

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: P1427499

Luminaire Tested: SQ2W-BBM-K-025U-075D-L935-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1427499  
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-025U-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 250 LUMENS PER FOOT  
Light Source: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

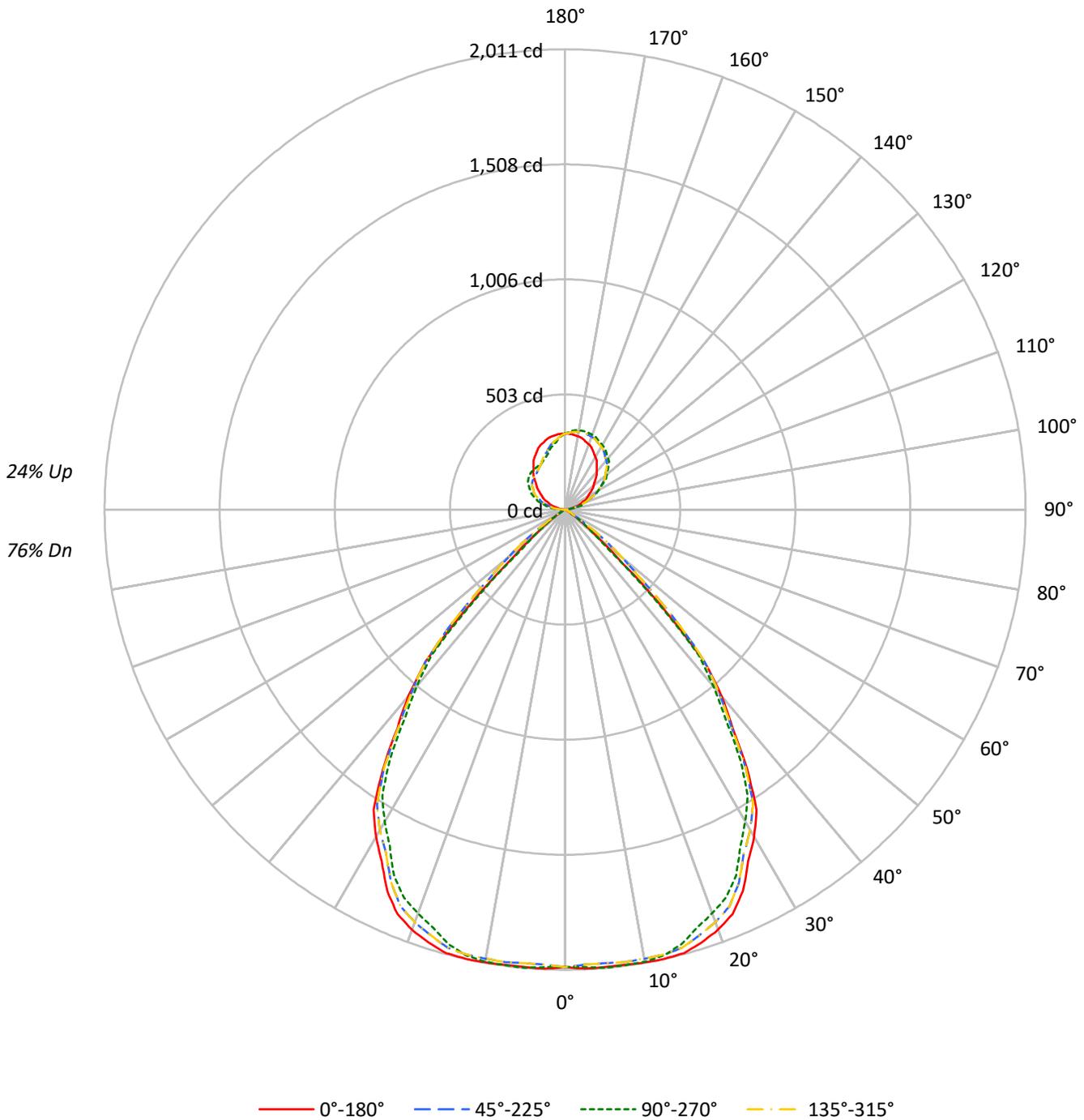
Lumens per Lamp: N/A  
Luminaire Lumens: 3957.4 lumens  
Efficiency: N/A  
Efficacy: 112.7 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.17 / 1.16  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: Semi-Direct

Input Watts (W): 35.1  
Input Voltage (V): 120  
Input Current (Ain): 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: P1427499

CATALOG NUMBER: SQ2W-BBM-K-025U-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	113	113	113	113	108	108	108	108	98	98	98	88	88	88	80	80	80	76
1	106	103	100	98	101	99	96	94	90	88	86	82	81	79	75	74	73	70
2	100	94	89	85	95	90	86	82	83	79	77	76	74	71	70	68	66	63
3	93	85	80	75	89	82	77	73	76	72	69	70	67	64	65	63	60	58
4	87	78	72	67	83	75	69	65	70	65	62	65	61	58	60	57	55	53
5	81	71	65	60	78	69	63	58	64	59	55	60	56	53	56	53	50	48
6	76	66	59	54	73	64	57	53	59	54	50	56	51	48	52	49	46	44
7	71	60	54	49	68	59	52	48	55	50	46	52	47	44	49	45	42	40
8	67	56	49	44	64	54	48	43	51	46	42	48	44	40	45	41	39	37
9	63	52	45	41	60	50	44	40	47	42	38	45	40	37	42	38	36	34
10	59	48	42	37	57	47	41	37	44	39	35	42	37	34	40	36	33	31

**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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CATALOG NUMBER: SQ2W-BBM-K-025U-075D-L935-UNV-STD-W-WM-4

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	191.1	4.8
10°-20°	559.9	14.1
20°-30°	823.7	20.8
30°-40°	841.9	21.3
40°-50°	485.0	12.3
50°-60°	83.5	2.1
60°-70°	3.0	0.1
70°-80°	0.0	0.0
80°-90°	1.8	0.0
90°-100°	26.4	0.7
100°-110°	76.9	1.9
110°-120°	125.6	3.2
120°-130°	159.3	4.0
130°-140°	170.5	4.3
140°-150°	159.2	4.0
150°-160°	131.0	3.3
160°-170°	87.9	2.2
170°-180°	31.2	0.8
0°-30°	1574.7	39.8
0°-40°	2416.6	61.1
0°-60°	2985.0	75.4
0°-90°	2989.8	75.5
90°-120°	228.9	5.8
90°-150°	717.9	18.1
90°-180°	968.0	24.5
0°-180°	3957.4	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°	1	7	1	14	1	1
95°	10	8	10	45	10	13
105°	49	78	49	108	49	52
115°	94	130	94	160	94	92
125°	139	206	139	196	139	124
135°	188	270	188	217	188	146
145°	241	311	241	222	241	151
155°	286	338	286	230	286	131
165°	316	352	316	265	316	89
175°	330	345	330	311	330	31
180°	332	332	332	332	332	



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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°	0.2	0.5	0.8	1.1	1.3	1.3	1.3	1.4	1.5	1.5	1.5
90°	1.0	2.3	4.0	5.4	6.4	6.7	6.7	7.0	7.4	7.4	7.4
92.5°	3.7	5.8	5.9	5.9	7.2	7.8	8.3	8.4	8.7	8.7	8.7
95°	10.4	11.4	17.1	16.7	11.4	9.0	7.7	7.7	7.7	7.7	7.7
97.5°	19.8	21.3	22.2	29.8	31.5	30.4	24.8	20.8	18.6	17.6	18.6
100°	28.1	28.8	30.8	31.1	39.5	47.6	43.5	38.5	36.8	35.8	36.8
102.5°	36.4	36.8	39.9	41.3	43.3	47.8	61.8	60.2	59.1	58.9	59.1
105°	48.9	49.2	54.9	57.6	58.9	58.9	58.6	65.3	76.0	78.4	76.0
107.5°	62.2	63.8	70.5	77.6	79.2	79.6	77.8	76.8	76.4	76.7	76.4
110°	71.3	73.7	81.7	90.8	93.1	93.8	93.1	92.1	91.4	91.4	91.4



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	80.2	83.6	92.7	103.1	107.0	109.0	107.6	106.8	106.2	106.7	106.2
115°	93.8	98.8	110.8	121.6	129.6	130.6	130.3	130.3	129.9	129.9	129.9
117.5°	106.4	114.4	127.9	140.4	149.7	152.4	153.7	153.3	152.9	153.6	152.9
120°	115.2	124.6	140.0	154.0	163.1	167.1	168.4	167.8	168.4	167.8	168.4
122.5°	124.6	136.1	151.2	165.8	176.5	181.0	182.6	182.8	182.9	182.5	182.9
125°	138.6	152.7	170.5	185.5	196.6	201.9	203.3	203.6	204.3	206.0	204.3
127.5°	152.8	168.8	188.3	202.8	214.1	220.6	222.7	223.4	224.8	225.6	224.8
130°	162.8	180.8	200.6	214.3	225.4	232.4	236.1	237.1	238.8	238.4	238.8
132.5°	173.2	192.1	212.1	226.4	236.6	244.2	247.3	250.2	250.8	251.3	250.8
135°	188.5	209.0	229.1	243.1	252.8	260.2	264.2	266.9	268.6	269.6	268.6
137.5°	204.7	226.2	245.5	258.1	267.8	274.2	278.8	281.6	283.3	284.1	283.3
140°	215.7	236.4	255.2	268.2	276.9	283.3	287.3	290.7	292.7	292.7	292.7
142.5°	226.1	246.6	264.8	277.9	285.5	291.3	295.6	298.2	300.5	300.5	300.5
145°	240.8	261.2	277.9	291.0	297.4	302.7	307.4	309.4	310.8	310.8	310.8
147.5°	256.1	274.2	289.5	302.0	307.4	313.6	317.3	318.9	320.6	319.9	320.6
150°	265.2	282.0	296.7	308.4	313.8	319.8	323.5	324.8	326.5	325.5	326.5
152.5°	274.1	290.0	303.4	314.3	318.9	324.9	329.1	330.5	331.6	330.9	331.6
155°	286.0	300.1	312.4	322.5	326.5	332.2	336.2	337.9	339.2	337.6	339.2
157.5°	296.6	308.8	319.5	328.8	333.1	338.0	341.7	343.8	345.1	344.4	345.1
160°	303.1	314.1	323.8	332.5	336.6	340.9	344.9	347.3	348.6	347.6	348.6
162.5°	308.4	318.4	327.6	335.5	339.0	342.8	347.6	349.7	351.0	349.7	351.0
165°	316.1	324.2	332.2	338.9	341.9	344.9	349.9	352.3	353.3	352.0	353.3
167.5°	322.0	328.1	334.6	340.4	342.6	345.5	350.6	352.5	353.8	352.1	353.8
170°	325.2	330.5	336.2	340.9	342.6	345.3	350.3	352.0	353.0	351.3	353.0
172.5°	327.8	331.9	336.5	340.6	341.5	343.7	348.4	350.1	350.8	349.4	350.8
175°	330.5	332.9	336.2	338.9	338.6	339.9	343.9	345.3	346.6	344.6	346.6
177.5°	331.8	332.9	333.9	335.5	334.5	334.5	337.4	338.2	338.5	337.4	338.5
180°	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5



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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°	1.4	1.3	1.3	1.3	1.1	0.8	0.5	0.2	0.5	0.7	1.2
90°	7.0	6.7	6.7	6.4	5.4	4.0	2.3	1.0	2.3	3.7	6.0
92.5°	8.4	8.3	7.8	7.2	5.9	5.9	5.8	3.7	6.4	9.0	13.0
95°	7.7	7.7	9.0	11.4	16.7	17.1	11.4	10.4	14.7	20.8	26.1
97.5°	20.8	24.8	30.4	31.5	29.8	22.2	21.3	19.8	27.0	33.0	41.6
100°	38.5	43.5	47.6	39.5	31.1	30.8	28.8	28.1	35.8	41.5	49.9
102.5°	60.2	61.8	47.8	43.3	41.3	39.9	36.8	36.4	44.1	52.0	59.0
105°	65.3	58.6	58.9	58.9	57.6	54.9	49.2	48.9	57.6	66.6	75.3
107.5°	76.8	77.8	79.6	79.2	77.6	70.5	63.8	62.2	70.1	80.9	90.5
110°	92.1	93.1	93.8	93.1	90.8	81.7	73.7	71.3	78.4	89.7	100.1



TEST NUMBER: P1427499

CATALOG NUMBER: SQ2W-BBM-K-025U-075D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	106.8	107.6	109.0	107.0	103.1	92.7	83.6	80.2	87.2	98.9	109.5
115°	130.3	130.3	130.6	129.6	121.6	110.8	98.8	93.8	99.8	110.5	122.2
117.5°	153.3	153.7	152.4	149.7	140.4	127.9	114.4	106.4	111.1	122.4	134.5
120°	167.8	168.4	167.1	163.1	154.0	140.0	124.6	115.2	118.9	129.9	142.0
122.5°	182.8	182.6	181.0	176.5	165.8	151.2	136.1	124.6	126.1	136.4	148.2
125°	203.6	203.3	201.9	196.6	185.5	170.5	152.7	138.6	136.6	145.3	157.4
127.5°	223.4	222.7	220.6	214.1	202.8	188.3	168.8	152.8	148.4	153.8	164.9
130°	237.1	236.1	232.4	225.4	214.3	200.6	180.8	162.8	156.4	159.7	169.4
132.5°	250.2	247.3	244.2	236.6	226.4	212.1	192.1	173.2	164.4	165.9	173.5
135°	266.9	264.2	260.2	252.8	243.1	229.1	209.0	188.5	176.5	175.1	179.5
137.5°	281.6	278.8	274.2	267.8	258.1	245.5	226.2	204.7	189.5	185.0	186.7
140°	290.7	287.3	283.3	276.9	268.2	255.2	236.4	215.7	198.6	192.2	191.2
142.5°	298.2	295.6	291.3	285.5	277.9	264.8	246.6	226.1	208.0	199.7	197.4
145°	309.4	307.4	302.7	297.4	291.0	277.9	261.2	240.8	222.7	212.0	207.0
147.5°	318.9	317.3	313.6	307.4	302.0	289.5	274.2	256.1	237.6	224.3	217.8
150°	324.8	323.5	319.8	313.8	308.4	296.7	282.0	265.2	247.5	233.4	225.0
152.5°	330.5	329.1	324.9	318.9	314.3	303.4	290.0	274.1	256.0	242.0	233.3
155°	337.9	336.2	332.2	326.5	322.5	312.4	300.1	286.0	270.6	255.8	246.1
157.5°	343.8	341.7	338.0	333.1	328.8	319.5	308.8	296.6	283.2	269.1	259.2
160°	347.3	344.9	340.9	336.6	332.5	323.8	314.1	303.1	290.7	277.9	267.2
162.5°	349.7	347.6	342.8	339.0	335.5	327.6	318.4	308.4	297.4	286.3	276.3
165°	352.3	349.9	344.9	341.9	338.9	332.2	324.2	316.1	306.7	297.7	289.7
167.5°	352.5	350.6	345.5	342.6	340.4	334.6	328.1	322.0	314.7	307.6	300.9
170°	352.0	350.3	345.3	342.6	340.9	336.2	330.5	325.2	319.5	313.4	308.1
172.5°	350.1	348.4	343.7	341.5	340.6	336.5	331.9	327.8	323.0	318.5	314.3
175°	345.3	343.9	339.9	338.6	338.9	336.2	332.9	330.5	327.5	324.8	322.5
177.5°	338.2	337.4	334.5	334.5	335.5	333.9	332.9	331.8	330.5	329.7	328.9
180°	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5



TEST NUMBER: P1427499

CATALOG NUMBER: SQ2W-BBM-K-025U-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°	1.5	2.0	2.5	2.7	3.0	2.9	3.0	2.7	2.5	2.0	1.5
90°	7.7	10.0	12.4	13.7	15.1	14.4	15.1	13.7	12.4	10.0	7.7
92.5°	15.5	19.4	22.3	24.7	25.8	25.7	25.8	24.7	22.3	19.4	15.5
95°	31.1	35.8	40.5	43.9	45.9	45.2	45.9	43.9	40.5	35.8	31.1
97.5°	48.0	54.3	59.5	62.7	64.7	66.0	64.7	62.7	59.5	54.3	48.0
100°	59.3	65.3	71.3	75.0	78.4	79.7	78.4	75.0	71.3	65.3	59.3
102.5°	68.4	76.3	82.8	86.8	89.6	91.0	89.6	86.8	82.8	76.3	68.4
105°	83.4	91.8	98.8	103.8	106.8	107.8	106.8	103.8	98.8	91.8	83.4
107.5°	98.4	107.0	113.5	119.1	122.8	124.9	122.8	119.1	113.5	107.0	98.4
110°	110.2	117.2	124.2	129.3	132.9	134.3	132.9	129.3	124.2	117.2	110.2



TEST NUMBER: P1427499

CATALOG NUMBER: SQ2W-BBM-K-025U-075D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	120.1	127.9	135.0	140.0	144.2	146.1	144.2	140.0	135.0	127.9	120.1
115°	134.0	144.3	150.7	155.4	158.4	160.1	158.4	155.4	150.7	144.3	134.0
117.5°	145.5	156.3	163.3	166.9	168.3	169.5	168.3	166.9	163.3	156.3	145.5
120°	152.7	162.8	170.8	175.5	177.2	177.8	177.2	175.5	170.8	162.8	152.7
122.5°	159.4	168.9	176.7	182.4	185.2	185.9	185.2	182.4	176.7	168.9	159.4
125°	168.8	177.8	185.9	191.6	194.6	196.2	194.6	191.6	185.9	177.8	168.8
127.5°	176.9	186.7	194.1	199.3	202.2	203.5	202.2	199.3	194.1	186.7	176.9
130°	181.5	191.6	198.9	204.6	207.3	208.6	207.3	204.6	198.9	191.6	181.5
132.5°	185.0	195.6	203.2	208.4	211.3	212.6	211.3	208.4	203.2	195.6	185.0
135°	189.2	200.3	208.3	213.3	216.0	217.3	216.0	213.3	208.3	200.3	189.2
137.5°	192.9	202.9	211.3	216.6	219.0	219.9	219.0	216.6	211.3	202.9	192.9
140°	195.6	204.3	212.6	217.7	220.4	220.7	220.4	217.7	212.6	204.3	195.6
142.5°	199.1	205.9	213.2	218.2	220.9	221.5	220.9	218.2	213.2	205.9	199.1
145°	205.3	209.3	214.3	219.0	221.4	222.0	221.4	219.0	214.3	209.3	205.3
147.5°	213.1	214.4	217.0	220.1	222.4	222.8	222.4	220.1	217.0	214.4	213.1
150°	219.0	218.7	219.7	221.7	223.7	223.4	223.7	221.7	219.7	218.7	219.0
152.5°	225.7	223.8	223.7	224.6	225.6	225.5	225.6	224.6	223.7	223.8	225.7
155°	237.1	233.4	231.4	230.7	230.7	230.4	230.7	230.7	231.4	233.4	237.1
157.5°	249.6	244.5	241.4	239.8	239.4	238.6	239.4	239.8	241.4	244.5	249.6
160°	258.2	252.5	249.5	246.8	245.8	244.8	245.8	246.8	249.5	252.5	258.2
162.5°	266.2	260.8	257.5	255.1	254.1	252.6	254.1	255.1	257.5	260.8	266.2
165°	279.3	273.6	269.9	267.9	266.6	265.2	266.6	267.9	269.9	273.6	279.3
167.5°	292.3	286.1	283.7	281.4	280.2	277.7	280.2	281.4	283.7	286.1	292.3
170°	300.4	294.7	293.4	291.3	289.0	286.3	289.0	291.3	293.4	294.7	300.4
172.5°	307.4	303.5	302.2	300.2	299.4	297.3	299.4	300.2	302.2	303.5	307.4
175°	317.5	314.5	314.5	314.1	313.1	311.1	313.1	314.1	314.5	314.5	317.5
177.5°	325.9	324.3	325.4	325.4	325.1	323.2	325.1	325.4	325.4	324.3	325.9
180°	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5



TEST NUMBER: P1427499

CATALOG NUMBER: SQ2W-BBM-K-025U-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°	1.2	0.7	0.5	0.2
90°	6.0	3.7	2.3	1.0
92.5°	13.0	9.0	6.4	3.7
95°	26.1	20.8	14.7	10.4
97.5°	41.6	33.0	27.0	19.8
100°	49.9	41.5	35.8	28.1
102.5°	59.0	52.0	44.1	36.4
105°	75.3	66.6	57.6	48.9
107.5°	90.5	80.9	70.1	62.2
110°	100.1	89.7	78.4	71.3

TEST NUMBER: P1427499

CATALOG NUMBER: SQ2W-BBM-K-025U-075D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
112.5°	109.5	98.9	87.2	80.2
115°	122.2	110.5	99.8	93.8
117.5°	134.5	122.4	111.1	106.4
120°	142.0	129.9	118.9	115.2
122.5°	148.2	136.4	126.1	124.6
125°	157.4	145.3	136.6	138.6
127.5°	164.9	153.8	148.4	152.8
130°	169.4	159.7	156.4	162.8
132.5°	173.5	165.9	164.4	173.2
135°	179.5	175.1	176.5	188.5
137.5°	186.7	185.0	189.5	204.7
140°	191.2	192.2	198.6	215.7
142.5°	197.4	199.7	208.0	226.1
145°	207.0	212.0	222.7	240.8
147.5°	217.8	224.3	237.6	256.1
150°	225.0	233.4	247.5	265.2
152.5°	233.3	242.0	256.0	274.1
155°	246.1	255.8	270.6	286.0
157.5°	259.2	269.1	283.2	296.6
160°	267.2	277.9	290.7	303.1
162.5°	276.3	286.3	297.4	308.4
165°	289.7	297.7	306.7	316.1
167.5°	300.9	307.6	314.7	322.0
170°	308.1	313.4	319.5	325.2
172.5°	314.3	318.5	323.0	327.8
175°	322.5	324.8	327.5	330.5
177.5°	328.9	329.7	330.5	331.8
180°	331.5	331.5	331.5	331.5



TEST NUMBER: P1427499

CATALOG NUMBER: SQ2W-BBM-K-025U-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	0.80	0.67	1.52	2.39	0.16	1.02	0.90	1.75	2.62
	3H	0.00	0.51	0.50	1.25	2.15	0.00	0.73	0.73	1.47	2.38
	4H	0.00	0.36	0.42	1.11	2.02	0.00	0.58	0.65	1.33	2.25
	6H	0.00	0.19	0.33	0.95	1.88	0.00	0.42	0.55	1.18	2.10
	8H	0.00	0.10	0.28	0.88	1.80	0.00	0.32	0.51	1.10	2.03
	12H	0.00	0.01	0.23	0.78	1.73	0.00	0.24	0.45	1.01	1.96
4H	2H	0.00	0.37	0.44	1.12	2.03	0.00	0.59	0.66	1.34	2.26
	3H	0.00	0.04	0.25	0.83	1.76	0.00	0.27	0.48	1.06	1.98
	4H	0.00	0.00	0.15	0.66	1.62	0.00	0.10	0.38	0.89	1.85
	6H	0.00	0.00	0.07	0.50	1.47	0.00	0.00	0.29	0.73	1.70
	8H	0.00	0.00	0.00	0.40	1.38	0.00	0.00	0.23	0.63	1.60
	12H	0.00	0.00	0.00	0.31	1.29	0.00	0.00	0.17	0.54	1.52
8H	4H	0.00	0.00	0.00	0.40	1.38	0.00	0.00	0.23	0.63	1.60
	6H	0.00	0.00	0.00	0.25	1.23	0.00	0.00	0.13	0.48	1.45
	8H	0.00	0.00	0.00	0.15	1.14	0.00	0.00	0.08	0.37	1.37
	12H	0.00	0.00	0.00	0.03	1.09	0.00	0.00	0.01	0.26	1.31
12H	4H	0.00	0.00	0.00	0.31	1.29	0.00	0.00	0.17	0.54	1.52
	6H	0.00	0.00	0.00	0.15	1.14	0.00	0.00	0.08	0.37	1.37
	8H	0.00	0.00	0.00	0.03	1.09	0.00	0.00	0.01	0.26	1.31