

Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



Scaled data based on original data using  
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1427511

Luminaire Tested: SQ2W-BBM-K-050U-075D-L935-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1427511  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G3-2104-222-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/10/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ2W-BBM-K-050U-075D-L935-UNV-STD-W-WM-4  
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE  
DOWNLIGHT - BLACK DISCREET BAFFLE, MEDIUM 80-DEGREE OPTIC  
UPLIGHT - ASYMMETRIC ROLL LENS  
DOWNLIGHT 750 LUMENS PER FOOT  
UPLIGHT 500 LUMENS PER FOOT  
Light Source: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

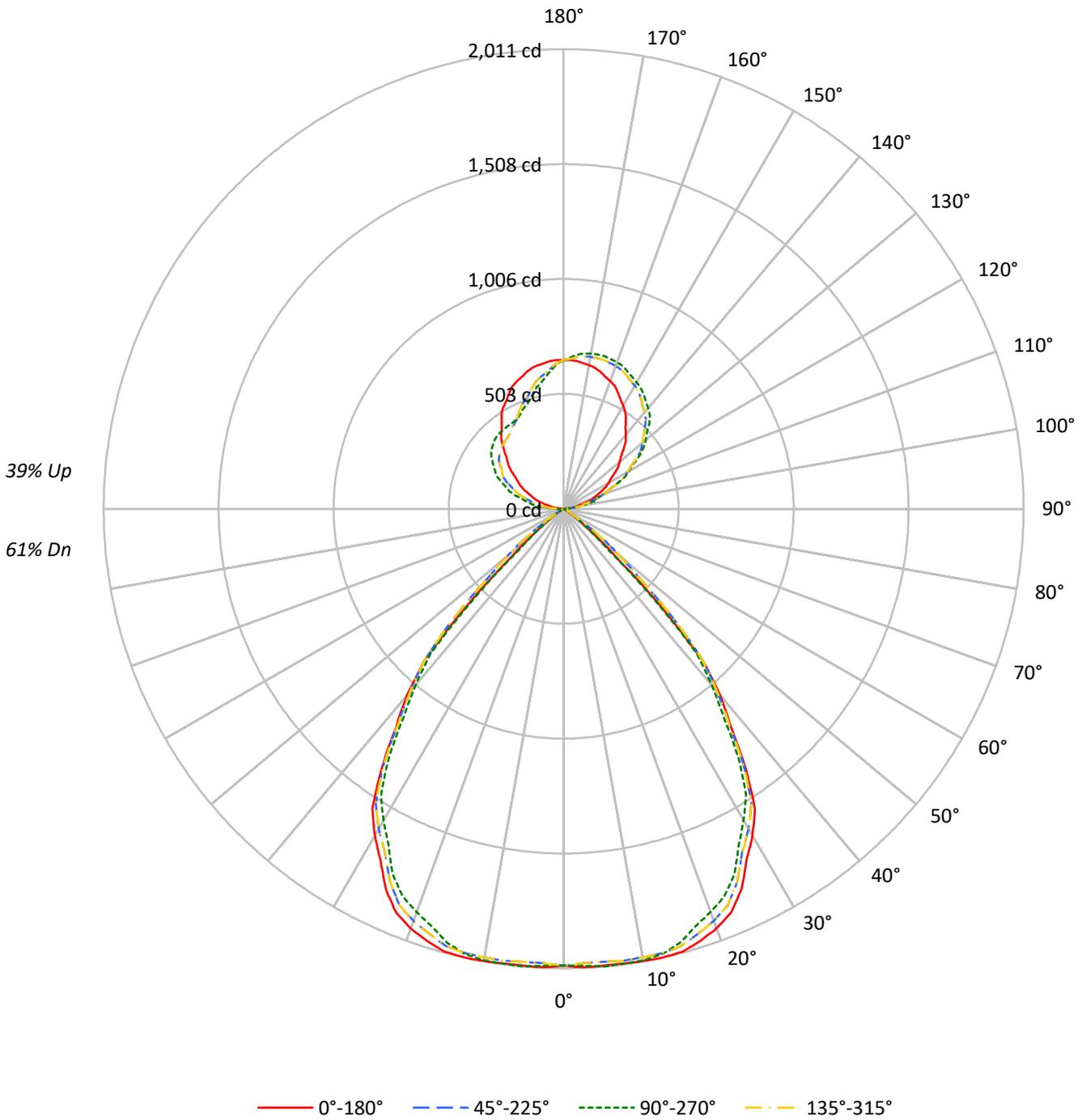
Lumens per Lamp: N/A  
Luminaire Lumens: 4891.4 lumens  
Efficiency: N/A  
Efficacy: 115.1 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.17 / 1.16  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: Semi-Direct

Input Watts (W): 42.5  
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

TEST NUMBER: P1427511

CATALOG NUMBER: SQ2W-BBM-K-050U-075D-L935-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	110	110	110	110	103	103	103	103	90	90	90	77	77	77	66	66	66	61
1	103	99	96	93	96	93	91	88	82	80	78	72	71	69	62	61	61	56
2	96	90	85	81	90	85	80	77	75	72	69	66	64	62	58	57	55	51
3	89	81	75	70	84	77	72	67	69	65	61	61	58	56	54	52	50	47
4	83	74	67	62	78	70	64	60	63	58	55	56	53	50	50	48	45	42
5	77	67	60	55	73	64	58	53	58	53	49	52	48	45	46	44	41	39
6	72	61	54	49	68	59	52	48	53	48	44	48	44	41	43	40	38	35
7	67	56	49	45	63	54	48	43	49	44	40	44	40	37	40	37	35	32
8	63	52	45	40	59	50	43	39	45	40	37	41	37	34	37	34	32	30
9	59	48	41	37	56	46	40	36	42	37	34	38	34	31	35	32	29	27
10	55	44	38	34	52	43	37	33	39	34	31	36	32	29	33	29	27	25

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

	0°	90°	180°	270°
0°	32275	32275	32275	32275
5°	32528	32577	32528	32577
10°	32937	32888	32937	32888
15°	33530	32862	33530	32862
20°	33573	32267	33573	32267
25°	32743	31461	32743	31461
30°	30780	29345	30780	29345
35°	27318	26293	27318	26293
40°	22404	21203	22404	21203
45°	13357	12535	13357	12535
50°	4170	3944	4170	3944
55°	1576	1576	1576	1576
60°	97	32	97	32
65°	0	0	0	0
70°	0	0	0	0
75°	0	0	0	0
80°	0	0	0	0
85°	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 40°  
 Vertical Angle: 45°  
 Luminance: 15638 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	191.1	3.9
10°-20°	559.9	11.4
20°-30°	823.7	16.8
30°-40°	841.9	17.2
40°-50°	485.0	9.9
50°-60°	83.5	1.7
60°-70°	3.0	0.1
70°-80°	0.0	0.0
80°-90°	3.5	0.1
90°-100°	51.8	1.1
100°-110°	151.1	3.1
110°-120°	246.5	5.0
120°-130°	312.9	6.4
130°-140°	334.8	6.8
140°-150°	312.6	6.4
150°-160°	257.2	5.3
160°-170°	172.5	3.5
170°-180°	61.3	1.3
0°-30°	1574.7	32.2
0°-40°	2416.6	49.4
0°-60°	2985.0	61.0
0°-90°	2991.5	61.2
90°-120°	449.4	9.2
90°-150°	1409.7	28.8
90°-180°	1901.0	38.9
0°-180°	4891.4	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1999	1999	1999	1999	1999	
5°	2007	2010	2007	2010	2007	192
15°	2006	1966	2006	1966	2006	565
25°	1838	1766	1838	1766	1838	839
35°	1386	1334	1386	1334	1386	856
45°	585	549	585	549	585	453
55°	56	56	56	56	56	59
65°	0	0	0	0	0	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	2	14	2	28	2	2
95°	20	15	20	89	20	25
105°	96	154	96	212	96	102
115°	184	255	184	314	184	181
125°	272	404	272	385	272	244
135°	370	529	370	427	370	286
145°	473	610	473	436	473	296
155°	562	663	562	452	562	258
165°	621	691	621	521	621	175
175°	649	677	649	611	649	62
180°	651	651	651	651	651	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1999.0	1999.0	1999.0	1999.0	1999.0	1999.0	1999.0	1999.0	1999.0	1999.0	1999.0
2.5°	2007.8	2005.3	2002.8	1996.9	1989.8	1990.3	1998.5	2004.2	2002.4	2000.6	2002.4
5°	2007.0	2004.8	2002.6	1996.3	1988.8	1991.0	2003.0	2011.8	2010.9	2010.0	2010.9
7.5°	2005.8	2004.3	2002.8	1998.4	1993.1	1995.3	2005.2	2012.0	2009.8	2007.6	2009.8
10°	2009.0	2008.6	2008.1	2001.3	1992.4	1993.1	2003.3	2010.4	2008.2	2006.0	2008.2
12.5°	2010.6	2013.4	2016.1	2006.4	1992.5	1989.6	1997.7	2002.8	1998.8	1994.8	1998.8
15°	2006.0	2013.6	2021.1	2007.3	1986.4	1976.7	1978.0	1977.6	1971.8	1966.0	1971.8
17.5°	1983.6	1994.3	2004.9	1986.7	1958.9	1942.6	1937.7	1932.0	1923.8	1915.6	1923.8
20°	1954.0	1966.4	1978.9	1959.0	1928.3	1908.8	1900.3	1892.2	1885.1	1878.0	1885.1
22.5°	1912.4	1923.8	1935.2	1916.1	1886.8	1866.9	1856.3	1847.0	1841.3	1835.6	1841.3
25°	1838.0	1845.6	1853.1	1833.7	1805.2	1787.0	1779.0	1772.2	1769.1	1766.0	1769.1
27.5°	1732.6	1734.7	1736.9	1721.4	1700.1	1684.4	1674.5	1666.0	1662.0	1658.0	1662.0
30°	1651.0	1651.0	1651.0	1639.0	1623.0	1609.7	1599.0	1589.1	1581.6	1574.0	1581.6
32.5°	1555.8	1554.7	1553.7	1544.9	1533.5	1521.9	1510.2	1499.5	1492.0	1484.4	1492.0
35°	1386.0	1390.9	1395.8	1389.7	1379.9	1369.2	1357.7	1347.3	1340.7	1334.0	1340.7
37.5°	1202.2	1204.1	1205.9	1200.9	1193.5	1183.6	1171.1	1160.4	1154.8	1149.2	1154.8
40°	1063.0	1063.4	1063.9	1057.7	1049.2	1040.6	1031.7	1022.9	1014.4	1006.0	1014.4
42.5°	900.6	909.6	918.6	914.7	906.6	895.5	881.3	869.7	866.3	862.8	866.3
45°	585.0	624.6	664.1	678.7	684.9	680.0	664.0	640.6	594.8	549.0	594.8
47.5°	294.0	343.2	392.5	426.6	455.7	447.4	401.8	355.5	307.0	258.6	307.0
50°	166.0	195.3	224.7	270.3	321.4	313.0	245.0	189.9	173.4	157.0	173.4
52.5°	110.8	123.8	136.8	173.5	218.2	215.3	164.7	124.5	115.1	105.8	115.1
55°	56.0	59.6	63.1	79.3	99.8	99.3	78.0	61.3	58.7	56.0	58.7
57.5°	19.0	23.8	28.6	35.8	43.8	44.0	36.5	29.7	25.4	21.0	25.4
60°	3.0	7.4	11.9	17.7	23.9	23.2	15.7	9.0	5.0	1.0	5.0
62.5°	0.6	1.8	3.1	7.8	13.7	13.5	7.4	2.5	1.4	0.2	1.4
65°	0.0	0.0	0.0	0.3	0.8	0.8	0.3	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.4	0.9	1.6	2.1	2.5	2.6	2.6	2.8	2.9	2.9	2.9
90°	2.0	4.6	7.9	10.5	12.5	13.2	13.2	13.8	14.5	14.5	14.5
92.5°	7.2	11.4	11.6	11.6	14.1	15.3	16.3	16.4	17.1	17.1	17.1
95°	20.4	22.4	33.5	32.9	22.4	17.8	15.1	15.1	15.1	15.1	15.1
97.5°	38.9	41.8	43.7	58.5	61.8	59.7	48.7	40.9	36.6	34.6	36.6
100°	55.2	56.5	60.5	61.1	77.6	93.4	85.5	75.6	72.3	70.4	72.3
102.5°	71.5	72.3	78.4	81.1	85.0	93.9	121.2	118.2	116.0	115.6	116.0
105°	96.0	96.7	107.8	113.1	115.7	115.7	115.1	128.2	149.3	153.9	149.3
107.5°	122.2	125.2	138.3	152.4	155.4	156.2	152.8	150.8	150.0	150.6	150.0
110°	140.1	144.7	160.4	178.2	182.8	184.1	182.8	180.8	179.5	179.5	179.5



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	157.4	164.1	182.0	202.4	210.1	214.1	211.2	209.8	208.4	209.5	208.4
115°	184.1	194.0	217.6	238.7	254.5	256.4	255.8	255.8	255.1	255.1	255.1
117.5°	208.8	224.6	251.2	275.6	293.9	299.2	301.8	301.0	300.2	301.5	300.2
120°	226.2	244.6	274.8	302.5	320.2	328.1	330.7	329.4	330.7	329.4	330.7
122.5°	244.6	267.2	296.9	325.6	346.5	355.5	358.6	358.9	359.1	358.4	359.1
125°	272.2	299.8	334.7	364.3	386.0	396.5	399.1	399.8	401.1	404.4	401.1
127.5°	300.1	331.4	369.7	398.2	420.4	433.2	437.3	438.7	441.5	442.9	441.5
130°	319.6	355.1	393.9	420.8	442.5	456.3	463.6	465.5	468.8	468.2	468.8
132.5°	340.1	377.2	416.5	444.5	464.6	479.5	485.6	491.3	492.5	493.4	492.5
135°	370.2	410.3	449.7	477.4	496.4	510.9	518.8	524.0	527.3	529.3	527.3
137.5°	401.9	444.2	482.1	506.7	525.9	538.4	547.3	552.8	556.3	557.8	556.3
140°	423.4	464.2	501.0	526.7	543.8	556.3	564.2	570.7	574.7	574.7	574.7
142.5°	444.0	484.2	520.0	545.6	560.6	572.0	580.5	585.5	589.9	589.9	589.9
145°	472.8	512.9	545.7	571.4	583.9	594.4	603.6	607.6	610.2	610.2	610.2
147.5°	502.9	538.4	568.4	593.0	603.5	615.8	623.1	626.2	629.5	628.1	629.5
150°	520.8	553.6	582.6	605.6	616.1	627.9	635.2	637.8	641.1	639.1	641.1
152.5°	538.1	569.4	595.7	617.2	626.1	637.9	646.2	648.8	651.1	649.6	651.1
155°	561.5	589.1	613.5	633.2	641.1	652.3	660.2	663.4	666.1	662.8	666.1
157.5°	582.4	606.2	627.4	645.6	654.0	663.6	670.9	675.0	677.6	676.2	677.6
160°	595.1	616.8	635.8	652.9	660.8	669.4	677.3	681.9	684.5	682.5	684.5
162.5°	605.6	625.2	643.2	658.7	665.5	673.0	682.5	686.6	689.2	686.7	689.2
165°	620.7	636.5	652.3	665.4	671.3	677.3	687.1	691.7	693.7	691.1	693.7
167.5°	632.1	644.2	657.0	668.3	672.6	678.4	688.3	692.1	694.6	691.3	694.6
170°	638.5	649.0	660.2	669.4	672.6	677.9	687.8	691.1	693.0	689.7	693.0
172.5°	643.7	651.6	660.7	668.8	670.5	674.8	684.1	687.4	688.8	686.1	688.8
175°	649.0	653.6	660.2	665.4	664.8	667.4	675.3	677.9	680.5	676.6	680.5
177.5°	651.5	653.6	655.7	658.8	656.7	656.7	662.5	664.1	664.6	662.5	664.6
180°	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9



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**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1999.0	1999.0	1999.0	1999.0	1999.0	1999.0	1999.0	1999.0	1999.0	1999.0	1999.0
2.5°	2004.2	1998.5	1990.3	1989.8	1996.9	2002.8	2005.3	2007.8	2005.3	2002.8	1996.9
5°	2011.8	2003.0	1991.0	1988.8	1996.3	2002.6	2004.8	2007.0	2004.8	2002.6	1996.3
7.5°	2012.0	2005.2	1995.3	1993.1	1998.4	2002.8	2004.3	2005.8	2004.3	2002.8	1998.4
10°	2010.4	2003.3	1993.1	1992.4	2001.3	2008.1	2008.6	2009.0	2008.6	2008.1	2001.3
12.5°	2002.8	1997.7	1989.6	1992.5	2006.4	2016.1	2013.4	2010.6	2013.4	2016.1	2006.4
15°	1977.6	1978.0	1976.7	1986.4	2007.3	2021.1	2013.6	2006.0	2013.6	2021.1	2007.3
17.5°	1932.0	1937.7	1942.6	1958.9	1986.7	2004.9	1994.3	1983.6	1994.3	2004.9	1986.7
20°	1892.2	1900.3	1908.8	1928.3	1959.0	1978.9	1966.4	1954.0	1966.4	1978.9	1959.0
22.5°	1847.0	1856.3	1866.9	1886.8	1916.1	1935.2	1923.8	1912.4	1923.8	1935.2	1916.1
25°	1772.2	1779.0	1787.0	1805.2	1833.7	1853.1	1845.6	1838.0	1845.6	1853.1	1833.7
27.5°	1666.0	1674.5	1684.4	1700.1	1721.4	1736.9	1734.7	1732.6	1734.7	1736.9	1721.4
30°	1589.1	1599.0	1609.7	1623.0	1639.0	1651.0	1651.0	1651.0	1651.0	1651.0	1639.0
32.5°	1499.5	1510.2	1521.9	1533.5	1544.9	1553.7	1554.7	1555.8	1554.7	1553.7	1544.9
35°	1347.3	1357.7	1369.2	1379.9	1389.7	1395.8	1390.9	1386.0	1390.9	1395.8	1389.7
37.5°	1160.4	1171.1	1183.6	1193.5	1200.9	1205.9	1204.1	1202.2	1204.1	1205.9	1200.9
40°	1022.9	1031.7	1040.6	1049.2	1057.7	1063.9	1063.4	1063.0	1063.4	1063.9	1057.7
42.5°	869.7	881.3	895.5	906.6	914.7	918.6	909.6	900.6	909.6	918.6	914.7
45°	640.6	664.0	680.0	684.9	678.7	664.1	624.6	585.0	624.6	664.1	678.7
47.5°	355.5	401.8	447.4	455.7	426.6	392.5	343.2	294.0	343.2	392.5	426.6
50°	189.9	245.0	313.0	321.4	270.3	224.7	195.3	166.0	195.3	224.7	270.3
52.5°	124.5	164.7	215.3	218.2	173.5	136.8	123.8	110.8	123.8	136.8	173.5
55°	61.3	78.0	99.3	99.8	79.3	63.1	59.6	56.0	59.6	63.1	79.3
57.5°	29.7	36.5	44.0	43.8	35.8	28.6	23.8	19.0	23.8	28.6	35.8
60°	9.0	15.7	23.2	23.9	17.7	11.9	7.4	3.0	7.4	11.9	17.7
62.5°	2.5	7.4	13.5	13.7	7.8	3.1	1.8	0.6	1.8	3.1	7.8
65°	0.0	0.3	0.8	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.3
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.8	2.6	2.6	2.5	2.1	1.6	0.9	0.4	0.9	1.4	2.4
90°	13.8	13.2	13.2	12.5	10.5	7.9	4.6	2.0	4.6	7.2	11.8
92.5°	16.4	16.3	15.3	14.1	11.6	11.6	11.4	7.2	12.5	17.8	25.5
95°	15.1	15.1	17.8	22.4	32.9	33.5	22.4	20.4	28.9	40.8	51.3
97.5°	40.9	48.7	59.7	61.8	58.5	43.7	41.8	38.9	53.0	64.7	81.7
100°	75.6	85.5	93.4	77.6	61.1	60.5	56.5	55.2	70.4	81.5	98.0
102.5°	118.2	121.2	93.9	85.0	81.1	78.4	72.3	71.5	86.7	102.0	115.9
105°	128.2	115.1	115.7	115.7	113.1	107.8	96.7	96.0	113.1	130.8	147.9
107.5°	150.8	152.8	156.2	155.4	152.4	138.3	125.2	122.2	137.6	158.9	177.7
110°	180.8	182.8	184.1	182.8	178.2	160.4	144.7	140.1	153.9	176.2	196.6



TEST NUMBER: P1427511

CATALOG NUMBER: SQ2W-BBM-K-050U-075D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	209.8	211.2	214.1	210.1	202.4	182.0	164.1	157.4	171.2	194.1	215.0
115°	255.8	255.8	256.4	254.5	238.7	217.6	194.0	184.1	195.9	217.0	240.0
117.5°	301.0	301.8	299.2	293.9	275.6	251.2	224.6	208.8	218.2	240.4	264.1
120°	329.4	330.7	328.1	320.2	302.5	274.8	244.6	226.2	233.4	255.1	278.8
122.5°	358.9	358.6	355.5	346.5	325.6	296.9	267.2	244.6	247.6	267.7	290.9
125°	399.8	399.1	396.5	386.0	364.3	334.7	299.8	272.2	268.3	285.4	309.0
127.5°	438.7	437.3	433.2	420.4	398.2	369.7	331.4	300.1	291.3	302.1	323.8
130°	465.5	463.6	456.3	442.5	420.8	393.9	355.1	319.6	307.1	313.6	332.7
132.5°	491.3	485.6	479.5	464.6	444.5	416.5	377.2	340.1	322.8	325.7	340.6
135°	524.0	518.8	510.9	496.4	477.4	449.7	410.3	370.2	346.5	343.9	352.4
137.5°	552.8	547.3	538.4	525.9	506.7	482.1	444.2	401.9	372.0	363.2	366.5
140°	570.7	564.2	556.3	543.8	526.7	501.0	464.2	423.4	389.9	377.4	375.4
142.5°	585.5	580.5	572.0	560.6	545.6	520.0	484.2	444.0	408.3	392.1	387.5
145°	607.6	603.6	594.4	583.9	571.4	545.7	512.9	472.8	437.3	416.2	406.4
147.5°	626.2	623.1	615.8	603.5	593.0	568.4	538.4	502.9	466.4	440.4	427.7
150°	637.8	635.2	627.9	616.1	605.6	582.6	553.6	520.8	485.9	458.3	441.9
152.5°	648.8	646.2	637.9	626.1	617.2	595.7	569.4	538.1	502.7	475.1	458.2
155°	663.4	660.2	652.3	641.1	633.2	613.5	589.1	561.5	531.3	502.3	483.3
157.5°	675.0	670.9	663.6	654.0	645.6	627.4	606.2	582.4	556.0	528.4	508.9
160°	681.9	677.3	669.4	660.8	652.9	635.8	616.8	595.1	570.7	545.7	524.7
162.5°	686.6	682.5	673.0	665.5	658.7	643.2	625.2	605.6	583.9	562.1	542.6
165°	691.7	687.1	677.3	671.3	665.4	652.3	636.5	620.7	602.3	584.5	568.8
167.5°	692.1	688.3	678.4	672.6	668.3	657.0	644.2	632.1	617.8	603.9	590.7
170°	691.1	687.8	677.9	672.6	669.4	660.2	649.0	638.5	627.3	615.4	604.9
172.5°	687.4	684.1	674.8	670.5	668.8	660.7	651.6	643.7	634.1	625.4	617.0
175°	677.9	675.3	667.4	664.8	665.4	660.2	653.6	649.0	643.1	637.8	633.2
177.5°	664.1	662.5	656.7	656.7	658.8	655.7	653.6	651.5	648.8	647.3	645.7
180°	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9



TEST NUMBER: P1427511

CATALOG NUMBER: SQ2W-BBM-K-050U-075D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1999.0	1999.0	1999.0	1999.0	1999.0	1999.0	1999.0	1999.0	1999.0	1999.0	1999.0
2.5°	1989.8	1990.3	1998.5	2004.2	2002.4	2000.6	2002.4	2004.2	1998.5	1990.3	1989.8
5°	1988.8	1991.0	2003.0	2011.8	2010.9	2010.0	2010.9	2011.8	2003.0	1991.0	1988.8
7.5°	1993.1	1995.3	2005.2	2012.0	2009.8	2007.6	2009.8	2012.0	2005.2	1995.3	1993.1
10°	1992.4	1993.1	2003.3	2010.4	2008.2	2006.0	2008.2	2010.4	2003.3	1993.1	1992.4
12.5°	1992.5	1989.6	1997.7	2002.8	1998.8	1994.8	1998.8	2002.8	1997.7	1989.6	1992.5
15°	1986.4	1976.7	1978.0	1977.6	1971.8	1966.0	1971.8	1977.6	1978.0	1976.7	1986.4
17.5°	1958.9	1942.6	1937.7	1932.0	1923.8	1915.6	1923.8	1932.0	1937.7	1942.6	1958.9
20°	1928.3	1908.8	1900.3	1892.2	1885.1	1878.0	1885.1	1892.2	1900.3	1908.8	1928.3
22.5°	1886.8	1866.9	1856.3	1847.0	1841.3	1835.6	1841.3	1847.0	1856.3	1866.9	1886.8
25°	1805.2	1787.0	1779.0	1772.2	1769.1	1766.0	1769.1	1772.2	1779.0	1787.0	1805.2
27.5°	1700.1	1684.4	1674.5	1666.0	1662.0	1658.0	1662.0	1666.0	1674.5	1684.4	1700.1
30°	1623.0	1609.7	1599.0	1589.1	1581.6	1574.0	1581.6	1589.1	1599.0	1609.7	1623.0
32.5°	1533.5	1521.9	1510.2	1499.5	1492.0	1484.4	1492.0	1499.5	1510.2	1521.9	1533.5
35°	1379.9	1369.2	1357.7	1347.3	1340.7	1334.0	1340.7	1347.3	1357.7	1369.2	1379.9
37.5°	1193.5	1183.6	1171.1	1160.4	1154.8	1149.2	1154.8	1160.4	1171.1	1183.6	1193.5
40°	1049.2	1040.6	1031.7	1022.9	1014.4	1006.0	1014.4	1022.9	1031.7	1040.6	1049.2
42.5°	906.6	895.5	881.3	869.7	866.3	862.8	866.3	869.7	881.3	895.5	906.6
45°	684.9	680.0	664.0	640.6	594.8	549.0	594.8	640.6	664.0	680.0	684.9
47.5°	455.7	447.4	401.8	355.5	307.0	258.6	307.0	355.5	401.8	447.4	455.7
50°	321.4	313.0	245.0	189.9	173.4	157.0	173.4	189.9	245.0	313.0	321.4
52.5°	218.2	215.3	164.7	124.5	115.1	105.8	115.1	124.5	164.7	215.3	218.2
55°	99.8	99.3	78.0	61.3	58.7	56.0	58.7	61.3	78.0	99.3	99.8
57.5°	43.8	44.0	36.5	29.7	25.4	21.0	25.4	29.7	36.5	44.0	43.8
60°	23.9	23.2	15.7	9.0	5.0	1.0	5.0	9.0	15.7	23.2	23.9
62.5°	13.7	13.5	7.4	2.5	1.4	0.2	1.4	2.5	7.4	13.5	13.7
65°	0.8	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.8	0.8
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.0	3.9	4.9	5.4	5.9	5.7	5.9	5.4	4.9	3.9	3.0
90°	15.1	19.7	24.3	27.0	29.6	28.3	29.6	27.0	24.3	19.7	15.1
92.5°	30.4	38.1	43.8	48.5	50.6	50.4	50.6	48.5	43.8	38.1	30.4
95°	61.1	70.4	79.6	86.1	90.1	88.8	90.1	86.1	79.6	70.4	61.1
97.5°	94.3	106.7	116.9	123.1	127.0	129.7	127.0	123.1	116.9	106.7	94.3
100°	116.4	128.2	140.1	147.3	153.9	156.5	153.9	147.3	140.1	128.2	116.4
102.5°	134.3	149.8	162.7	170.4	176.0	178.6	176.0	170.4	162.7	149.8	134.3
105°	163.7	180.2	194.0	203.8	209.8	211.7	209.8	203.8	194.0	180.2	163.7
107.5°	193.2	210.1	222.9	233.8	241.0	245.3	241.0	233.8	222.9	210.1	193.2
110°	216.3	230.1	243.9	253.8	261.0	263.7	261.0	253.8	243.9	230.1	216.3



TEST NUMBER: P1427511

CATALOG NUMBER: SQ2W-BBM-K-050U-075D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	235.8	251.2	265.0	274.8	283.1	286.8	283.1	274.8	265.0	251.2	235.8
115°	263.0	283.4	295.9	305.1	311.0	314.3	311.0	305.1	295.9	283.4	263.0
117.5°	285.6	306.9	320.6	327.7	330.5	332.8	330.5	327.7	320.6	306.9	285.6
120°	299.8	319.6	335.3	344.5	347.8	349.1	347.8	344.5	335.3	319.6	299.8
122.5°	313.0	331.7	346.9	358.2	363.6	364.9	363.6	358.2	346.9	331.7	313.0
125°	331.4	349.1	364.9	376.1	382.0	385.3	382.0	376.1	364.9	349.1	331.4
127.5°	347.4	366.6	381.1	391.2	397.0	399.6	397.0	391.2	381.1	366.6	347.4
130°	356.4	376.1	390.6	401.7	407.0	409.6	407.0	401.7	390.6	376.1	356.4
132.5°	363.2	384.0	399.0	409.1	414.9	417.5	414.9	409.1	399.0	384.0	363.2
135°	371.5	393.2	409.0	418.8	424.1	426.7	424.1	418.8	409.0	393.2	371.5
137.5°	378.7	398.5	414.9	425.3	430.0	431.7	430.0	425.3	414.9	398.5	378.7
140°	384.0	401.1	417.5	427.4	432.7	433.3	432.7	427.4	417.5	401.1	384.0
142.5°	390.8	404.2	418.6	428.4	433.7	434.9	433.7	428.4	418.6	404.2	390.8
145°	403.1	411.0	420.8	430.0	434.6	435.9	434.6	430.0	420.8	411.0	403.1
147.5°	418.4	420.9	426.1	432.1	436.6	437.5	436.6	432.1	426.1	420.9	418.4
150°	430.0	429.4	431.3	435.3	439.2	438.6	439.2	435.3	431.3	429.4	430.0
152.5°	443.2	439.4	439.2	441.1	442.9	442.8	442.9	441.1	439.2	439.4	443.2
155°	465.5	458.3	454.3	453.0	453.0	452.4	453.0	453.0	454.3	458.3	465.5
157.5°	490.1	480.0	474.1	470.9	470.0	468.6	470.0	470.9	474.1	480.0	490.1
160°	507.0	495.8	489.9	484.6	482.6	480.7	482.6	484.6	489.9	495.8	507.0
162.5°	522.7	512.1	505.6	500.9	498.9	495.9	498.9	500.9	505.6	512.1	522.7
165°	548.4	537.2	530.0	526.0	523.4	520.8	523.4	526.0	530.0	537.2	548.4
167.5°	574.0	561.8	557.1	552.6	550.1	545.4	550.1	552.6	557.1	561.8	574.0
170°	589.8	578.6	576.0	572.0	567.4	562.2	567.4	572.0	576.0	578.6	589.8
172.5°	603.5	596.0	593.4	589.4	588.0	583.8	588.0	589.4	593.4	596.0	603.5
175°	623.3	617.4	617.4	616.8	614.8	610.8	614.8	616.8	617.4	617.4	623.3
177.5°	639.9	636.7	638.9	638.9	638.3	634.6	638.3	638.9	638.9	636.7	639.9
180°	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9



TEST NUMBER: P1427511

CATALOG NUMBER: SQ2W-BBM-K-050U-075D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	1999.0	1999.0	1999.0	1999.0
2.5°	1996.9	2002.8	2005.3	2007.8
5°	1996.3	2002.6	2004.8	2007.0
7.5°	1998.4	2002.8	2004.3	2005.8
10°	2001.3	2008.1	2008.6	2009.0
12.5°	2006.4	2016.1	2013.4	2010.6
15°	2007.3	2021.1	2013.6	2006.0
17.5°	1986.7	2004.9	1994.3	1983.6
20°	1959.0	1978.9	1966.4	1954.0
22.5°	1916.1	1935.2	1923.8	1912.4
25°	1833.7	1853.1	1845.6	1838.0
27.5°	1721.4	1736.9	1734.7	1732.6
30°	1639.0	1651.0	1651.0	1651.0
32.5°	1544.9	1553.7	1554.7	1555.8
35°	1389.7	1395.8	1390.9	1386.0
37.5°	1200.9	1205.9	1204.1	1202.2
40°	1057.7	1063.9	1063.4	1063.0
42.5°	914.7	918.6	909.6	900.6
45°	678.7	664.1	624.6	585.0
47.5°	426.6	392.5	343.2	294.0
50°	270.3	224.7	195.3	166.0
52.5°	173.5	136.8	123.8	110.8
55°	79.3	63.1	59.6	56.0
57.5°	35.8	28.6	23.8	19.0
60°	17.7	11.9	7.4	3.0
62.5°	7.8	3.1	1.8	0.6
65°	0.3	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0
87.5°	2.4	1.4	0.9	0.4
90°	11.8	7.2	4.6	2.0
92.5°	25.5	17.8	12.5	7.2
95°	51.3	40.8	28.9	20.4
97.5°	81.7	64.7	53.0	38.9
100°	98.0	81.5	70.4	55.2
102.5°	115.9	102.0	86.7	71.5
105°	147.9	130.8	113.1	96.0
107.5°	177.7	158.9	137.6	122.2
110°	196.6	176.2	153.9	140.1

TEST NUMBER: P1427511

CATALOG NUMBER: SQ2W-BBM-K-050U-075D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
112.5°	215.0	194.1	171.2	157.4
115°	240.0	217.0	195.9	184.1
117.5°	264.1	240.4	218.2	208.8
120°	278.8	255.1	233.4	226.2
122.5°	290.9	267.7	247.6	244.6
125°	309.0	285.4	268.3	272.2
127.5°	323.8	302.1	291.3	300.1
130°	332.7	313.6	307.1	319.6
132.5°	340.6	325.7	322.8	340.1
135°	352.4	343.9	346.5	370.2
137.5°	366.5	363.2	372.0	401.9
140°	375.4	377.4	389.9	423.4
142.5°	387.5	392.1	408.3	444.0
145°	406.4	416.2	437.3	472.8
147.5°	427.7	440.4	466.4	502.9
150°	441.9	458.3	485.9	520.8
152.5°	458.2	475.1	502.7	538.1
155°	483.3	502.3	531.3	561.5
157.5°	508.9	528.4	556.0	582.4
160°	524.7	545.7	570.7	595.1
162.5°	542.6	562.1	583.9	605.6
165°	568.8	584.5	602.3	620.7
167.5°	590.7	603.9	617.8	632.1
170°	604.9	615.4	627.3	638.5
172.5°	617.0	625.4	634.1	643.7
175°	633.2	637.8	643.1	649.0
177.5°	645.7	647.3	648.8	651.5
180°	650.9	650.9	650.9	650.9



TEST NUMBER: P1427511  
 CATALOG NUMBER: SQ2W-BBM-K-050U-075D-L935-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	0.00	0.00	0.00	0.36	1.48	0.00	0.00	0.00	0.59	1.70
	3H	0.00	0.00	0.00	0.09	1.24	0.00	0.00	0.00	0.32	1.46
	4H	0.00	0.00	0.00	0.00	1.11	0.00	0.00	0.00	0.18	1.33
	6H	0.00	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.02	1.19
	8H	0.00	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00	1.11
	12H	0.00	0.00	0.00	0.00	0.82	0.00	0.00	0.00	0.00	1.04
4H	2H	0.00	0.00	0.00	0.00	1.12	0.00	0.00	0.00	0.19	1.34
	3H	0.00	0.00	0.00	0.00	0.85	0.00	0.00	0.00	0.00	1.07
	4H	0.00	0.00	0.00	0.00	0.71	0.00	0.00	0.00	0.00	0.94
	6H	0.00	0.00	0.00	0.00	0.56	0.00	0.00	0.00	0.00	0.78
	8H	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00	0.69
	12H	0.00	0.00	0.00	0.00	0.38	0.00	0.00	0.00	0.00	0.61
8H	4H	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00	0.69
	6H	0.00	0.00	0.00	0.00	0.32	0.00	0.00	0.00	0.00	0.55
	8H	0.00	0.00	0.00	0.00	0.24	0.00	0.00	0.00	0.00	0.46
	12H	0.00	0.00	0.00	0.00	0.18	0.00	0.00	0.00	0.00	0.40
12H	4H	0.00	0.00	0.00	0.00	0.38	0.00	0.00	0.00	0.00	0.61
	6H	0.00	0.00	0.00	0.00	0.24	0.00	0.00	0.00	0.00	0.46
	8H	0.00	0.00	0.00	0.00	0.18	0.00	0.00	0.00	0.00	0.40