28	23	43	32	25	21	26	21	18	21	17	14	16	13	11	9
10	44	32	25	20	40	29	23	19	24	19	16	19	16	13	15	12	10	8

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	4660	4660	4660	4660
5°	4543	8253	4543	8253
10°	4254	16060	4254	16060
15°	3849	18484	3849	18484
20°	3409	19357	3409	19357
25°	3016	19674	3016	19674
30°	2664	19918	2664	19918
35°	2379	21413	2379	21413
40°	2165	22752	2165	22752
45°	1996	23824	1996	23824
50°	1881	24256	1881	24256
55°	1835	24450	1835	24450
60°	1883	24328	1883	24328
65°	1960	23640	1960	23640
70°	2030	17882	2030	17882
75°	2252	9869	2252	9869
80°	2324	9158	2324	9158
85°	2316	3853	2316	3853

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 52.5°
 Luminance: 24671 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.4	0.6
10°-20°	220.6	2.9
20°-30°	388.2	5.1
30°-40°	502.5	6.6
40°-50°	554.2	7.3
50°-60°	517.3	6.8
60°-70°	399.6	5.3
70°-80°	184.2	2.4
80°-90°	41.9	0.6
90°-100°	128.5	1.7
100°-110°	374.8	4.9
110°-120°	611.6	8.1
120°-130°	776.1	10.2
130°-140°	830.4	11.0
140°-150°	775.4	10.2
150°-160°	638.1	8.4
160°-170°	427.9	5.7
170°-180°	151.9	2.0
0°-30°	657.2	8.7
0°-40°	1159.7	15.3
0°-60°	2231.2	29.5
0°-90°	2857.0	37.7
90°-120°	1114.9	14.7
90°-150°	3496.8	46.2
90°-180°	4715.0	62.3
0°-180°	7571.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	289	289	289	289	289	
5°	280	509	280	509	280	26
15°	230	1106	230	1106	230	64
25°	169	1104	169	1104	169	78
35°	121	1086	121	1086	121	76
45°	87	1043	87	1043	87	68
55°	65	869	65	869	65	59
65°	51	619	51	619	51	50
75°	36	158	36	158	36	37
85°	12	21	12	21	12	13
90°	5	36	5	70	5	5
95°	51	38	51	220	51	61
105°	238	382	238	525	238	253
115°	457	633	457	780	457	450
125°	675	1003	675	956	675	604
135°	918	1313	918	1058	918	710
145°	1173	1514	1173	1081	1173	734
155°	1393	1644	1393	1122	1393	640
165°	1540	1714	1540	1292	1540	433
175°	1610	1678	1610	1515	1610	153
180°	1615	1615	1615	1615	1615	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	288.6	288.6	288.6	288.6	288.6	288.6	288.6	288.6	288.6	288.6	288.6
2.5°	286.4	291.8	297.2	303.0	308.9	315.4	322.3	328.2	331.1	334.1	331.1
5°	280.3	298.8	317.3	344.1	373.7	407.3	444.9	477.1	493.2	509.2	493.2
7.5°	269.4	307.1	344.7	424.4	518.1	615.4	716.3	800.0	832.0	864.1	832.0
10°	259.5	311.9	364.3	499.5	662.3	787.5	875.0	945.0	962.3	979.6	962.3
12.5°	248.4	319.5	390.7	557.6	756.4	886.5	947.9	998.4	1016.2	1033.9	1016.2
15°	230.3	332.1	433.8	622.5	840.2	974.0	1024.0	1066.3	1086.1	1105.8	1086.1
17.5°	211.7	347.1	482.6	675.1	886.6	1017.0	1066.5	1106.3	1117.0	1127.7	1117.0
20°	198.4	357.5	516.6	709.5	913.6	1036.9	1079.5	1113.1	1119.8	1126.6	1119.8
22.5°	186.2	364.0	541.9	735.0	933.2	1048.4	1080.6	1106.5	1113.8	1121.1	1113.8
25°	169.3	369.7	570.1	762.6	952.6	1057.7	1078.1	1094.6	1099.5	1104.4	1099.5
27.5°	152.9	364.7	576.4	766.5	949.4	1047.5	1060.9	1072.1	1076.9	1081.7	1076.9
30°	142.9	358.1	573.3	761.7	941.2	1035.8	1045.7	1054.8	1061.6	1068.4	1061.6
32.5°	134.0	350.2	566.4	752.5	928.5	1021.1	1030.5	1041.2	1055.9	1070.6	1055.9
35°	120.7	333.5	546.2	730.3	904.8	999.4	1014.2	1032.1	1059.3	1086.4	1059.3
37.5°	109.3	312.0	514.6	696.8	872.2	975.3	1006.3	1036.0	1062.2	1088.3	1062.2
40°	102.7	296.9	491.2	672.0	848.4	957.2	998.5	1035.1	1057.3	1079.5	1057.3
42.5°	96.0	279.9	463.8	643.1	821.0	934.0	982.2	1024.0	1046.2	1068.4	1046.2
45°	87.4	252.7	417.9	595.7	777.6	896.9	953.7	1001.4	1022.4	1043.4	1022.4
47.5°	79.4	222.9	366.5	545.0	735.2	860.4	920.5	969.5	984.8	1000.1	984.8
50°	74.9	203.2	331.5	510.6	706.7	834.3	893.5	941.0	953.3	965.7	953.3
52.5°	70.5	183.9	297.4	476.9	678.4	807.1	862.8	907.5	918.8	930.2	918.8
55°	65.2	157.7	250.2	427.8	633.8	761.1	809.8	848.8	858.7	868.6	858.7
57.5°	60.5	135.1	209.7	381.7	586.2	709.2	750.8	784.0	792.0	800.0	792.0
60°	58.3	123.0	187.8	352.9	551.4	669.5	707.1	737.4	745.4	753.4	745.4
62.5°	54.9	111.3	167.7	324.0	513.7	625.9	660.5	688.4	695.9	703.4	695.9
65°	51.3	97.0	142.6	283.5	456.2	557.0	586.0	608.9	613.9	618.8	613.9
67.5°	46.3	85.1	123.8	246.4	397.0	481.3	499.3	510.5	501.2	492.0	501.2
70°	43.0	78.8	114.5	223.8	357.7	427.6	433.8	431.8	405.3	378.8	405.3
72.5°	40.8	72.6	104.4	199.1	314.6	365.6	352.0	329.3	279.1	228.9	279.1
75°	36.1	62.0	87.9	159.1	245.4	259.0	199.8	155.7	156.9	158.2	156.9
77.5°	29.4	48.8	68.1	111.9	163.8	174.1	142.8	119.6	120.7	121.8	120.7
80°	25.0	40.4	55.8	73.1	91.0	99.3	98.0	97.3	97.9	98.5	97.9
82.5°	20.5	32.0	43.5	53.8	63.8	69.4	70.7	71.4	70.5	69.7	70.5
85°	12.5	19.3	26.1	30.1	33.1	32.2	27.3	23.3	22.0	20.8	22.0
87.5°	5.4	9.2	13.3	13.7	12.7	12.1	12.1	12.4	12.7	12.7	12.7
90°	4.9	11.4	19.6	26.1	31.0	32.6	32.6	34.3	35.9	35.9	35.9
92.5°	17.9	28.4	28.7	28.7	34.9	37.8	40.4	40.8	42.4	42.4	42.4
95°	50.6	55.5	83.2	81.6	55.5	44.0	37.5	37.5	37.5	37.5	37.5
97.5°	96.6	103.7	108.3	145.2	153.3	148.1	120.7	101.5	90.7	85.8	90.7
100°	137.0	140.3	150.1	151.7	192.5	231.6	212.0	187.6	179.4	174.5	179.4
102.5°	177.5	179.4	194.4	201.3	210.7	232.9	300.8	293.3	287.7	286.7	287.7
105°	238.1	239.8	267.5	280.5	287.1	287.1	285.4	318.1	370.2	381.7	370.2
107.5°	303.0	310.5	343.2	378.1	385.6	387.5	379.1	374.2	372.2	373.5	372.2
110°	347.4	358.8	398.0	442.0	453.4	456.7	453.4	448.5	445.3	445.3	445.3



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	390.5	407.1	451.5	502.0	521.3	531.1	523.9	520.3	517.0	519.6	517.0
115°	456.7	481.2	539.9	592.1	631.2	636.1	634.5	634.5	632.8	632.8	632.8
117.5°	518.0	557.2	623.1	683.7	729.1	742.1	748.6	746.7	744.7	748.0	744.7
120°	561.1	606.7	681.8	750.3	794.3	813.9	820.4	817.1	820.4	817.1	820.4
122.5°	606.7	662.9	736.6	807.7	859.6	881.7	889.6	890.2	890.9	888.9	890.9
125°	675.2	743.8	830.2	903.6	957.4	983.5	990.0	991.7	994.9	1003.1	994.9
127.5°	744.4	822.0	917.0	987.8	1042.9	1074.5	1084.6	1088.2	1095.1	1098.7	1095.1
130°	792.7	880.8	977.0	1043.9	1097.7	1131.9	1149.9	1154.8	1162.9	1161.3	1162.9
132.5°	843.6	935.6	1033.1	1102.6	1152.5	1189.3	1204.7	1218.7	1221.6	1223.9	1221.6
135°	918.3	1017.8	1115.6	1184.1	1231.4	1267.3	1286.9	1299.9	1308.1	1313.0	1308.1
137.5°	996.9	1101.9	1195.9	1256.9	1304.5	1335.5	1357.7	1371.4	1379.9	1383.8	1379.9
140°	1050.4	1151.5	1242.8	1306.5	1348.9	1379.9	1399.4	1415.7	1425.5	1425.5	1425.5
142.5°	1101.3	1201.1	1289.8	1353.4	1390.6	1419.0	1439.9	1452.3	1463.4	1463.4	1463.4
145°	1172.7	1272.2	1353.8	1417.4	1448.4	1474.5	1497.3	1507.1	1513.6	1513.6	1513.6
147.5°	1247.4	1335.5	1409.9	1470.9	1497.0	1527.6	1545.6	1553.4	1561.6	1558.0	1561.6
150°	1291.8	1373.3	1445.1	1502.2	1528.3	1557.6	1575.6	1582.1	1590.3	1585.4	1590.3
152.5°	1334.8	1412.5	1477.7	1530.9	1553.1	1582.4	1603.0	1609.5	1615.0	1611.5	1615.0
155°	1392.9	1461.4	1521.8	1570.7	1590.3	1618.0	1637.6	1645.7	1652.2	1644.1	1652.2
157.5°	1444.8	1503.8	1556.3	1601.3	1622.2	1646.0	1664.3	1674.4	1680.9	1677.4	1680.9
160°	1476.1	1529.9	1577.2	1619.6	1639.2	1660.4	1680.0	1691.4	1697.9	1693.0	1697.9
162.5°	1502.2	1550.8	1595.5	1634.0	1650.9	1669.5	1693.0	1703.1	1709.6	1703.5	1709.6
165°	1539.7	1578.8	1618.0	1650.6	1665.3	1680.0	1704.4	1715.8	1720.7	1714.2	1720.7
167.5°	1568.1	1598.1	1629.7	1657.8	1668.5	1682.9	1707.4	1716.8	1723.0	1714.9	1723.0
170°	1583.7	1609.8	1637.6	1660.4	1668.5	1681.6	1706.1	1714.2	1719.1	1711.0	1719.1
172.5°	1596.8	1616.4	1638.9	1659.1	1663.3	1673.8	1696.9	1705.1	1708.7	1701.8	1708.7
175°	1609.8	1621.2	1637.6	1650.6	1649.0	1655.5	1675.1	1681.6	1688.1	1678.3	1688.1
177.5°	1616.0	1621.2	1626.5	1634.3	1629.1	1629.1	1643.4	1647.3	1648.6	1643.4	1648.6
180°	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	288.6	288.6	288.6	288.6	288.6	288.6	288.6	288.6	288.6	288.6	288.6
2.5°	328.2	322.3	315.4	308.9	303.0	297.2	291.8	286.4	291.8	297.2	303.0
5°	477.1	444.9	407.3	373.7	344.1	317.3	298.8	280.3	298.8	317.3	344.1
7.5°	800.0	716.3	615.4	518.1	424.4	344.7	307.1	269.4	307.1	344.7	424.4
10°	945.0	875.0	787.5	662.3	499.5	364.3	311.9	259.5	311.9	364.3	499.5
12.5°	998.4	947.9	886.5	756.4	557.6	390.7	319.5	248.4	319.5	390.7	557.6
15°	1066.3	1024.0	974.0	840.2	622.5	433.8	332.1	230.3	332.1	433.8	622.5
17.5°	1106.3	1066.5	1017.0	886.6	675.1	482.6	347.1	211.7	347.1	482.6	675.1
20°	1113.1	1079.5	1036.9	913.6	709.5	516.6	357.5	198.4	357.5	516.6	709.5
22.5°	1106.5	1080.6	1048.4	933.2	735.0	541.9	364.0	186.2	364.0	541.9	735.0
25°	1094.6	1078.1	1057.7	952.6	762.6	570.1	369.7	169.3	369.7	570.1	762.6
27.5°	1072.1	1060.9	1047.5	949.4	766.5	576.4	364.7	152.9	364.7	576.4	766.5
30°	1054.8	1045.7	1035.8	941.2	761.7	573.3	358.1	142.9	358.1	573.3	761.7
32.5°	1041.2	1030.5	1021.1	928.5	752.5	566.4	350.2	134.0	350.2	566.4	752.5
35°	1032.1	1014.2	999.4	904.8	730.3	546.2	333.5	120.7	333.5	546.2	730.3
37.5°	1036.0	1006.3	975.3	872.2	696.8	514.6	312.0	109.3	312.0	514.6	696.8
40°	1035.1	998.5	957.2	848.4	672.0	491.2	296.9	102.7	296.9	491.2	672.0
42.5°	1024.0	982.2	934.0	821.0	643.1	463.8	279.9	96.0	279.9	463.8	643.1
45°	1001.4	953.7	896.9	777.6	595.7	417.9	252.7	87.4	252.7	417.9	595.7
47.5°	969.5	920.5	860.4	735.2	545.0	366.5	222.9	79.4	222.9	366.5	545.0
50°	941.0	893.5	834.3	706.7	510.6	331.5	203.2	74.9	203.2	331.5	510.6
52.5°	907.5	862.8	807.1	678.4	476.9	297.4	183.9	70.5	183.9	297.4	476.9
55°	848.8	809.8	761.1	633.8	427.8	250.2	157.7	65.2	157.7	250.2	427.8
57.5°	784.0	750.8	709.2	586.2	381.7	209.7	135.1	60.5	135.1	209.7	381.7
60°	737.4	707.1	669.5	551.4	352.9	187.8	123.0	58.3	123.0	187.8	352.9
62.5°	688.4	660.5	625.9	513.7	324.0	167.7	111.3	54.9	111.3	167.7	324.0
65°	608.9	586.0	557.0	456.2	283.5	142.6	97.0	51.3	97.0	142.6	283.5
67.5°	510.5	499.3	481.3	397.0	246.4	123.8	85.1	46.3	85.1	123.8	246.4
70°	431.8	433.8	427.6	357.7	223.8	114.5	78.8	43.0	78.8	114.5	223.8
72.5°	329.3	352.0	365.6	314.6	199.1	104.4	72.6	40.8	72.6	104.4	199.1
75°	155.7	199.8	259.0	245.4	159.1	87.9	62.0	36.1	62.0	87.9	159.1
77.5°	119.6	142.8	174.1	163.8	111.9	68.1	48.8	29.4	48.8	68.1	111.9
80°	97.3	98.0	99.3	91.0	73.1	55.8	40.4	25.0	40.4	55.8	73.1
82.5°	71.4	70.7	69.4	63.8	53.8	43.5	32.0	20.5	32.0	43.5	53.8
85°	23.3	27.3	32.2	33.1	30.1	26.1	19.3	12.5	19.3	26.1	30.1
87.5°	12.4	12.1	12.1	12.7	13.7	13.3	9.2	5.4	9.2	13.0	14.4
90°	34.3	32.6	32.6	31.0	26.1	19.6	11.4	4.9	11.4	17.9	29.4
92.5°	40.8	40.4	37.8	34.9	28.7	28.7	28.4	17.9	31.0	44.0	63.3
95°	37.5	37.5	44.0	55.5	81.6	83.2	55.5	50.6	71.8	101.1	127.2
97.5°	101.5	120.7	148.1	153.3	145.2	108.3	103.7	96.6	131.5	160.5	202.6
100°	187.6	212.0	231.6	192.5	151.7	150.1	140.3	137.0	174.5	202.2	243.0
102.5°	293.3	300.8	232.9	210.7	201.3	194.4	179.4	177.5	215.0	253.1	287.4
105°	318.1	285.4	287.1	287.1	280.5	267.5	239.8	238.1	280.5	324.6	367.0
107.5°	374.2	379.1	387.5	385.6	378.1	343.2	310.5	303.0	341.2	394.1	440.7
110°	448.5	453.4	456.7	453.4	442.0	398.0	358.8	347.4	381.7	437.1	487.7



TEST NUMBER: P1436012

CATALOG NUMBER: SQ2W-FB-K-125U-075D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	520.3	523.9	531.1	521.3	502.0	451.5	407.1	390.5	424.7	481.5	533.3
115°	634.5	634.5	636.1	631.2	592.1	539.9	481.2	456.7	486.0	538.2	595.3
117.5°	746.7	748.6	742.1	729.1	683.7	623.1	557.2	518.0	541.2	596.3	655.0
120°	817.1	820.4	813.9	794.3	750.3	681.8	606.7	561.1	579.0	632.8	691.6
122.5°	890.2	889.6	881.7	859.6	807.7	736.6	662.9	606.7	614.2	664.2	721.6
125°	991.7	990.0	983.5	957.4	903.6	830.2	743.8	675.2	665.5	707.9	766.6
127.5°	1088.2	1084.6	1074.5	1042.9	987.8	917.0	822.0	744.4	722.5	749.3	803.1
130°	1154.8	1149.9	1131.9	1097.7	1043.9	977.0	880.8	792.7	761.7	778.0	825.3
132.5°	1218.7	1204.7	1189.3	1152.5	1102.6	1033.1	935.6	843.6	800.8	808.0	844.9
135°	1299.9	1286.9	1267.3	1231.4	1184.1	1115.6	1017.8	918.3	859.6	853.0	874.2
137.5°	1371.4	1357.7	1335.5	1304.5	1256.9	1195.9	1101.9	996.9	922.8	901.0	909.1
140°	1415.7	1399.4	1379.9	1348.9	1306.5	1242.8	1151.5	1050.4	967.2	936.2	931.3
142.5°	1452.3	1439.9	1419.0	1390.6	1353.4	1289.8	1201.1	1101.3	1012.9	972.7	961.3
145°	1507.1	1497.3	1474.5	1448.4	1417.4	1353.8	1272.2	1172.7	1084.6	1032.4	1008.0
147.5°	1553.4	1545.6	1527.6	1497.0	1470.9	1409.9	1335.5	1247.4	1157.1	1092.5	1060.8
150°	1582.1	1575.6	1557.6	1528.3	1502.2	1445.1	1373.3	1291.8	1205.3	1136.8	1096.1
152.5°	1609.5	1603.0	1582.4	1553.1	1530.9	1477.7	1412.5	1334.8	1247.1	1178.6	1136.5
155°	1645.7	1637.6	1618.0	1590.3	1570.7	1521.8	1461.4	1392.9	1317.9	1246.1	1198.8
157.5°	1674.4	1664.3	1646.0	1622.2	1601.3	1556.3	1503.8	1444.8	1379.2	1310.7	1262.4
160°	1691.4	1680.0	1660.4	1639.2	1619.6	1577.2	1529.9	1476.1	1415.7	1353.8	1301.6
162.5°	1703.1	1693.0	1669.5	1650.9	1634.0	1595.5	1550.8	1502.2	1448.4	1394.2	1345.9
165°	1715.8	1704.4	1680.0	1665.3	1650.6	1618.0	1578.8	1539.7	1494.0	1450.0	1410.8
167.5°	1716.8	1707.4	1682.9	1668.5	1657.8	1629.7	1598.1	1568.1	1532.5	1497.9	1465.3
170°	1714.2	1706.1	1681.6	1668.5	1660.4	1637.6	1609.8	1583.7	1556.0	1526.6	1500.6
172.5°	1705.1	1696.9	1673.8	1663.3	1659.1	1638.9	1616.4	1596.8	1573.0	1551.4	1530.6
175°	1681.6	1675.1	1655.5	1649.0	1650.6	1637.6	1621.2	1609.8	1595.2	1582.1	1570.7
177.5°	1647.3	1643.4	1629.1	1629.1	1634.3	1626.5	1621.2	1616.0	1609.5	1605.6	1601.7
180°	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7



TEST NUMBER: P1436012

CATALOG NUMBER: SQ2W-FB-K-125U-075D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	288.6	288.6	288.6	288.6	288.6	288.6	288.6	288.6	288.6	288.6	288.6
2.5°	308.9	315.4	322.3	328.2	331.1	334.1	331.1	328.2	322.3	315.4	308.9
5°	373.7	407.3	444.9	477.1	493.2	509.2	493.2	477.1	444.9	407.3	373.7
7.5°	518.1	615.4	716.3	800.0	832.0	864.1	832.0	800.0	716.3	615.4	518.1
10°	662.3	787.5	875.0	945.0	962.3	979.6	962.3	945.0	875.0	787.5	662.3
12.5°	756.4	886.5	947.9	998.4	1016.2	1033.9	1016.2	998.4	947.9	886.5	756.4
15°	840.2	974.0	1024.0	1066.3	1086.1	1105.8	1086.1	1066.3	1024.0	974.0	840.2
17.5°	886.6	1017.0	1066.5	1106.3	1117.0	1127.7	1117.0	1106.3	1066.5	1017.0	886.6
20°	913.6	1036.9	1079.5	1113.1	1119.8	1126.6	1119.8	1113.1	1079.5	1036.9	913.6
22.5°	933.2	1048.4	1080.6	1106.5	1113.8	1121.1	1113.8	1106.5	1080.6	1048.4	933.2
25°	952.6	1057.7	1078.1	1094.6	1099.5	1104.4	1099.5	1094.6	1078.1	1057.7	952.6
27.5°	949.4	1047.5	1060.9	1072.1	1076.9	1081.7	1076.9	1072.1	1060.9	1047.5	949.4
30°	941.2	1035.8	1045.7	1054.8	1061.6	1068.4	1061.6	1054.8	1045.7	1035.8	941.2
32.5°	928.5	1021.1	1030.5	1041.2	1055.9	1070.6	1055.9	1041.2	1030.5	1021.1	928.5
35°	904.8	999.4	1014.2	1032.1	1059.3	1086.4	1059.3	1032.1	1014.2	999.4	904.8
37.5°	872.2	975.3	1006.3	1036.0	1062.2	1088.3	1062.2	1036.0	1006.3	975.3	872.2
40°	848.4	957.2	998.5	1035.1	1057.3	1079.5	1057.3	1035.1	998.5	957.2	848.4
42.5°	821.0	934.0	982.2	1024.0	1046.2	1068.4	1046.2	1024.0	982.2	934.0	821.0
45°	777.6	896.9	953.7	1001.4	1022.4	1043.4	1022.4	1001.4	953.7	896.9	777.6
47.5°	735.2	860.4	920.5	969.5	984.8	1000.1	984.8	969.5	920.5	860.4	735.2
50°	706.7	834.3	893.5	941.0	953.3	965.7	953.3	941.0	893.5	834.3	706.7
52.5°	678.4	807.1	862.8	907.5	918.8	930.2	918.8	907.5	862.8	807.1	678.4
55°	633.8	761.1	809.8	848.8	858.7	868.6	858.7	848.8	809.8	761.1	633.8
57.5°	586.2	709.2	750.8	784.0	792.0	800.0	792.0	784.0	750.8	709.2	586.2
60°	551.4	669.5	707.1	737.4	745.4	753.4	745.4	737.4	707.1	669.5	551.4
62.5°	513.7	625.9	660.5	688.4	695.9	703.4	695.9	688.4	660.5	625.9	513.7
65°	456.2	557.0	586.0	608.9	613.9	618.8	613.9	608.9	586.0	557.0	456.2
67.5°	397.0	481.3	499.3	510.5	501.2	492.0	501.2	510.5	499.3	481.3	397.0
70°	357.7	427.6	433.8	431.8	405.3	378.8	405.3	431.8	433.8	427.6	357.7
72.5°	314.6	365.6	352.0	329.3	279.1	228.9	279.1	329.3	352.0	365.6	314.6
75°	245.4	259.0	199.8	155.7	156.9	158.2	156.9	155.7	199.8	259.0	245.4
77.5°	163.8	174.1	142.8	119.6	120.7	121.8	120.7	119.6	142.8	174.1	163.8
80°	91.0	99.3	98.0	97.3	97.9	98.5	97.9	97.3	98.0	99.3	91.0
82.5°	63.8	69.4	70.7	71.4	70.5	69.7	70.5	71.4	70.7	69.4	63.8
85°	33.1	32.2	27.3	23.3	22.0	20.8	22.0	23.3	27.3	32.2	33.1
87.5°	14.0	15.3	17.6	18.9	20.2	19.6	20.2	18.9	17.6	15.3	14.0
90°	37.5	48.9	60.3	66.9	73.4	70.1	73.4	66.9	60.3	48.9	37.5
92.5°	75.4	94.6	108.6	120.4	125.6	124.9	125.6	120.4	108.6	94.6	75.4
95°	151.7	174.5	197.4	213.7	223.5	220.2	223.5	213.7	197.4	174.5	151.7
97.5°	233.9	264.6	290.0	305.3	315.1	321.6	315.1	305.3	290.0	264.6	233.9
100°	288.7	318.1	347.4	365.4	381.7	388.2	381.7	365.4	347.4	318.1	288.7
102.5°	333.1	371.5	403.5	422.8	436.5	443.0	436.5	422.8	403.5	371.5	333.1
105°	406.1	446.9	481.2	505.6	520.3	525.2	520.3	505.6	481.2	446.9	406.1
107.5°	479.2	521.3	552.9	580.0	597.9	608.4	597.9	580.0	552.9	521.3	479.2
110°	536.6	570.9	605.1	629.6	647.5	654.0	647.5	629.6	605.1	570.9	536.6



TEST NUMBER: P1436012

CATALOG NUMBER: SQ2W-FB-K-125U-075D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	584.9	623.1	657.3	681.8	702.3	711.5	702.3	681.8	657.3	623.1	584.9
115°	652.4	703.0	734.0	756.8	771.5	779.6	771.5	756.8	734.0	703.0	652.4
117.5°	708.5	761.4	795.3	812.9	819.8	825.6	819.8	812.9	795.3	761.4	708.5
120°	743.8	792.7	831.8	854.7	862.8	866.1	862.8	854.7	831.8	792.7	743.8
122.5°	776.4	822.7	860.5	888.6	902.0	905.2	902.0	888.6	860.5	822.7	776.4
125°	822.0	866.1	905.2	933.0	947.6	955.8	947.6	933.0	905.2	866.1	822.0
127.5°	861.8	909.5	945.3	970.5	984.8	991.3	984.8	970.5	945.3	909.5	861.8
130°	884.0	933.0	968.8	996.6	1009.6	1016.1	1009.6	996.6	968.8	933.0	884.0
132.5°	901.0	952.5	989.7	1014.8	1029.2	1035.7	1029.2	1014.8	989.7	952.5	901.0
135°	921.5	975.4	1014.5	1039.0	1052.0	1058.5	1052.0	1039.0	1014.5	975.4	921.5
137.5°	939.5	988.4	1029.2	1055.0	1066.7	1070.9	1066.7	1055.0	1029.2	988.4	939.5
140°	952.5	994.9	1035.7	1060.2	1073.2	1074.9	1073.2	1060.2	1035.7	994.9	952.5
142.5°	969.5	1002.8	1038.3	1062.8	1075.8	1078.8	1075.8	1062.8	1038.3	1002.8	969.5
145°	999.8	1019.4	1043.9	1066.7	1078.1	1081.4	1078.1	1066.7	1043.9	1019.4	999.8
147.5°	1038.0	1044.2	1056.9	1071.9	1083.0	1085.3	1083.0	1071.9	1056.9	1044.2	1038.0
150°	1066.7	1065.1	1070.0	1079.7	1089.5	1087.9	1089.5	1079.7	1070.0	1065.1	1066.7
152.5°	1099.3	1089.9	1089.5	1094.1	1098.7	1098.3	1098.7	1094.1	1089.5	1089.9	1099.3
155°	1154.8	1136.8	1127.0	1123.8	1123.8	1122.2	1123.8	1123.8	1127.0	1136.8	1154.8
157.5°	1215.8	1190.7	1176.0	1168.1	1165.9	1162.3	1165.9	1168.1	1176.0	1190.7	1215.8
160°	1257.5	1229.8	1215.1	1202.1	1197.2	1192.3	1197.2	1202.1	1215.1	1229.8	1257.5
162.5°	1296.7	1270.2	1254.3	1242.5	1237.6	1230.1	1237.6	1242.5	1254.3	1270.2	1296.7
165°	1360.3	1332.6	1314.6	1304.8	1298.3	1291.8	1298.3	1304.8	1314.6	1332.6	1360.3
167.5°	1423.9	1393.6	1381.8	1370.7	1364.5	1352.8	1364.5	1370.7	1381.8	1393.6	1423.9
170°	1463.0	1435.3	1428.8	1419.0	1407.6	1394.5	1407.6	1419.0	1428.8	1435.3	1463.0
172.5°	1497.0	1478.4	1471.8	1462.1	1458.5	1448.0	1458.5	1462.1	1471.8	1478.4	1497.0
175°	1546.2	1531.5	1531.5	1529.9	1525.0	1515.2	1525.0	1529.9	1531.5	1531.5	1546.2
177.5°	1587.3	1579.5	1584.7	1584.7	1583.4	1574.3	1583.4	1584.7	1584.7	1579.5	1587.3
180°	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7



TEST NUMBER: P1436012

CATALOG NUMBER: SQ2W-FB-K-125U-075D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	288.6	288.6	288.6	288.6
2.5°	303.0	297.2	291.8	286.4
5°	344.1	317.3	298.8	280.3
7.5°	424.4	344.7	307.1	269.4
10°	499.5	364.3	311.9	259.5
12.5°	557.6	390.7	319.5	248.4
15°	622.5	433.8	332.1	230.3
17.5°	675.1	482.6	347.1	211.7
20°	709.5	516.6	357.5	198.4
22.5°	735.0	541.9	364.0	186.2
25°	762.6	570.1	369.7	169.3
27.5°	766.5	576.4	364.7	152.9
30°	761.7	573.3	358.1	142.9
32.5°	752.5	566.4	350.2	134.0
35°	730.3	546.2	333.5	120.7
37.5°	696.8	514.6	312.0	109.3
40°	672.0	491.2	296.9	102.7
42.5°	643.1	463.8	279.9	96.0
45°	595.7	417.9	252.7	87.4
47.5°	545.0	366.5	222.9	79.4
50°	510.6	331.5	203.2	74.9
52.5°	476.9	297.4	183.9	70.5
55°	427.8	250.2	157.7	65.2
57.5°	381.7	209.7	135.1	60.5
60°	352.9	187.8	123.0	58.3
62.5°	324.0	167.7	111.3	54.9
65°	283.5	142.6	97.0	51.3
67.5°	246.4	123.8	85.1	46.3
70°	223.8	114.5	78.8	43.0
72.5°	199.1	104.4	72.6	40.8
75°	159.1	87.9	62.0	36.1
77.5°	111.9	68.1	48.8	29.4
80°	73.1	55.8	40.4	25.0
82.5°	53.8	43.5	32.0	20.5
85°	30.1	26.1	19.3	12.5
87.5°	14.4	13.0	9.2	5.4
90°	29.4	17.9	11.4	4.9
92.5°	63.3	44.0	31.0	17.9
95°	127.2	101.1	71.8	50.6
97.5°	202.6	160.5	131.5	96.6
100°	243.0	202.2	174.5	137.0
102.5°	287.4	253.1	215.0	177.5
105°	367.0	324.6	280.5	238.1
107.5°	440.7	394.1	341.2	303.0
110°	487.7	437.1	381.7	347.4



TEST NUMBER: P1436012

CATALOG NUMBER: SQ2W-FB-K-125U-075D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	533.3	481.5	424.7	390.5
115°	595.3	538.2	486.0	456.7
117.5°	655.0	596.3	541.2	518.0
120°	691.6	632.8	579.0	561.1
122.5°	721.6	664.2	614.2	606.7
125°	766.6	707.9	665.5	675.2
127.5°	803.1	749.3	722.5	744.4
130°	825.3	778.0	761.7	792.7
132.5°	844.9	808.0	800.8	843.6
135°	874.2	853.0	859.6	918.3
137.5°	909.1	901.0	922.8	996.9
140°	931.3	936.2	967.2	1050.4
142.5°	961.3	972.7	1012.9	1101.3
145°	1008.0	1032.4	1084.6	1172.7
147.5°	1060.8	1092.5	1157.1	1247.4
150°	1096.1	1136.8	1205.3	1291.8
152.5°	1136.5	1178.6	1247.1	1334.8
155°	1198.8	1246.1	1317.9	1392.9
157.5°	1262.4	1310.7	1379.2	1444.8
160°	1301.6	1353.8	1415.7	1476.1
162.5°	1345.9	1394.2	1448.4	1502.2
165°	1410.8	1450.0	1494.0	1539.7
167.5°	1465.3	1497.9	1532.5	1568.1
170°	1500.6	1526.6	1556.0	1583.7
172.5°	1530.6	1551.4	1573.0	1596.8
175°	1570.7	1582.1	1595.2	1609.8
177.5°	1601.7	1605.6	1609.5	1616.0
180°	1614.7	1614.7	1614.7	1614.7



TEST NUMBER: P1436012
 CATALOG NUMBER: SQ2W-FB-K-125U-075D-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	10.27	11.05	11.33	12.11	13.55	19.87	20.65	20.92	21.71	23.14
	3H	11.21	11.91	12.27	12.97	14.43	21.47	22.17	22.53	23.24	24.69
	4H	11.60	12.26	12.67	13.33	14.79	21.64	22.31	22.72	23.38	24.84
	6H	11.85	12.46	12.93	13.53	15.01	21.71	22.32	22.80	23.40	24.87
	8H	11.94	12.52	13.03	13.61	15.08	21.73	22.31	22.82	23.40	24.87
	12H	11.99	12.54	13.08	13.62	15.11	21.70	22.26	22.80	23.34	24.83
4H	2H	14.98	15.65	16.06	16.72	18.18	20.23	20.89	21.31	21.96	23.42
	3H	16.10	16.66	17.19	17.75	19.23	22.11	22.66	23.19	23.75	25.23
	4H	16.38	16.89	17.48	17.98	19.47	22.32	22.83	23.42	23.92	25.41
	6H	16.51	16.95	17.61	18.06	19.54	22.45	22.89	23.55	24.00	25.48
	8H	16.55	16.96	17.65	18.06	19.56	22.49	22.90	23.59	24.00	25.50
	12H	16.55	16.92	17.67	18.03	19.54	22.47	22.84	23.59	23.95	25.46
8H	4H	17.57	17.97	18.67	19.08	20.58	22.41	22.81	23.51	23.92	25.42
	6H	17.82	18.16	18.95	19.30	20.80	22.60	22.94	23.72	24.08	25.58
	8H	17.92	18.21	19.05	19.34	20.86	22.69	22.98	23.82	24.11	25.63
	12H	17.96	18.21	19.09	19.34	20.89	22.69	22.95	23.83	24.07	25.63
12H	4H	17.59	17.96	18.71	19.07	20.58	22.36	22.72	23.47	23.84	25.35
	6H	17.93	18.22	19.06	19.35	20.87	22.58	22.88	23.71	24.00	25.52
	8H	18.06	18.32	19.20	19.44	21.00	22.68	22.94	23.81	24.06	25.61