

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: P1427487

Luminaire Tested: SQ2W-BBM-0U-075D-L935-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1427487
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-0U-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 N/A - DIRECT ONLY
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

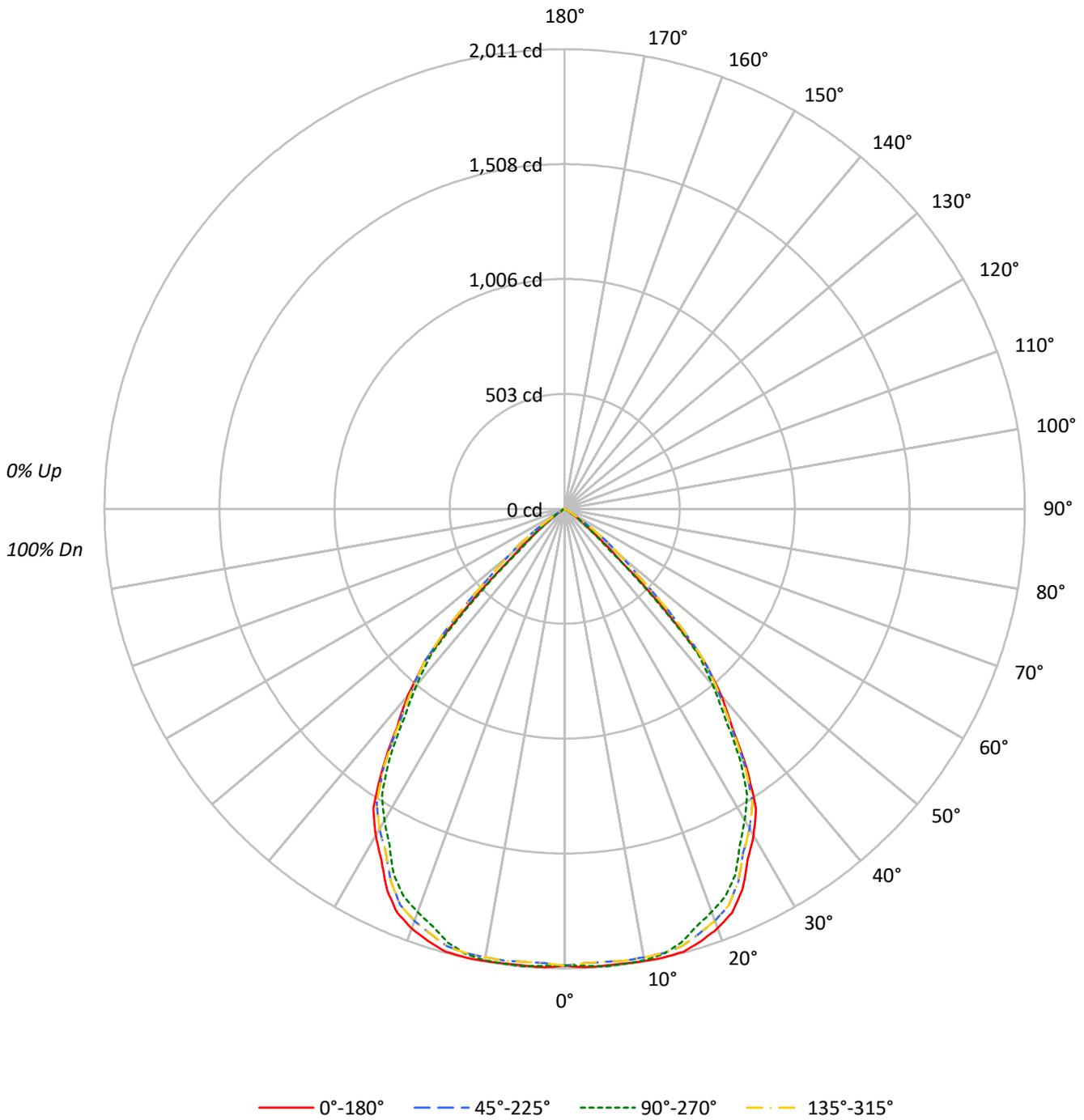
Lumens per Lamp: N/A
Luminaire Lumens: 2988.0 lumens
Efficiency: N/A
Efficacy: 108.3 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.17 / 1.16
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 27.6
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

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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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92
2	106	101	96	93	104	99	95	92	96	92	90	93	90	88	90	88	86	84
3	100	93	87	83	98	91	86	82	89	84	81	86	82	79	84	81	78	76
4	94	85	79	74	92	84	78	74	82	77	73	80	76	72	78	74	71	70
5	88	79	72	67	86	78	72	67	76	70	66	74	69	66	72	68	65	63
6	83	73	66	61	81	72	66	61	70	65	60	69	64	60	67	63	60	58
7	78	67	61	56	76	67	60	56	65	60	55	64	59	55	63	58	55	53
8	73	63	56	51	72	62	56	51	61	55	51	60	54	51	59	54	50	49
9	69	58	52	47	68	58	51	47	57	51	47	56	50	47	55	50	46	45
10	65	54	48	43	64	54	48	43	53	47	43	52	47	43	51	47	43	42

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	6.4
10°-20°	559.9	18.7
20°-30°	823.7	27.6
30°-40°	841.9	28.2
40°-50°	485.0	16.2
50°-60°	83.5	2.8
60°-70°	3.0	0.1
70°-80°	0.0	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1574.7	52.7
0°-40°	2416.6	80.9
0°-60°	2985.0	99.9
0°-90°	2988.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2988.0	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°	0	0	0	0	0	



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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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1427487

CATALOG NUMBER: SQ2W-BBM-0U-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°	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0



TEST NUMBER: P1427487
 CATALOG NUMBER: SQ2W-BBM-0U-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	1.93	3.06	2.29	3.37	3.69	2.15	3.28	2.52	3.60	3.91
	3H	1.76	2.75	2.14	3.08	3.45	1.98	2.97	2.37	3.31	3.67
	4H	1.67	2.58	2.08	2.94	3.32	1.90	2.81	2.30	3.16	3.55
	6H	1.57	2.41	1.99	2.78	3.18	1.80	2.63	2.22	3.01	3.40
	8H	1.52	2.31	1.96	2.70	3.11	1.75	2.53	2.18	2.92	3.33
	12H	1.47	2.22	1.90	2.60	3.03	1.69	2.44	2.13	2.83	3.26
4H	2H	1.68	2.59	2.09	2.95	3.33	1.90	2.82	2.31	3.17	3.56
	3H	1.50	2.24	1.92	2.65	3.05	1.73	2.46	2.14	2.87	3.28
	4H	1.40	2.05	1.83	2.47	2.92	1.62	2.27	2.06	2.69	3.14
	6H	1.30	1.85	1.76	2.30	2.77	1.52	2.08	1.99	2.53	3.00
	8H	1.23	1.75	1.70	2.20	2.67	1.45	1.97	1.93	2.42	2.90
	12H	1.17	1.62	1.66	2.11	2.58	1.39	1.85	1.88	2.33	2.81
8H	4H	1.23	1.75	1.70	2.20	2.67	1.45	1.97	1.93	2.42	2.90
	6H	1.11	1.53	1.61	2.03	2.51	1.33	1.75	1.84	2.25	2.74
	8H	1.03	1.41	1.56	1.93	2.43	1.26	1.63	1.78	2.15	2.65
	12H	0.97	1.31	1.49	1.81	2.38	1.20	1.53	1.72	2.03	2.61
12H	4H	1.17	1.62	1.66	2.11	2.58	1.39	1.85	1.88	2.33	2.81
	6H	1.03	1.41	1.56	1.93	2.43	1.26	1.63	1.78	2.15	2.65
	8H	0.97	1.31	1.49	1.81	2.38	1.20	1.53	1.72	2.03	2.61