

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: P1435838

Luminaire Tested: SQ2W-FA-K-125U-050D-L930-UNV-STD-W-WM-4

Issue Date: 3/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1435838
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2502-345-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-FA-K-125U-050D-L930-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - FROSTED CONTINUOUS ASYMMETRIC ROLL LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 500 LUMENS PER FOOT
UPLIGHT 1250 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

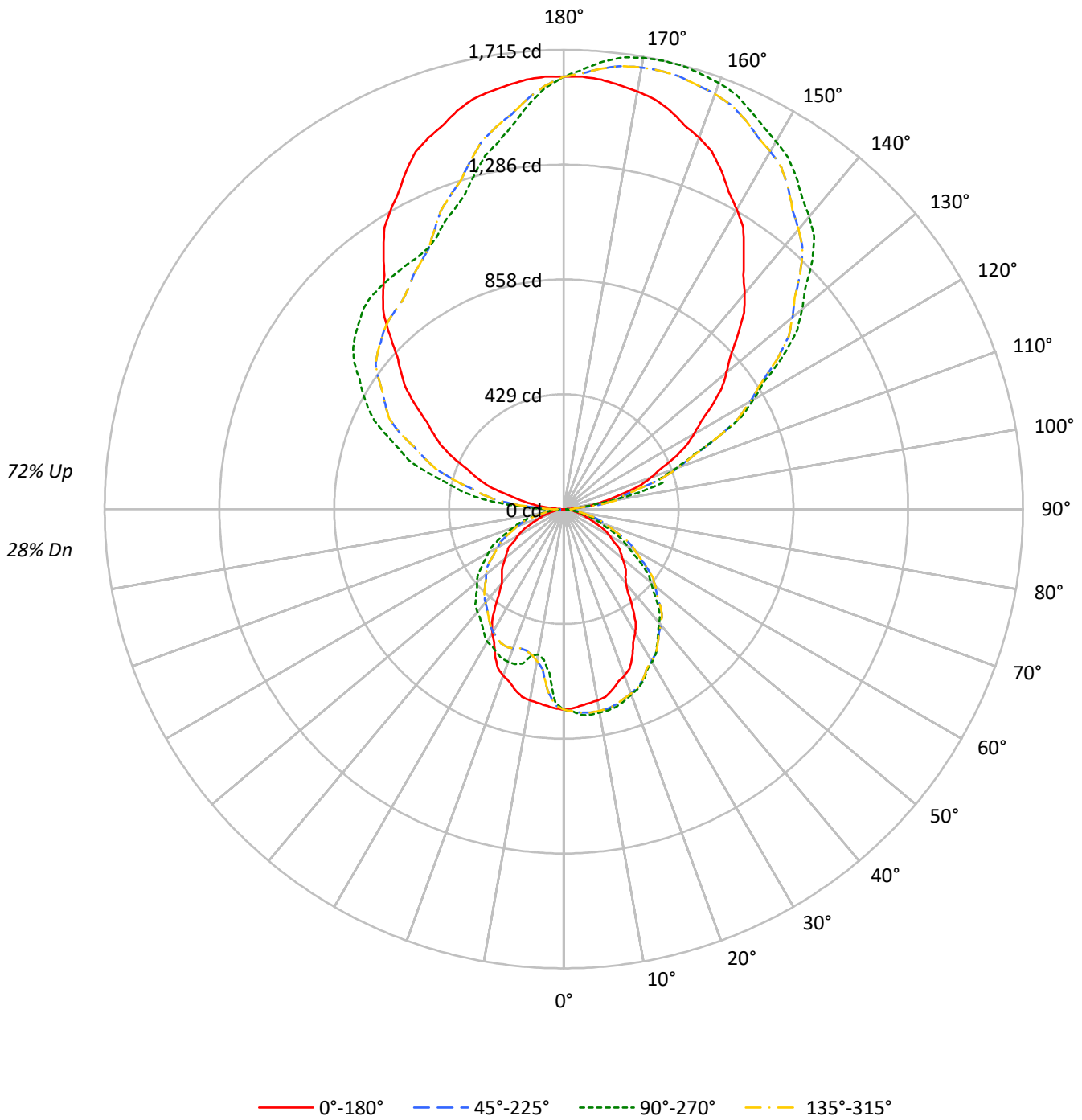
Lumens per Lamp: N/A
Luminaire Lumens: 6580.7 lumens
Efficiency: N/A
Efficacy: 106.5 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.23 / 1.34
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 61.8
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	102	102	102	102	91	91	91	91	71	71	71	53	53	53	36	36	36	28
1	93	89	85	82	83	80	77	74	62	60	58	47	45	44	32	31	31	24
2	85	78	72	67	76	70	65	60	55	51	48	41	39	37	28	27	26	20
3	77	68	61	55	69	61	55	50	48	44	41	36	33	31	25	23	22	17
4	71	60	53	47	63	54	48	43	43	38	34	32	29	27	22	20	19	15
5	65	53	46	40	58	48	41	36	38	33	30	29	25	23	20	18	16	13
6	59	48	40	34	53	43	36	31	34	29	26	26	23	20	18	16	14	11
7	55	43	35	30	49	39	32	27	31	26	22	23	20	18	17	14	13	10
8	51	39	31	26	45	35	29	24	28	23	20	21	18	16	15	13	11	9
9	47	35	28	23	42	32	26	21	26	21	18	20	16	14	14	12	10	8
10	44	32	25	21	39	29	23	19	23	19	16	18	15	12	13	11	9	7

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	12088	12088	12088	12088
5°	11946	12510	11946	9971
10°	11894	12655	11894	9040
15°	11689	12757	11689	9992
20°	11367	12665	11367	10421
25°	10805	12563	10805	10546
30°	9954	12280	9954	10658
35°	8808	12011	8808	10466
40°	7583	11683	7583	10580
45°	7487	11264	7487	10601
50°	7144	10715	7144	10643
55°	7108	9883	7108	10536
60°	6371	8809	6371	10495
65°	5433	7759	5433	10200
70°	4385	6576	4385	9451
75°	3799	5433	3799	8690
80°	3236	4045	3236	7011
85°	2149	2149	2149	4298

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 11618 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.4	1.0
10°-20°	188.2	2.9
20°-30°	285.9	4.3
30°-40°	335.6	5.1
40°-50°	340.6	5.2
50°-60°	298.3	4.5
60°-70°	211.6	3.2
70°-80°	108.9	1.7
80°-90°	29.5	0.4
90°-100°	128.5	2.0
100°-110°	374.8	5.7
110°-120°	611.6	9.3
120°-130°	776.1	11.8
130°-140°	830.4	12.6
140°-150°	775.4	11.8
150°-160°	638.1	9.7
160°-170°	427.9	6.5
170°-180°	151.9	2.3
0°-30°	541.4	8.2
0°-40°	877.0	13.3
0°-60°	1515.9	23.0
0°-90°	1866.0	28.4
90°-120°	1114.9	16.9
90°-150°	3496.8	53.1
90°-180°	4715.0	71.6
0°-180°	6580.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	749	749	749	749	749	
5°	737	772	737	615	737	70
15°	699	763	699	598	699	196
25°	606	705	606	592	606	277
35°	447	609	447	531	447	278
45°	328	493	328	464	328	251
55°	252	351	252	374	252	218
65°	142	203	142	267	142	142
75°	61	87	61	139	61	66
85°	12	12	12	23	12	15
90°	5	36	5	70	5	4
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°	748.7	748.7	748.7	748.7	748.7	748.7	748.7	748.7	748.7	748.7	748.7
2.5°	744.0	749.2	754.4	755.6	755.6	755.6	755.6	755.6	755.6	755.6	755.6
5°	737.1	746.1	755.1	759.3	761.9	763.8	765.1	766.7	769.3	771.9	769.3
7.5°	730.1	742.2	754.4	760.3	764.2	767.3	769.6	771.6	772.9	774.2	772.9
10°	725.5	739.7	753.8	760.3	764.2	766.7	768.0	769.3	770.6	771.9	770.6
12.5°	718.5	733.7	748.9	756.4	761.3	764.4	765.7	767.0	768.3	769.6	768.3
15°	699.3	720.0	740.6	748.7	752.5	755.8	758.4	760.6	761.9	763.2	761.9
17.5°	675.6	700.6	725.6	735.7	740.9	744.6	746.9	748.9	750.0	751.0	750.0
20°	661.6	688.7	715.8	726.4	731.6	734.8	736.1	737.1	737.1	737.1	737.1
22.5°	643.1	673.2	703.4	714.8	720.0	722.7	723.0	723.4	724.4	725.5	724.4
25°	606.5	641.3	676.1	690.6	698.4	701.6	700.3	700.0	702.6	705.2	702.6
27.5°	561.8	605.7	649.5	664.3	669.5	672.7	674.0	675.0	675.0	675.0	675.0
30°	533.9	583.0	632.0	648.1	653.2	656.5	657.8	658.7	658.7	658.7	658.7
32.5°	499.1	557.4	615.7	633.4	637.5	639.7	640.0	640.2	640.2	640.2	640.2
35°	446.9	517.8	588.8	608.4	611.0	612.3	612.3	612.0	610.7	609.4	610.7
37.5°	394.7	475.1	555.6	578.6	582.5	583.5	581.7	580.0	578.8	577.5	578.8
40°	359.8	447.5	535.2	560.1	563.9	563.9	560.1	556.8	555.5	554.3	555.5
42.5°	341.3	427.9	514.6	539.2	543.0	542.5	537.6	533.6	532.3	531.0	532.3
45°	327.9	405.3	482.7	504.9	508.8	508.1	503.0	498.5	495.9	493.3	495.9
47.5°	307.6	375.7	443.8	465.7	472.1	471.5	463.7	457.3	454.7	452.1	454.7
50°	284.4	351.4	418.5	440.1	446.6	445.9	438.2	431.7	429.2	426.6	429.2
52.5°	268.1	331.1	394.0	413.8	419.2	417.5	408.8	401.6	399.0	396.4	399.0
55°	252.5	305.3	358.2	374.3	378.2	375.6	366.6	358.9	355.0	351.1	355.0
57.5°	215.9	266.2	316.5	332.2	336.3	333.2	322.9	314.0	309.7	305.3	309.7
60°	197.3	242.5	287.6	302.8	307.9	305.3	295.0	285.7	279.2	272.8	279.2
62.5°	176.4	216.4	256.4	271.8	279.0	277.5	267.2	257.8	251.4	244.9	251.4
65°	142.2	177.0	211.8	227.3	236.3	235.7	225.4	216.0	209.6	203.1	209.6
67.5°	111.4	141.4	171.3	186.5	196.8	196.3	184.9	175.1	170.0	164.8	170.0
70°	92.9	118.7	144.4	158.6	169.0	169.0	158.6	149.6	144.4	139.3	144.4
72.5°	81.3	100.9	120.5	133.9	145.2	145.2	133.9	124.3	120.2	116.1	120.2
75°	60.9	72.5	84.2	96.7	109.6	110.9	100.6	92.2	89.6	87.1	89.6
77.5°	44.1	49.5	54.9	64.8	76.2	77.4	68.7	61.8	60.8	59.8	60.8
80°	34.8	36.1	37.4	45.5	55.8	57.1	49.3	43.5	43.5	43.5	43.5
82.5°	23.2	24.5	25.8	31.5	38.8	39.5	33.9	29.3	28.3	27.3	28.3
85°	11.6	11.6	11.6	13.5	16.1	16.1	13.5	11.6	11.6	11.6	11.6
87.5°	3.3	4.6	6.2	8.3	10.3	10.7	9.6	9.2	9.5	9.5	9.5
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°	748.7	748.7	748.7	748.7	748.7	748.7	748.7	748.7	748.7	748.7	748.7
2.5°	755.6	755.6	755.6	755.6	755.6	754.4	749.2	744.0	744.0	744.0	740.2
5°	766.7	765.1	763.8	761.9	759.3	755.1	746.1	737.1	733.2	729.3	712.9
7.5°	771.6	769.6	767.3	764.2	760.3	754.4	742.2	730.1	712.8	695.5	658.9
10°	769.3	768.0	766.7	764.2	760.3	753.8	739.7	725.5	690.6	655.8	621.0
12.5°	767.0	765.7	764.4	761.3	756.4	748.9	733.7	718.5	669.2	620.0	588.5
15°	760.6	758.4	755.8	752.5	748.7	740.6	720.0	699.3	643.9	588.4	562.0
17.5°	748.9	746.9	744.6	740.9	735.7	725.6	700.6	675.6	617.5	559.5	542.5
20°	737.1	736.1	734.8	731.6	726.4	715.8	688.7	661.6	603.6	545.5	537.8
22.5°	723.4	723.0	722.7	720.0	714.8	703.4	673.2	643.1	586.0	529.0	529.3
25°	700.0	700.3	701.6	698.4	690.6	676.1	641.3	606.5	556.2	505.9	514.6
27.5°	675.0	674.0	672.7	669.5	664.3	649.5	605.7	561.8	522.1	482.4	496.8
30°	658.7	657.8	656.5	653.2	648.1	632.0	583.0	533.9	500.4	466.9	483.6
32.5°	640.2	640.0	639.7	637.5	633.4	615.7	557.4	499.1	474.9	450.6	468.2
35°	612.0	612.3	612.3	611.0	608.4	588.8	517.8	446.9	436.6	426.3	446.9
37.5°	580.0	581.7	583.5	582.5	578.6	555.6	475.1	394.7	398.0	401.4	426.4
40°	556.8	560.1	563.9	563.9	560.1	535.2	447.5	359.8	371.4	383.0	410.1
42.5°	533.6	537.6	542.5	543.0	539.2	514.6	427.9	341.3	353.9	366.5	394.7
45°	498.5	503.0	508.1	508.8	504.9	482.7	405.3	327.9	335.6	343.4	370.5
47.5°	457.3	463.7	471.5	472.1	465.7	443.8	375.7	307.6	313.3	318.9	346.7
50°	431.7	438.2	445.9	446.6	440.1	418.5	351.4	284.4	292.1	299.9	328.9
52.5°	401.6	408.8	417.5	419.2	413.8	394.0	331.1	268.1	272.8	277.4	308.8
55°	358.9	366.6	375.6	378.2	374.3	358.2	305.3	252.5	248.6	244.7	276.6
57.5°	314.0	322.9	333.2	336.3	332.2	316.5	266.2	215.9	212.5	209.2	243.8
60°	285.7	295.0	305.3	307.9	302.8	287.6	242.5	197.3	190.9	184.4	220.5
62.5°	257.8	267.2	277.5	279.0	271.8	256.4	216.4	176.4	172.0	167.7	202.7
65°	216.0	225.4	235.7	236.3	227.3	211.8	177.0	142.2	144.8	147.4	178.9
67.5°	175.1	184.9	196.3	196.8	186.5	171.3	141.4	111.4	119.9	128.5	156.9
70°	149.6	158.6	169.0	169.0	158.6	144.4	118.7	92.9	104.5	116.1	142.2
72.5°	124.3	133.9	145.2	145.2	133.9	120.5	100.9	81.3	92.9	104.5	125.9
75°	92.2	100.6	110.9	109.6	96.7	84.2	72.5	60.9	72.5	84.2	100.6
77.5°	61.8	68.7	77.4	76.2	64.8	54.9	49.5	44.1	53.7	63.2	74.7
80°	43.5	49.3	57.1	55.8	45.5	37.4	36.1	34.8	41.3	47.7	56.1
82.5°	29.3	33.9	39.5	38.8	31.5	25.8	24.5	23.2	28.6	34.0	39.9
85°	11.6	13.5	16.1	16.1	13.5	11.6	11.6	11.6	14.2	16.8	19.3
87.5°	9.2	9.6	10.7	10.3	8.3	6.2	4.6	3.3	5.6	8.0	10.5
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: P1435838

CATALOG NUMBER: SQ2W-FA-K-125U-050D-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: P1435838

CATALOG NUMBER: SQ2W-FA-K-125U-050D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	748.7	748.7	748.7	748.7	748.7	748.7	748.7	748.7	748.7	748.7	748.7
2.5°	735.0	730.9	727.8	725.2	724.2	723.1	724.2	725.2	727.8	730.9	735.0
5°	692.3	670.3	647.1	628.1	621.6	615.2	621.6	628.1	647.1	670.3	692.3
7.5°	615.8	589.4	579.6	571.7	569.7	567.6	569.7	571.7	579.6	589.4	615.8
10°	586.2	564.9	557.2	551.4	551.4	551.4	551.4	551.4	557.2	564.9	586.2
12.5°	563.0	549.9	549.4	550.3	555.5	560.6	555.5	550.3	549.4	549.9	563.0
15°	545.2	547.2	567.8	584.9	591.3	597.8	591.3	584.9	567.8	547.2	545.2
17.5°	539.1	550.2	575.7	596.2	601.3	606.5	601.3	596.2	575.7	550.2	539.1
20°	546.8	561.0	580.4	596.2	601.3	606.5	601.3	596.2	580.4	561.0	546.8
22.5°	548.6	565.9	581.1	593.8	599.0	604.2	599.0	593.8	581.1	565.9	548.6
25°	543.0	563.6	576.5	586.8	589.4	592.0	589.4	586.8	576.5	563.6	543.0
27.5°	529.3	552.0	564.9	575.0	576.8	578.6	576.8	575.0	564.9	552.0	529.3
30°	517.2	540.4	553.3	563.9	567.8	571.7	567.8	563.9	553.3	540.4	517.2
32.5°	499.6	523.4	539.4	551.5	552.3	553.1	552.3	551.5	539.4	523.4	499.6
35°	477.8	502.3	520.4	533.6	532.3	531.0	532.3	533.6	520.4	502.3	477.8
37.5°	458.6	482.6	498.3	510.5	512.1	513.6	512.1	510.5	498.3	482.6	458.6
40°	442.4	466.9	483.6	496.9	499.4	502.0	499.4	496.9	483.6	466.9	442.4
42.5°	427.9	452.9	469.7	482.9	485.5	488.1	485.5	482.9	469.7	452.9	427.9
45°	404.0	429.8	447.9	461.7	463.0	464.3	463.0	461.7	447.9	429.8	404.0
47.5°	381.8	407.7	424.4	437.3	438.6	439.9	438.6	437.3	424.4	407.7	381.8
50°	365.0	391.4	408.2	421.1	422.4	423.7	422.4	421.1	408.2	391.4	365.0
52.5°	349.0	376.5	391.2	402.5	403.8	405.1	403.8	402.5	391.2	376.5	349.0
55°	320.5	349.5	363.7	374.3	374.3	374.3	374.3	374.3	363.7	349.5	320.5
57.5°	291.0	320.8	333.1	342.8	344.4	345.9	344.4	342.8	333.1	320.8	291.0
60°	270.8	301.1	311.5	319.8	322.4	325.0	322.4	319.8	311.5	301.1	270.8
62.5°	251.0	280.3	290.6	298.7	300.2	301.8	300.2	298.7	290.6	280.3	251.0
65°	220.2	246.0	256.3	264.4	265.7	267.0	265.7	264.4	256.3	246.0	220.2
67.5°	192.0	213.1	220.3	226.0	227.1	228.1	227.1	226.0	220.3	213.1	192.0
70°	173.1	191.2	196.4	200.2	200.2	200.2	200.2	200.2	196.4	191.2	173.1
72.5°	150.7	165.7	170.8	175.0	176.0	177.0	176.0	175.0	170.8	165.7	150.7
75°	118.7	129.6	133.5	136.7	138.0	139.3	138.0	136.7	133.5	129.6	118.7
77.5°	86.8	94.0	96.3	98.4	99.7	101.0	99.7	98.4	96.3	94.0	86.8
80°	65.1	70.3	71.6	72.9	74.2	75.4	74.2	72.9	71.6	70.3	65.1
82.5°	45.8	49.4	50.7	51.7	52.0	52.2	52.0	51.7	50.7	49.4	45.8
85°	21.9	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	21.9
87.5°	12.1	14.4	16.7	18.0	19.3	18.7	19.3	18.0	16.7	14.4	12.1
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: P1435838

CATALOG NUMBER: SQ2W-FA-K-125U-050D-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: P1435838

CATALOG NUMBER: SQ2W-FA-K-125U-050D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	748.7	748.7	748.7	748.7
2.5°	740.2	744.0	744.0	744.0
5°	712.9	729.3	733.2	737.1
7.5°	658.9	695.5	712.8	730.1
10°	621.0	655.8	690.6	725.5
12.5°	588.5	620.0	669.2	718.5
15°	562.0	588.4	643.9	699.3
17.5°	542.5	559.5	617.5	675.6
20°	537.8	545.5	603.6	661.6
22.5°	529.3	529.0	586.0	643.1
25°	514.6	505.9	556.2	606.5
27.5°	496.8	482.4	522.1	561.8
30°	483.6	466.9	500.4	533.9
32.5°	468.2	450.6	474.9	499.1
35°	446.9	426.3	436.6	446.9
37.5°	426.4	401.4	398.0	394.7
40°	410.1	383.0	371.4	359.8
42.5°	394.7	366.5	353.9	341.3
45°	370.5	343.4	335.6	327.9
47.5°	346.7	318.9	313.3	307.6
50°	328.9	299.9	292.1	284.4
52.5°	308.8	277.4	272.8	268.1
55°	276.6	244.7	248.6	252.5
57.5°	243.8	209.2	212.5	215.9
60°	220.5	184.4	190.9	197.3
62.5°	202.7	167.7	172.0	176.4
65°	178.9	147.4	144.8	142.2
67.5°	156.9	128.5	119.9	111.4
70°	142.2	116.1	104.5	92.9
72.5°	125.9	104.5	92.9	81.3
75°	100.6	84.2	72.5	60.9
77.5°	74.7	63.2	53.7	44.1
80°	56.1	47.7	41.3	34.8
82.5°	39.9	34.0	28.6	23.2
85°	19.3	16.8	14.2	11.6
87.5°	10.5	8.0	5.6	3.3
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: P1435838

CATALOG NUMBER: SQ2W-FA-K-125U-050D-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: P1435838
 CATALOG NUMBER: SQ2W-FA-K-125U-050D-L930-UNV-STD-W-WM-4

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	12.59	13.28	13.71	14.40	15.95	13.79	14.48	14.91	15.60	17.15
	3H	13.66	14.28	14.79	15.41	16.98	15.02	15.64	16.15	16.76	18.33
	4H	14.01	14.60	15.15	15.72	17.29	15.40	15.99	16.54	17.11	18.68
	6H	14.16	14.70	15.31	15.83	17.41	15.55	16.09	16.70	17.22	18.80
	8H	14.19	14.71	15.34	15.85	17.42	15.57	16.09	16.72	17.23	18.80
	12H	14.18	14.67	15.34	15.81	17.40	15.55	16.04	16.70	17.17	18.77
4H	2H	13.43	14.02	14.58	15.15	16.72	14.35	14.94	15.50	16.06	17.63
	3H	14.81	15.30	15.96	16.45	18.03	15.80	16.29	16.95	17.44	19.02
	4H	15.25	15.71	16.41	16.85	18.45	16.26	16.72	17.42	17.86	19.46
	6H	15.47	15.86	16.64	17.02	18.62	16.48	16.86	17.64	18.03	19.62
	8H	15.53	15.89	16.69	17.04	18.65	16.52	16.88	17.68	18.04	19.65
	12H	15.52	15.85	16.70	17.01	18.63	16.50	16.83	17.68	17.99	19.61
8H	4H	15.62	15.99	16.79	17.14	18.75	16.45	16.81	17.61	17.96	19.57
	6H	15.97	16.27	17.15	17.46	19.07	16.75	17.05	17.93	18.25	19.85
	8H	16.08	16.34	17.27	17.52	19.15	16.85	17.11	18.03	18.28	19.91
	12H	16.11	16.34	17.30	17.51	19.17	16.85	17.08	18.04	18.25	19.91
12H	4H	15.62	15.95	16.80	17.11	18.73	16.41	16.73	17.58	17.90	19.51
	6H	16.04	16.30	17.22	17.47	19.10	16.77	17.03	17.96	18.20	19.83
	8H	16.17	16.40	17.36	17.57	19.23	16.88	17.10	18.07	18.28	19.94