

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: P1427780

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

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1427780  
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-125U-075D-L930-UNV-STD-W-WM-4  
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE  
DOWNLIGHT - FROSTED CONTINUOUS 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**

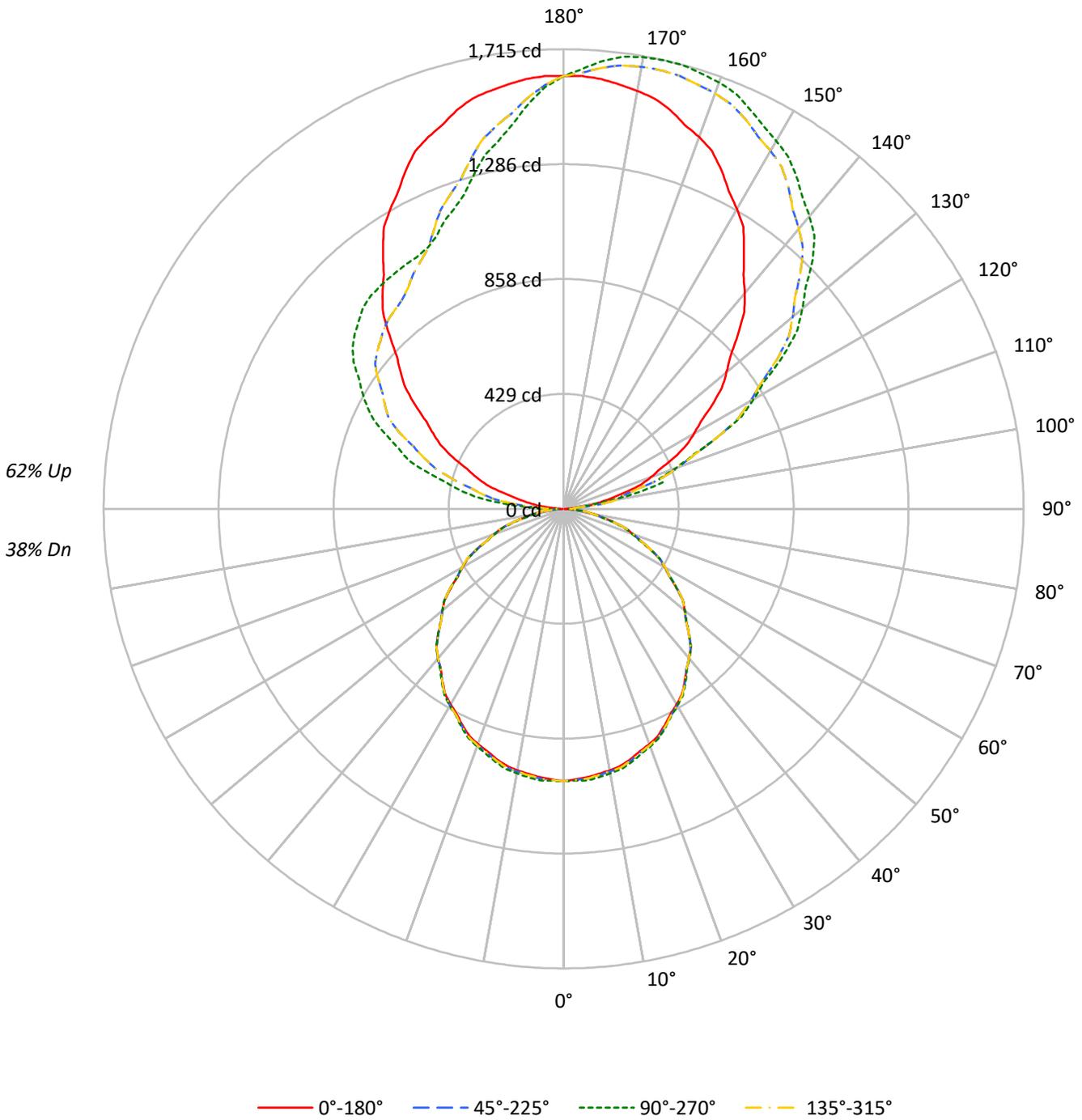
Lumens per Lamp: N/A  
Luminaire Lumens: 7580.2 lumens  
Efficiency: N/A  
Efficacy: 107.2 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.25 / 1.36  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

Input Watts (W): 70.7  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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-125U-075D-L930-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	95	95	95	95	77	77	77	60	60	60	45	45	45	38
1	95	91	87	83	86	82	79	76	67	65	62	53	51	50	39	39	38	32
2	86	79	73	68	78	72	67	62	58	55	51	46	43	41	35	33	31	26
3	79	69	62	56	71	63	57	52	51	47	43	41	37	35	30	28	27	22
4	72	61	53	47	65	56	49	44	45	40	37	36	32	30	27	25	23	19
5	66	54	46	40	59	50	43	37	41	35	31	32	28	25	24	22	20	16
6	60	49	41	35	55	44	37	32	36	31	27	29	25	22	22	19	17	14
7	56	44	36	30	50	40	33	28	33	28	24	26	22	20	20	17	15	13
8	52	40	32	27	47	36	30	25	30	25	21	24	20	17	18	16	14	11
9	48	36	29	24	44	33	27	22	27	22	19	22	18	16	17	14	12	10
10	45	33	26	21	41	30	24	20	25	20	17	20	17	14	16	13	11	9

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	16401	16401	16401	16401
5°	16301	16486	16301	16486
10°	16244	16431	16244	16431
15°	16153	16357	16153	16357
20°	16051	16211	16051	16211
25°	15878	16019	15878	16019
30°	15711	15817	15711	15817
35°	15510	15608	15510	15608
40°	15333	15380	15333	15380
45°	15109	15109	15109	15109
50°	14805	14842	14805	14842
55°	14457	14477	14457	14477
60°	14066	14066	14066	14066
65°	13608	13555	13608	13555
70°	12968	12831	12968	12831
75°	12096	11828	12096	11828
80°	10776	10246	10776	10246
85°	8614	7280	8614	7280

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 15212 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	96.1	1.3
10°-20°	274.6	3.6
20°-30°	413.4	5.5
30°-40°	494.3	6.5
40°-50°	510.5	6.7
50°-60°	460.4	6.1
60°-70°	352.7	4.7
70°-80°	203.8	2.7
80°-90°	59.6	0.8
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	5.6
170°-180°	151.9	2.0
0°-30°	784.1	10.3
0°-40°	1278.5	16.9
0°-60°	2249.4	29.7
0°-90°	2865.5	37.8
90°-120°	1114.9	14.7
90°-150°	3496.8	46.1
90°-180°	4715.0	62.2
0°-180°	7580.2	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1016	1016	1016	1016	1016	
5°	1006	1017	1006	1017	1006	95
15°	966	979	966	979	966	273
25°	891	899	891	899	891	411
35°	787	792	787	792	787	493
45°	662	662	662	662	662	510
55°	514	514	514	514	514	459
65°	356	355	356	355	356	352
75°	194	190	194	190	194	205
85°	46	39	46	39	46	54
90°	5	36	5	70	5	6
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°	1015.8	1015.8	1015.8	1015.8	1015.8	1015.8	1015.8	1015.8	1015.8	1015.8	1015.8
2.5°	1010.6	1015.5	1020.3	1018.3	1014.0	1012.3	1013.3	1014.2	1014.7	1015.2	1014.7
5°	1005.8	1012.1	1018.5	1016.3	1011.2	1009.0	1009.6	1010.9	1014.1	1017.2	1014.1
7.5°	997.6	1004.0	1010.3	1008.3	1003.5	1001.4	1002.2	1003.6	1006.9	1010.2	1006.9
10°	990.8	997.1	1003.5	1001.3	996.2	994.3	995.5	997.1	999.7	1002.2	999.7
12.5°	982.2	988.5	994.9	993.1	988.5	986.6	987.3	988.6	991.4	994.2	991.4
15°	966.4	972.8	979.2	977.4	973.0	971.2	972.2	973.5	976.1	978.6	976.1
17.5°	947.4	953.4	959.4	957.8	953.6	952.1	953.2	954.5	956.8	959.0	956.8
20°	934.2	940.0	945.7	944.0	939.9	938.0	938.3	939.1	941.3	943.5	941.3
22.5°	918.2	923.9	929.7	928.2	924.3	922.0	921.3	921.5	924.2	927.0	924.2
25°	891.3	897.1	902.8	901.6	898.1	895.9	894.9	894.7	897.0	899.2	897.0
27.5°	863.3	868.1	872.8	871.8	868.9	867.1	866.5	866.4	868.0	869.6	868.0
30°	842.7	847.5	852.2	851.0	847.9	845.9	845.3	845.2	846.8	848.4	846.8
32.5°	820.9	825.5	830.0	828.3	824.6	822.7	822.6	823.0	824.8	826.7	824.8
35°	786.9	790.7	794.5	792.8	789.4	787.8	788.1	788.7	790.3	791.9	790.3
37.5°	752.7	755.6	758.5	756.8	753.6	751.9	751.9	752.2	753.5	754.8	753.5
40°	727.5	730.7	733.9	732.0	728.5	726.6	726.3	726.5	728.1	729.7	728.1
42.5°	701.8	704.2	706.6	705.0	702.0	700.6	700.8	701.1	701.9	702.8	701.9
45°	661.7	663.9	666.2	664.6	661.7	660.3	660.3	660.4	661.1	661.7	661.1
47.5°	619.8	621.5	623.2	622.0	619.7	618.4	618.1	618.0	619.0	620.1	619.0
50°	589.4	591.7	593.9	592.8	590.6	589.1	588.5	588.3	589.6	590.9	589.6
52.5°	559.7	562.2	564.7	563.6	561.4	559.8	558.9	558.5	559.5	560.5	559.5
55°	513.6	516.5	519.3	518.6	516.7	515.1	513.9	513.1	513.7	514.3	513.7
57.5°	466.6	469.4	472.1	471.6	470.0	468.4	466.8	465.9	466.8	467.7	466.8
60°	435.6	438.2	440.7	439.9	438.0	436.4	435.2	434.4	435.0	435.6	435.0
62.5°	404.2	406.7	409.3	408.3	406.1	404.4	403.1	402.3	403.0	403.6	403.0
65°	356.2	358.5	360.7	359.8	357.9	356.3	355.1	354.2	354.5	354.8	354.5
67.5°	307.9	309.8	311.7	310.8	309.0	307.1	305.3	304.0	304.5	305.0	304.5
70°	274.7	276.6	278.5	277.8	276.2	274.6	273.0	271.8	271.8	271.8	271.8
72.5°	242.6	244.3	246.0	245.0	243.1	241.6	240.2	239.2	239.2	239.2	239.2
75°	193.9	194.8	195.8	195.3	194.3	193.1	191.5	190.2	189.9	189.6	189.9
77.5°	146.8	146.8	146.8	145.9	144.7	143.5	142.3	141.3	140.9	140.5	140.9
80°	115.9	115.9	115.9	115.2	114.2	113.3	112.3	111.4	110.8	110.2	110.8
82.5°	87.3	86.8	86.3	85.4	84.5	83.3	81.8	80.9	81.5	82.1	81.5
85°	46.5	45.9	45.2	44.4	43.4	42.3	41.0	40.0	39.7	39.3	39.7
87.5°	15.3	16.1	17.2	17.8	18.0	17.5	16.4	15.9	16.0	15.8	16.0
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

TEST NUMBER: P1427780

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

**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°	1015.8	1015.8	1015.8	1015.8	1015.8	1015.8	1015.8	1015.8	1015.8	1015.8	1015.8
2.5°	1014.2	1013.3	1012.3	1014.0	1018.3	1020.3	1015.5	1010.6	1015.5	1020.3	1018.3
5°	1010.9	1009.6	1009.0	1011.2	1016.3	1018.5	1012.1	1005.8	1012.1	1018.5	1016.3
7.5°	1003.6	1002.2	1001.4	1003.5	1008.3	1010.3	1004.0	997.6	1004.0	1010.3	1008.3
10°	997.1	995.5	994.3	996.2	1001.3	1003.5	997.1	990.8	997.1	1003.5	1001.3
12.5°	988.6	987.3	986.6	988.5	993.1	994.9	988.5	982.2	988.5	994.9	993.1
15°	973.5	972.2	971.2	973.0	977.4	979.2	972.8	966.4	972.8	979.2	977.4
17.5°	954.5	953.2	952.1	953.6	957.8	959.4	953.4	947.4	953.4	959.4	957.8
20°	939.1	938.3	938.0	939.9	944.0	945.7	940.0	934.2	940.0	945.7	944.0
22.5°	921.5	921.3	922.0	924.3	928.2	929.7	923.9	918.2	923.9	929.7	928.2
25°	894.7	894.9	895.9	898.1	901.6	902.8	897.1	891.3	897.1	902.8	901.6
27.5°	866.4	866.5	867.1	868.9	871.8	872.8	868.1	863.3	868.1	872.8	871.8
30°	845.2	845.3	845.9	847.9	851.0	852.2	847.5	842.7	847.5	852.2	851.0
32.5°	823.0	822.6	822.7	824.6	828.3	830.0	825.5	820.9	825.5	830.0	828.3
35°	788.7	788.1	787.8	789.4	792.8	794.5	790.7	786.9	790.7	794.5	792.8
37.5°	752.2	751.9	751.9	753.6	756.8	758.5	755.6	752.7	755.6	758.5	756.8
40°	726.5	726.3	726.6	728.5	732.0	733.9	730.7	727.5	730.7	733.9	732.0
42.5°	701.1	700.8	700.6	702.0	705.0	706.6	704.2	701.8	704.2	706.6	705.0
45°	660.4	660.3	660.3	661.7	664.6	666.2	663.9	661.7	663.9	666.2	664.6
47.5°	618.0	618.1	618.4	619.7	622.0	623.2	621.5	619.8	621.5	623.2	622.0
50°	588.3	588.5	589.1	590.6	592.8	593.9	591.7	589.4	591.7	593.9	592.8
52.5°	558.5	558.9	559.8	561.4	563.6	564.7	562.2	559.7	562.2	564.7	563.6
55°	513.1	513.9	515.1	516.7	518.6	519.3	516.5	513.6	516.5	519.3	518.6
57.5°	465.9	466.8	468.4	470.0	471.6	472.1	469.4	466.6	469.4	472.1	471.6
60°	434.4	435.2	436.4	438.0	439.9	440.7	438.2	435.6	438.2	440.7	439.9
62.5°	402.3	403.1	404.4	406.1	408.3	409.3	406.7	404.2	406.7	409.3	408.3
65°	354.2	355.1	356.3	357.9	359.8	360.7	358.5	356.2	358.5	360.7	359.8
67.5°	304.0	305.3	307.1	309.0	310.8	311.7	309.8	307.9	309.8	311.7	310.8
70°	271.8	273.0	274.6	276.2	277.8	278.5	276.6	274.7	276.6	278.5	277.8
72.5°	239.2	240.2	241.6	243.1	245.0	246.0	244.3	242.6	244.3	246.0	245.0
75°	190.2	191.5	193.1	194.3	195.3	195.8	194.8	193.9	194.8	195.8	195.3
77.5°	141.3	142.3	143.5	144.7	145.9	146.8	146.8	146.8	146.8	146.8	145.9
80°	111.4	112.3	113.3	114.2	115.2	115.9	115.9	115.9	115.9	115.9	115.2
82.5°	80.9	81.8	83.3	84.5	85.4	86.3	86.8	87.3	86.8	86.3	85.4
85°	40.0	41.0	42.3	43.4	44.4	45.2	45.9	46.5	45.9	45.2	44.4
87.5°	15.9	16.4	17.5	18.0	17.8	17.2	16.1	15.3	16.1	16.9	18.5
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: P1427780

CATALOG NUMBER: SQ2W-F-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: P1427780

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

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1015.8	1015.8	1015.8	1015.8	1015.8	1015.8	1015.8	1015.8	1015.8	1015.8	1015.8
2.5°	1014.0	1012.3	1013.3	1014.2	1014.7	1015.2	1014.7	1014.2	1013.3	1012.3	1014.0
5°	1011.2	1009.0	1009.6	1010.9	1014.1	1017.2	1014.1	1010.9	1009.6	1009.0	1011.2
7.5°	1003.5	1001.4	1002.2	1003.6	1006.9	1010.2	1006.9	1003.6	1002.2	1001.4	1003.5
10°	996.2	994.3	995.5	997.1	999.7	1002.2	999.7	997.1	995.5	994.3	996.2
12.5°	988.5	986.6	987.3	988.6	991.4	994.2	991.4	988.6	987.3	986.6	988.5
15°	973.0	971.2	972.2	973.5	976.1	978.6	976.1	973.5	972.2	971.2	973.0
17.5°	953.6	952.1	953.2	954.5	956.8	959.0	956.8	954.5	953.2	952.1	953.6
20°	939.9	938.0	938.3	939.1	941.3	943.5	941.3	939.1	938.3	938.0	939.9
22.5°	924.3	922.0	921.3	921.5	924.2	927.0	924.2	921.5	921.3	922.0	924.3
25°	898.1	895.9	894.9	894.7	897.0	899.2	897.0	894.7	894.9	895.9	898.1
27.5°	868.9	867.1	866.5	866.4	868.0	869.6	868.0	866.4	866.5	867.1	868.9
30°	847.9	845.9	845.3	845.2	846.8	848.4	846.8	845.2	845.3	845.9	847.9
32.5°	824.6	822.7	822.6	823.0	824.8	826.7	824.8	823.0	822.6	822.7	824.6
35°	789.4	787.8	788.1	788.7	790.3	791.9	790.3	788.7	788.1	787.8	789.4
37.5°	753.6	751.9	751.9	752.2	753.5	754.8	753.5	752.2	751.9	751.9	753.6
40°	728.5	726.6	726.3	726.5	728.1	729.7	728.1	726.5	726.3	726.6	728.5
42.5°	702.0	700.6	700.8	701.1	701.9	702.8	701.9	701.1	700.8	700.6	702.0
45°	661.7	660.3	660.3	660.4	661.1	661.7	661.1	660.4	660.3	660.3	661.7
47.5°	619.7	618.4	618.1	618.0	619.0	620.1	619.0	618.0	618.1	618.4	619.7
50°	590.6	589.1	588.5	588.3	589.6	590.9	589.6	588.3	588.5	589.1	590.6
52.5°	561.4	559.8	558.9	558.5	559.5	560.5	559.5	558.5	558.9	559.8	561.4
55°	516.7	515.1	513.9	513.1	513.7	514.3	513.7	513.1	513.9	515.1	516.7
57.5°	470.0	468.4	466.8	465.9	466.8	467.7	466.8	465.9	466.8	468.4	470.0
60°	438.0	436.4	435.2	434.4	435.0	435.6	435.0	434.4	435.2	436.4	438.0
62.5°	406.1	404.4	403.1	402.3	403.0	403.6	403.0	402.3	403.1	404.4	406.1
65°	357.9	356.3	355.1	354.2	354.5	354.8	354.5	354.2	355.1	356.3	357.9
67.5°	309.0	307.1	305.3	304.0	304.5	305.0	304.5	304.0	305.3	307.1	309.0
70°	276.2	274.6	273.0	271.8	271.8	271.8	271.8	271.8	273.0	274.6	276.2
72.5°	243.1	241.6	240.2	239.2	239.2	239.2	239.2	239.2	240.2	241.6	243.1
75°	194.3	193.1	191.5	190.2	189.9	189.6	189.9	190.2	191.5	193.1	194.3
77.5°	144.7	143.5	142.3	141.3	140.9	140.5	140.9	141.3	142.3	143.5	144.7
80°	114.2	113.3	112.3	111.4	110.8	110.2	110.8	111.4	112.3	113.3	114.2
82.5°	84.5	83.3	81.8	80.9	81.5	82.1	81.5	80.9	81.8	83.3	84.5
85°	43.4	42.3	41.0	40.0	39.7	39.3	39.7	40.0	41.0	42.3	43.4
87.5°	19.3	20.7	22.0	22.5	23.5	22.6	23.5	22.5	22.0	20.7	19.3
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: P1427780

CATALOG NUMBER: SQ2W-F-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: P1427780

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

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	1015.8	1015.8	1015.8	1015.8
2.5°	1018.3	1020.3	1015.5	1010.6
5°	1016.3	1018.5	1012.1	1005.8
7.5°	1008.3	1010.3	1004.0	997.6
10°	1001.3	1003.5	997.1	990.8
12.5°	993.1	994.9	988.5	982.2
15°	977.4	979.2	972.8	966.4
17.5°	957.8	959.4	953.4	947.4
20°	944.0	945.7	940.0	934.2
22.5°	928.2	929.7	923.9	918.2
25°	901.6	902.8	897.1	891.3
27.5°	871.8	872.8	868.1	863.3
30°	851.0	852.2	847.5	842.7
32.5°	828.3	830.0	825.5	820.9
35°	792.8	794.5	790.7	786.9
37.5°	756.8	758.5	755.6	752.7
40°	732.0	733.9	730.7	727.5
42.5°	705.0	706.6	704.2	701.8
45°	664.6	666.2	663.9	661.7
47.5°	622.0	623.2	621.5	619.8
50°	592.8	593.9	591.7	589.4
52.5°	563.6	564.7	562.2	559.7
55°	518.6	519.3	516.5	513.6
57.5°	471.6	472.1	469.4	466.6
60°	439.9	440.7	438.2	435.6
62.5°	408.3	409.3	406.7	404.2
65°	359.8	360.7	358.5	356.2
67.5°	310.8	311.7	309.8	307.9
70°	277.8	278.5	276.6	274.7
72.5°	245.0	246.0	244.3	242.6
75°	195.3	195.8	194.8	193.9
77.5°	145.9	146.8	146.8	146.8
80°	115.2	115.9	115.9	115.9
82.5°	85.4	86.3	86.8	87.3
85°	44.4	45.2	45.9	46.5
87.5°	18.5	16.9	16.1	15.3
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: P1427780

CATALOG NUMBER: SQ2W-F-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: P1427780  
 CATALOG NUMBER: SQ2W-F-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	16.34	17.11	17.39	18.16	19.60	16.25	17.02	17.31	18.08	19.52
	3H	18.12	18.81	19.18	19.88	21.33	18.02	18.71	19.08	19.77	21.23
	4H	18.81	19.47	19.89	20.54	21.99	18.70	19.35	19.77	20.42	21.88
	6H	19.24	19.85	20.33	20.92	22.39	19.10	19.71	20.19	20.78	22.25
	8H	19.40	19.98	20.49	21.06	22.53	19.25	19.82	20.33	20.91	22.37
	12H	19.48	20.03	20.58	21.11	22.60	19.31	19.85	20.40	20.93	22.42
4H	2H	16.91	17.56	17.99	18.63	20.09	16.84	17.49	17.92	18.56	20.02
	3H	18.92	19.47	20.01	20.56	22.03	18.83	19.37	19.91	20.47	21.94
	4H	19.73	20.23	20.82	21.32	22.81	19.62	20.12	20.71	21.21	22.70
	6H	20.28	20.71	21.38	21.82	23.30	20.14	20.57	21.24	21.68	23.16
	8H	20.49	20.89	21.59	21.99	23.50	20.33	20.73	21.43	21.83	23.34
	12H	20.60	20.96	21.72	22.08	23.59	20.41	20.78	21.53	21.89	23.40
8H	4H	19.97	20.37	21.07	21.47	22.97	19.87	20.27	20.97	21.37	22.88
	6H	20.65	20.98	21.77	22.13	23.63	20.52	20.85	21.64	22.00	23.50
	8H	20.96	21.25	22.09	22.37	23.89	20.80	21.09	21.93	22.22	23.74
	12H	21.13	21.39	22.27	22.51	24.07	20.94	21.20	22.08	22.32	23.88
12H	4H	19.96	20.32	21.07	21.44	22.94	19.86	20.23	20.98	21.34	22.85
	6H	20.70	20.99	21.83	22.12	23.64	20.57	20.87	21.70	21.99	23.51
	8H	21.03	21.29	22.16	22.41	23.96	20.88	21.14	22.01	22.26	23.81