

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: P1428506

Luminaire Tested: SQ2W-WBM-K-025U-075D-L930-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428506
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G3-2104-222-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-WBM-K-025U-075D-L930-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - WHITE DISCREET BAFFLE, MEDIUM 80-DEGREE OPTIC
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 750 LUMENS PER FOOT
UPLIGHT 250 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

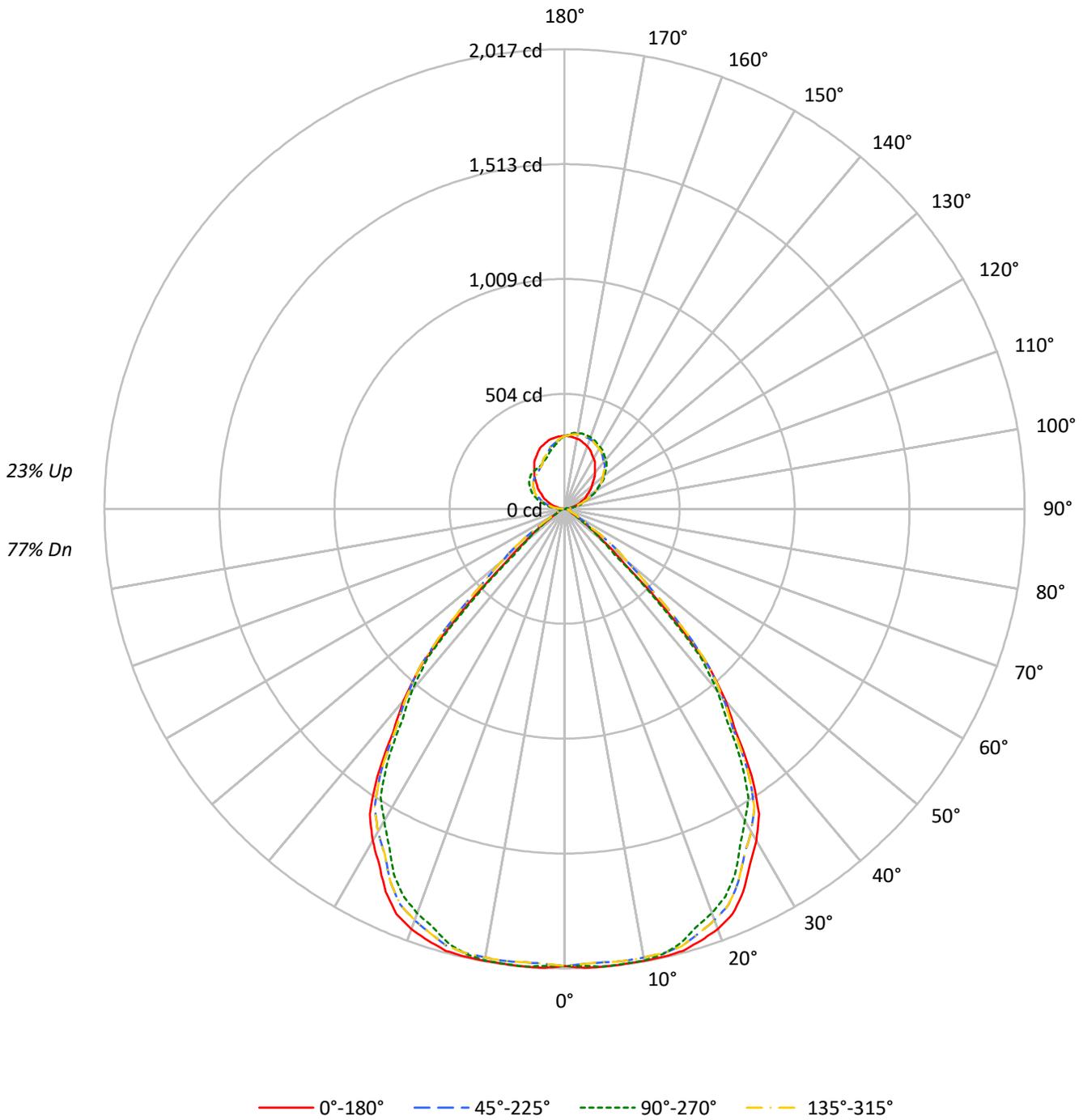
Lumens per Lamp: N/A
Luminaire Lumens: 4070.6 lumens
Efficiency: N/A
Efficacy: 116.0 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.18 / 1.17
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 35.1
Input Voltage (V): 120
Input Current (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	50	30	10	0	
RCR																						
0	114	114	114	114	108	108	108	108	98	98	98	89	89	89	81	81	81	77				77
1	107	103	100	97	102	99	96	94	90	88	87	83	81	80	76	75	74	70				70
2	100	94	89	85	95	90	85	82	83	79	77	76	74	72	70	69	67	64				64
3	93	85	79	74	89	82	77	72	76	72	68	70	67	64	65	63	60	58				58
4	87	78	71	66	83	75	69	64	70	65	61	65	61	58	60	57	55	52				52
5	81	71	64	59	77	69	62	57	64	59	55	60	56	52	56	53	50	48				48
6	76	65	58	53	72	63	56	52	59	54	50	55	51	48	52	48	45	43				43
7	71	60	53	48	68	58	52	47	55	49	45	51	47	43	48	44	42	40				40
8	66	55	48	43	64	54	47	43	51	45	41	48	43	40	45	41	38	36				36
9	62	51	44	40	60	50	43	39	47	42	38	44	40	36	42	38	35	33				33
10	59	48	41	36	56	46	40	36	44	38	35	42	37	34	39	35	32	31				31

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	32393	32393	32393	32393
5°	32688	32672	32688	32672
10°	33019	33002	33019	33002
15°	33567	32972	33567	32972
20°	33728	32439	33728	32439
25°	33034	31527	33034	31527
30°	31343	29479	31343	29479
35°	28189	26597	28189	26597
40°	23110	21892	23110	21892
45°	14451	13572	14451	13572
50°	5654	5169	5654	5169
55°	2790	2761	2790	2761
60°	1305	1179	1305	1179
65°	1177	1104	1177	1104
70°	1133	1090	1133	1090
75°	1142	1023	1142	1023
80°	1069	986	1069	986
85°	1074	889	1074	889

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 30°
 Vertical Angle: 45°
 Luminance: 16449 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.8	4.7
10°-20°	560.9	13.8
20°-30°	829.3	20.4
30°-40°	858.1	21.1
40°-50°	516.1	12.7
50°-60°	123.4	3.0
60°-70°	33.7	0.8
70°-80°	18.9	0.5
80°-90°	7.3	0.2
90°-100°	25.4	0.6
100°-110°	74.0	1.8
110°-120°	120.8	3.0
120°-130°	153.3	3.8
130°-140°	164.0	4.0
140°-150°	153.1	3.8
150°-160°	126.0	3.1
160°-170°	84.5	2.1
170°-180°	30.0	0.7
0°-30°	1582.1	38.9
0°-40°	2440.2	59.9
0°-60°	3079.7	75.7
0°-90°	3139.6	77.1
90°-120°	220.2	5.4
90°-150°	690.5	17.0
90°-180°	931.0	22.9
0°-180°	4070.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2006	2006	2006	2006	2006	
5°	2017	2016	2017	2016	2017	192
15°	2008	1973	2008	1973	2008	566
25°	1854	1770	1854	1770	1854	848
35°	1430	1349	1430	1349	1430	878
45°	633	594	633	594	633	489
55°	99	98	99	98	99	99
65°	31	29	31	29	31	31
75°	18	16	18	16	18	19
85°	6	5	6	5	6	6
90°	1	7	1	14	1	1
95°	10	7	10	44	10	12
105°	47	75	47	104	47	50
115°	90	125	90	154	90	89
125°	133	198	133	189	133	119
135°	181	259	181	209	181	140
145°	232	299	232	214	232	145
155°	275	325	275	222	275	126
165°	304	338	304	255	304	86
175°	318	331	318	299	318	30
180°	319	319	319	319	319	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	2006.3	2006.3	2006.3	2006.3	2006.3	2006.3	2006.3	2006.3	2006.3	2006.3	2006.3
2.5°	2016.3	2013.9	2011.5	2005.5	1998.4	1998.5	2006.1	2011.3	2009.6	2007.9	2009.6
5°	2016.9	2013.9	2010.9	2004.1	1995.9	1997.9	2009.8	2018.5	2017.2	2015.9	2017.2
7.5°	2014.8	2013.5	2012.2	2007.2	2001.0	2002.4	2011.4	2017.7	2015.8	2013.8	2015.8
10°	2014.0	2014.4	2014.9	2008.2	1999.3	1999.5	2008.9	2015.6	2014.3	2013.0	2014.3
12.5°	2013.2	2016.7	2020.2	2011.3	1998.2	1995.4	2002.7	2007.5	2004.5	2001.5	2004.5
15°	2008.2	2015.1	2021.9	2009.8	1991.5	1982.3	1982.3	1981.2	1976.9	1972.6	1976.9
17.5°	1986.9	1995.0	2003.1	1986.8	1962.2	1946.7	1940.1	1933.8	1928.6	1923.4	1928.6
20°	1963.0	1971.2	1979.3	1959.8	1931.2	1911.5	1900.8	1892.3	1890.1	1888.0	1890.1
22.5°	1925.3	1934.1	1942.9	1922.1	1891.4	1870.2	1858.5	1848.9	1845.3	1841.8	1845.3
25°	1854.3	1861.2	1868.0	1846.3	1815.1	1795.3	1786.7	1779.1	1774.4	1769.7	1774.4
27.5°	1759.7	1763.5	1767.2	1746.2	1717.0	1697.5	1687.8	1678.8	1672.3	1665.8	1672.3
30°	1681.2	1682.9	1684.6	1667.8	1644.7	1626.7	1613.9	1601.7	1591.5	1581.2	1591.5
32.5°	1588.1	1589.8	1591.5	1576.7	1556.4	1540.1	1528.0	1516.8	1508.6	1500.4	1508.6
35°	1430.2	1429.3	1428.5	1419.0	1406.6	1393.3	1379.2	1366.5	1358.0	1349.4	1358.0
37.5°	1232.6	1233.8	1235.0	1228.0	1218.1	1207.7	1196.5	1186.0	1177.4	1168.8	1177.4
40°	1096.5	1097.3	1098.2	1092.3	1084.2	1072.0	1055.7	1043.0	1040.9	1038.7	1040.9
42.5°	930.3	943.1	955.9	950.7	939.5	927.7	915.2	903.3	893.3	883.3	893.3
45°	632.9	671.8	710.7	720.4	720.4	712.9	697.9	676.5	635.4	594.4	635.4
47.5°	357.4	401.7	446.0	475.1	499.1	488.9	444.4	398.6	348.8	298.9	348.8
50°	225.1	255.0	284.9	322.2	362.0	351.1	289.5	239.2	222.5	205.8	222.5
52.5°	159.7	174.9	190.1	225.3	267.1	262.0	210.0	168.8	160.0	151.2	160.0
55°	99.1	104.6	110.2	127.3	148.2	146.9	123.4	104.9	101.5	98.1	101.5
57.5°	58.9	64.6	70.3	77.9	86.1	86.1	77.9	70.4	65.0	59.6	65.0
60°	40.4	45.1	49.8	56.1	62.9	62.1	53.5	46.0	41.3	36.5	41.3
62.5°	35.0	37.0	38.9	43.8	49.6	49.1	42.3	36.7	35.1	33.5	35.1
65°	30.8	31.2	31.6	32.1	32.5	32.3	31.4	30.6	29.7	28.9	29.7
67.5°	27.1	27.6	28.0	27.8	27.5	27.3	27.2	26.9	26.2	25.4	26.2
70°	24.0	24.5	24.9	25.0	25.0	24.8	24.4	23.9	23.5	23.1	23.5
72.5°	21.7	22.2	22.6	22.4	22.1	21.9	21.8	21.5	20.8	20.0	20.8
75°	18.3	18.3	18.3	18.3	18.3	18.1	17.6	17.2	16.8	16.4	16.8
77.5°	13.8	14.3	14.7	14.5	14.1	13.8	13.8	13.7	13.3	12.9	13.3
80°	11.5	12.0	12.4	12.2	11.8	11.5	11.5	11.4	11.0	10.6	11.0
82.5°	9.2	9.3	9.4	9.4	9.3	9.2	9.2	9.1	8.7	8.3	8.7
85°	5.8	5.8	5.8	5.5	5.0	4.8	4.8	4.8	4.8	4.8	4.8
87.5°	1.7	2.3	3.0	3.1	2.9	2.8	2.8	2.9	3.0	3.0	3.0
90°	1.0	2.3	3.9	5.2	6.1	6.4	6.4	6.8	7.1	7.1	7.1
92.5°	3.5	5.6	5.7	5.7	6.9	7.5	8.0	8.1	8.4	8.4	8.4
95°	10.0	11.0	16.4	16.1	11.0	8.7	7.4	7.4	7.4	7.4	7.4
97.5°	19.1	20.5	21.4	28.7	30.3	29.2	23.8	20.0	17.9	16.9	17.9
100°	27.1	27.7	29.6	30.0	38.0	45.7	41.9	37.0	35.4	34.5	35.4
102.5°	35.0	35.4	38.4	39.7	41.6	46.0	59.4	57.9	56.8	56.6	56.8
105°	47.0	47.3	52.8	55.4	56.7	56.7	56.4	62.8	73.1	75.4	73.1
107.5°	59.8	61.3	67.8	74.7	76.1	76.5	74.9	73.9	73.5	73.8	73.5
110°	68.6	70.9	78.6	87.3	89.5	90.2	89.5	88.6	87.9	87.9	87.9

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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	77.1	80.4	89.2	99.1	102.9	104.9	103.5	102.7	102.1	102.6	102.1
115°	90.2	95.0	106.6	116.9	124.6	125.6	125.3	125.3	125.0	125.0	125.0
117.5°	102.3	110.0	123.0	135.0	144.0	146.5	147.8	147.5	147.1	147.7	147.1
120°	110.8	119.8	134.6	148.2	156.9	160.7	162.0	161.4	162.0	161.4	162.0
122.5°	119.8	130.9	145.5	159.5	169.7	174.1	175.7	175.8	175.9	175.5	175.9
125°	133.3	146.9	163.9	178.4	189.1	194.2	195.5	195.8	196.5	198.1	196.5
127.5°	147.0	162.3	181.1	195.1	205.9	212.2	214.2	214.9	216.2	217.0	216.2
130°	156.5	173.9	192.9	206.1	216.8	223.5	227.1	228.0	229.6	229.3	229.6
132.5°	166.6	184.7	204.0	217.7	227.6	234.9	237.9	240.7	241.2	241.7	241.2
135°	181.3	201.0	220.3	233.8	243.2	250.3	254.1	256.7	258.3	259.3	258.3
137.5°	196.9	217.6	236.2	248.2	257.6	263.7	268.1	270.8	272.5	273.3	272.5
140°	207.4	227.4	245.4	258.0	266.4	272.5	276.3	279.6	281.5	281.5	281.5
142.5°	217.5	237.2	254.7	267.3	274.6	280.2	284.3	286.8	289.0	289.0	289.0
145°	231.6	251.2	267.3	279.9	286.0	291.2	295.7	297.6	298.9	298.9	298.9
147.5°	246.3	263.7	278.4	290.5	295.6	301.7	305.2	306.8	308.4	307.7	308.4
150°	255.1	271.2	285.4	296.6	301.8	307.6	311.1	312.4	314.0	313.1	314.0
152.5°	263.6	278.9	291.8	302.3	306.7	312.5	316.5	317.8	318.9	318.2	318.9
155°	275.1	288.6	300.5	310.2	314.0	319.5	323.4	325.0	326.3	324.7	326.3
157.5°	285.3	297.0	307.3	316.2	320.3	325.0	328.7	330.7	331.9	331.2	331.9
160°	291.5	302.1	311.5	319.8	323.7	327.9	331.7	334.0	335.3	334.3	335.3
162.5°	296.6	306.2	315.1	322.7	326.0	329.7	334.3	336.3	337.6	336.4	337.6
165°	304.0	311.8	319.5	326.0	328.8	331.7	336.6	338.8	339.8	338.5	339.8
167.5°	309.7	315.6	321.8	327.4	329.5	332.3	337.2	339.0	340.3	338.6	340.3
170°	312.7	317.9	323.4	327.9	329.5	332.1	336.9	338.5	339.5	337.9	339.5
172.5°	315.3	319.2	323.6	327.6	328.5	330.5	335.1	336.7	337.4	336.1	337.4
175°	317.9	320.2	323.4	326.0	325.6	326.9	330.8	332.1	333.4	331.4	333.4
177.5°	319.1	320.2	321.2	322.7	321.7	321.7	324.5	325.3	325.6	324.5	325.6
180°	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	2006.3	2006.3	2006.3	2006.3	2006.3	2006.3	2006.3	2006.3	2006.3	2006.3	2006.3
2.5°	2011.3	2006.1	1998.5	1998.4	2005.5	2011.5	2013.9	2016.3	2013.9	2011.5	2005.5
5°	2018.5	2009.8	1997.9	1995.9	2004.1	2010.9	2013.9	2016.9	2013.9	2010.9	2004.1
7.5°	2017.7	2011.4	2002.4	2001.0	2007.2	2012.2	2013.5	2014.8	2013.5	2012.2	2007.2
10°	2015.6	2008.9	1999.5	1999.3	2008.2	2014.9	2014.4	2014.0	2014.4	2014.9	2008.2
12.5°	2007.5	2002.7	1995.4	1998.2	2011.3	2020.2	2016.7	2013.2	2016.7	2020.2	2011.3
15°	1981.2	1982.3	1982.3	1991.5	2009.8	2021.9	2015.1	2008.2	2015.1	2021.9	2009.8
17.5°	1933.8	1940.1	1946.7	1962.2	1986.8	2003.1	1995.0	1986.9	1995.0	2003.1	1986.8
20°	1892.3	1900.8	1911.5	1931.2	1959.8	1979.3	1971.2	1963.0	1971.2	1979.3	1959.8
22.5°	1848.9	1858.5	1870.2	1891.4	1922.1	1942.9	1934.1	1925.3	1934.1	1942.9	1922.1
25°	1779.1	1786.7	1795.3	1815.1	1846.3	1868.0	1861.2	1854.3	1861.2	1868.0	1846.3
27.5°	1678.8	1687.8	1697.5	1717.0	1746.2	1767.2	1763.5	1759.7	1763.5	1767.2	1746.2
30°	1601.7	1613.9	1626.7	1644.7	1667.8	1684.6	1682.9	1681.2	1682.9	1684.6	1667.8
32.5°	1516.8	1528.0	1540.1	1556.4	1576.7	1591.5	1589.8	1588.1	1589.8	1591.5	1576.7
35°	1366.5	1379.2	1393.3	1406.6	1419.0	1428.5	1429.3	1430.2	1429.3	1428.5	1419.0
37.5°	1186.0	1196.5	1207.7	1218.1	1228.0	1235.0	1233.8	1232.6	1233.8	1235.0	1228.0
40°	1043.0	1055.7	1072.0	1084.2	1092.3	1098.2	1097.3	1096.5	1097.3	1098.2	1092.3
42.5°	903.3	915.2	927.7	939.5	950.7	955.9	943.1	930.3	943.1	955.9	950.7
45°	676.5	697.9	712.9	720.4	720.4	710.7	671.8	632.9	671.8	710.7	720.4
47.5°	398.6	444.4	488.9	499.1	475.1	446.0	401.7	357.4	401.7	446.0	475.1
50°	239.2	289.5	351.1	362.0	322.2	284.9	255.0	225.1	255.0	284.9	322.2
52.5°	168.8	210.0	262.0	267.1	225.3	190.1	174.9	159.7	174.9	190.1	225.3
55°	104.9	123.4	146.9	148.2	127.3	110.2	104.6	99.1	104.6	110.2	127.3
57.5°	70.4	77.9	86.1	86.1	77.9	70.3	64.6	58.9	64.6	70.3	77.9
60°	46.0	53.5	62.1	62.9	56.1	49.8	45.1	40.4	45.1	49.8	56.1
62.5°	36.7	42.3	49.1	49.6	43.8	38.9	37.0	35.0	37.0	38.9	43.8
65°	30.6	31.4	32.3	32.5	32.1	31.6	31.2	30.8	31.2	31.6	32.1
67.5°	26.9	27.2	27.3	27.5	27.8	28.0	27.6	27.1	27.6	28.0	27.8
70°	23.9	24.4	24.8	25.0	25.0	24.9	24.5	24.0	24.5	24.9	25.0
72.5°	21.5	21.8	21.9	22.1	22.4	22.6	22.2	21.7	22.2	22.6	22.4
75°	17.2	17.6	18.1	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3
77.5°	13.7	13.8	13.8	14.1	14.5	14.7	14.3	13.8	14.3	14.7	14.5
80°	11.4	11.5	11.5	11.8	12.2	12.4	12.0	11.5	12.0	12.4	12.2
82.5°	9.1	9.2	9.2	9.3	9.4	9.4	9.3	9.2	9.3	9.4	9.4
85°	4.8	4.8	4.8	5.0	5.5	5.8	5.8	5.8	5.8	5.8	5.5
87.5°	2.9	2.8	2.8	2.9	3.1	3.0	2.3	1.7	2.3	2.9	3.2
90°	6.8	6.4	6.4	6.1	5.2	3.9	2.3	1.0	2.3	3.5	5.8
92.5°	8.1	8.0	7.5	6.9	5.7	5.7	5.6	3.5	6.1	8.7	12.5
95°	7.4	7.4	8.7	11.0	16.1	16.4	11.0	10.0	14.2	20.0	25.1
97.5°	20.0	23.8	29.2	30.3	28.7	21.4	20.5	19.1	26.0	31.7	40.0
100°	37.0	41.9	45.7	38.0	30.0	29.6	27.7	27.1	34.5	39.9	48.0
102.5°	57.9	59.4	46.0	41.6	39.7	38.4	35.4	35.0	42.5	50.0	56.8
105°	62.8	56.4	56.7	56.7	55.4	52.8	47.3	47.0	55.4	64.1	72.5
107.5°	73.9	74.9	76.5	76.1	74.7	67.8	61.3	59.8	67.4	77.8	87.0
110°	88.6	89.5	90.2	89.5	87.3	78.6	70.9	68.6	75.4	86.3	96.3



TEST NUMBER: P1428506

CATALOG NUMBER: SQ2W-WBM-K-025U-075D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	102.7	103.5	104.9	102.9	99.1	89.2	80.4	77.1	83.9	95.1	105.3
115°	125.3	125.3	125.6	124.6	116.9	106.6	95.0	90.2	96.0	106.3	117.6
117.5°	147.5	147.8	146.5	144.0	135.0	123.0	110.0	102.3	106.9	117.8	129.3
120°	161.4	162.0	160.7	156.9	148.2	134.6	119.8	110.8	114.3	125.0	136.6
122.5°	175.8	175.7	174.1	169.7	159.5	145.5	130.9	119.8	121.3	131.2	142.5
125°	195.8	195.5	194.2	189.1	178.4	163.9	146.9	133.3	131.4	139.8	151.4
127.5°	214.9	214.2	212.2	205.9	195.1	181.1	162.3	147.0	142.7	148.0	158.6
130°	228.0	227.1	223.5	216.8	206.1	192.9	173.9	156.5	150.4	153.6	163.0
132.5°	240.7	237.9	234.9	227.6	217.7	204.0	184.7	166.6	158.1	159.6	166.8
135°	256.7	254.1	250.3	243.2	233.8	220.3	201.0	181.3	169.7	168.5	172.6
137.5°	270.8	268.1	263.7	257.6	248.2	236.2	217.6	196.9	182.2	177.9	179.5
140°	279.6	276.3	272.5	266.4	258.0	245.4	227.4	207.4	191.0	184.9	183.9
142.5°	286.8	284.3	280.2	274.6	267.3	254.7	237.2	217.5	200.0	192.1	189.8
145°	297.6	295.7	291.2	286.0	279.9	267.3	251.2	231.6	214.2	203.9	199.0
147.5°	306.8	305.2	301.7	295.6	290.5	278.4	263.7	246.3	228.5	215.7	209.5
150°	312.4	311.1	307.6	301.8	296.6	285.4	271.2	255.1	238.0	224.5	216.4
152.5°	317.8	316.5	312.5	306.7	302.3	291.8	278.9	263.6	246.3	232.7	224.4
155°	325.0	323.4	319.5	314.0	310.2	300.5	288.6	275.1	260.2	246.1	236.7
157.5°	330.7	328.7	325.0	320.3	316.2	307.3	297.0	285.3	272.4	258.8	249.3
160°	334.0	331.7	327.9	323.7	319.8	311.5	302.1	291.5	279.6	267.3	257.0
162.5°	336.3	334.3	329.7	326.0	322.7	315.1	306.2	296.6	286.0	275.3	265.8
165°	338.8	336.6	331.7	328.8	326.0	319.5	311.8	304.0	295.0	286.3	278.6
167.5°	339.0	337.2	332.3	329.5	327.4	321.8	315.6	309.7	302.6	295.8	289.4
170°	338.5	336.9	332.1	329.5	327.9	323.4	317.9	312.7	307.3	301.5	296.3
172.5°	336.7	335.1	330.5	328.5	327.6	323.6	319.2	315.3	310.6	306.4	302.2
175°	332.1	330.8	326.9	325.6	326.0	323.4	320.2	317.9	315.0	312.4	310.2
177.5°	325.3	324.5	321.7	321.7	322.7	321.2	320.2	319.1	317.8	317.1	316.3
180°	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9



TEST NUMBER: P1428506

CATALOG NUMBER: SQ2W-WBM-K-025U-075D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2006.3	2006.3	2006.3	2006.3	2006.3	2006.3	2006.3	2006.3	2006.3	2006.3	2006.3
2.5°	1998.4	1998.5	2006.1	2011.3	2009.6	2007.9	2009.6	2011.3	2006.1	1998.5	1998.4
5°	1995.9	1997.9	2009.8	2018.5	2017.2	2015.9	2017.2	2018.5	2009.8	1997.9	1995.9
7.5°	2001.0	2002.4	2011.4	2017.7	2015.8	2013.8	2015.8	2017.7	2011.4	2002.4	2001.0
10°	1999.3	1999.5	2008.9	2015.6	2014.3	2013.0	2014.3	2015.6	2008.9	1999.5	1999.3
12.5°	1998.2	1995.4	2002.7	2007.5	2004.5	2001.5	2004.5	2007.5	2002.7	1995.4	1998.2
15°	1991.5	1982.3	1982.3	1981.2	1976.9	1972.6	1976.9	1981.2	1982.3	1982.3	1991.5
17.5°	1962.2	1946.7	1940.1	1933.8	1928.6	1923.4	1928.6	1933.8	1940.1	1946.7	1962.2
20°	1931.2	1911.5	1900.8	1892.3	1890.1	1888.0	1890.1	1892.3	1900.8	1911.5	1931.2
22.5°	1891.4	1870.2	1858.5	1848.9	1845.3	1841.8	1845.3	1848.9	1858.5	1870.2	1891.4
25°	1815.1	1795.3	1786.7	1779.1	1774.4	1769.7	1774.4	1779.1	1786.7	1795.3	1815.1
27.5°	1717.0	1697.5	1687.8	1678.8	1672.3	1665.8	1672.3	1678.8	1687.8	1697.5	1717.0
30°	1644.7	1626.7	1613.9	1601.7	1591.5	1581.2	1591.5	1601.7	1613.9	1626.7	1644.7
32.5°	1556.4	1540.1	1528.0	1516.8	1508.6	1500.4	1508.6	1516.8	1528.0	1540.1	1556.4
35°	1406.6	1393.3	1379.2	1366.5	1358.0	1349.4	1358.0	1366.5	1379.2	1393.3	1406.6
37.5°	1218.1	1207.7	1196.5	1186.0	1177.4	1168.8	1177.4	1186.0	1196.5	1207.7	1218.1
40°	1084.2	1072.0	1055.7	1043.0	1040.9	1038.7	1040.9	1043.0	1055.7	1072.0	1084.2
42.5°	939.5	927.7	915.2	903.3	893.3	883.3	893.3	903.3	915.2	927.7	939.5
45°	720.4	712.9	697.9	676.5	635.4	594.4	635.4	676.5	697.9	712.9	720.4
47.5°	499.1	488.9	444.4	398.6	348.8	298.9	348.8	398.6	444.4	488.9	499.1
50°	362.0	351.1	289.5	239.2	222.5	205.8	222.5	239.2	289.5	351.1	362.0
52.5°	267.1	262.0	210.0	168.8	160.0	151.2	160.0	168.8	210.0	262.0	267.1
55°	148.2	146.9	123.4	104.9	101.5	98.1	101.5	104.9	123.4	146.9	148.2
57.5°	86.1	86.1	77.9	70.4	65.0	59.6	65.0	70.4	77.9	86.1	86.1
60°	62.9	62.1	53.5	46.0	41.3	36.5	41.3	46.0	53.5	62.1	62.9
62.5°	49.6	49.1	42.3	36.7	35.1	33.5	35.1	36.7	42.3	49.1	49.6
65°	32.5	32.3	31.4	30.6	29.7	28.9	29.7	30.6	31.4	32.3	32.5
67.5°	27.5	27.3	27.2	26.9	26.2	25.4	26.2	26.9	27.2	27.3	27.5
70°	25.0	24.8	24.4	23.9	23.5	23.1	23.5	23.9	24.4	24.8	25.0
72.5°	22.1	21.9	21.8	21.5	20.8	20.0	20.8	21.5	21.8	21.9	22.1
75°	18.3	18.1	17.6	17.2	16.8	16.4	16.8	17.2	17.6	18.1	18.3
77.5°	14.1	13.8	13.8	13.7	13.3	12.9	13.3	13.7	13.8	13.8	14.1
80°	11.8	11.5	11.5	11.4	11.0	10.6	11.0	11.4	11.5	11.5	11.8
82.5°	9.3	9.2	9.2	9.1	8.7	8.3	8.7	9.1	9.2	9.2	9.3
85°	5.0	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	5.0
87.5°	3.2	3.5	3.9	4.2	4.4	4.3	4.4	4.2	3.9	3.5	3.2
90°	7.4	9.7	11.9	13.2	14.5	13.8	14.5	13.2	11.9	9.7	7.4
92.5°	14.9	18.7	21.5	23.8	24.8	24.7	24.8	23.8	21.5	18.7	14.9
95°	30.0	34.5	39.0	42.2	44.1	43.5	44.1	42.2	39.0	34.5	30.0
97.5°	46.2	52.2	57.3	60.3	62.2	63.5	62.2	60.3	57.3	52.2	46.2
100°	57.0	62.8	68.6	72.1	75.4	76.7	75.4	72.1	68.6	62.8	57.0
102.5°	65.8	73.4	79.7	83.5	86.2	87.5	86.2	83.5	79.7	73.4	65.8
105°	80.2	88.3	95.0	99.8	102.7	103.7	102.7	99.8	95.0	88.3	80.2
107.5°	94.6	102.9	109.2	114.5	118.1	120.1	118.1	114.5	109.2	102.9	94.6
110°	106.0	112.7	119.5	124.3	127.9	129.2	127.9	124.3	119.5	112.7	106.0



TEST NUMBER: P1428506

CATALOG NUMBER: SQ2W-WBM-K-025U-075D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	115.5	123.0	129.8	134.6	138.7	140.5	138.7	134.6	129.8	123.0	115.5
115°	128.8	138.8	144.9	149.4	152.3	154.0	152.3	149.4	144.9	138.8	128.8
117.5°	139.9	150.3	157.0	160.5	161.9	163.0	161.9	160.5	157.0	150.3	139.9
120°	146.9	156.5	164.3	168.8	170.4	171.0	170.4	168.8	164.3	156.5	146.9
122.5°	153.3	162.5	169.9	175.5	178.1	178.8	178.1	175.5	169.9	162.5	153.3
125°	162.3	171.0	178.8	184.2	187.1	188.7	187.1	184.2	178.8	171.0	162.3
127.5°	170.2	179.6	186.7	191.6	194.5	195.8	194.5	191.6	186.7	179.6	170.2
130°	174.6	184.2	191.3	196.8	199.4	200.7	199.4	196.8	191.3	184.2	174.6
132.5°	177.9	188.1	195.4	200.4	203.2	204.5	203.2	200.4	195.4	188.1	177.9
135°	182.0	192.6	200.3	205.2	207.7	209.0	207.7	205.2	200.3	192.6	182.0
137.5°	185.5	195.2	203.2	208.3	210.6	211.5	210.6	208.3	203.2	195.2	185.5
140°	188.1	196.5	204.5	209.4	211.9	212.3	211.9	209.4	204.5	196.5	188.1
142.5°	191.4	198.0	205.0	209.9	212.4	213.0	212.4	209.9	205.0	198.0	191.4
145°	197.4	201.3	206.1	210.6	212.9	213.5	212.9	210.6	206.1	201.3	197.4
147.5°	205.0	206.2	208.7	211.7	213.9	214.3	213.9	211.7	208.7	206.2	205.0
150°	210.6	210.3	211.3	213.2	215.2	214.8	215.2	213.2	211.3	210.3	210.6
152.5°	217.1	215.2	215.2	216.1	217.0	216.9	217.0	216.1	215.2	215.2	217.1
155°	228.0	224.5	222.6	221.9	221.9	221.6	221.9	221.9	222.6	224.5	228.0
157.5°	240.1	235.1	232.2	230.7	230.2	229.5	230.2	230.7	232.2	235.1	240.1
160°	248.3	242.9	240.0	237.4	236.4	235.4	236.4	237.4	240.0	242.9	248.3
162.5°	256.1	250.8	247.7	245.4	244.4	242.9	244.4	245.4	247.7	250.8	256.1
165°	268.6	263.1	259.6	257.7	256.4	255.1	256.4	257.7	259.6	263.1	268.6
167.5°	281.2	275.2	272.9	270.7	269.5	267.1	269.5	270.7	272.9	275.2	281.2
170°	288.9	283.4	282.1	280.2	278.0	275.4	278.0	280.2	282.1	283.4	288.9
172.5°	295.6	291.9	290.6	288.7	288.0	285.9	288.0	288.7	290.6	291.9	295.6
175°	305.3	302.4	302.4	302.1	301.1	299.2	301.1	302.1	302.4	302.4	305.3
177.5°	313.5	311.9	312.9	312.9	312.7	310.9	312.7	312.9	312.9	311.9	313.5
180°	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9



TEST NUMBER: P1428506

CATALOG NUMBER: SQ2W-WBM-K-025U-075D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	2006.3	2006.3	2006.3	2006.3
2.5°	2005.5	2011.5	2013.9	2016.3
5°	2004.1	2010.9	2013.9	2016.9
7.5°	2007.2	2012.2	2013.5	2014.8
10°	2008.2	2014.9	2014.4	2014.0
12.5°	2011.3	2020.2	2016.7	2013.2
15°	2009.8	2021.9	2015.1	2008.2
17.5°	1986.8	2003.1	1995.0	1986.9
20°	1959.8	1979.3	1971.2	1963.0
22.5°	1922.1	1942.9	1934.1	1925.3
25°	1846.3	1868.0	1861.2	1854.3
27.5°	1746.2	1767.2	1763.5	1759.7
30°	1667.8	1684.6	1682.9	1681.2
32.5°	1576.7	1591.5	1589.8	1588.1
35°	1419.0	1428.5	1429.3	1430.2
37.5°	1228.0	1235.0	1233.8	1232.6
40°	1092.3	1098.2	1097.3	1096.5
42.5°	950.7	955.9	943.1	930.3
45°	720.4	710.7	671.8	632.9
47.5°	475.1	446.0	401.7	357.4
50°	322.2	284.9	255.0	225.1
52.5°	225.3	190.1	174.9	159.7
55°	127.3	110.2	104.6	99.1
57.5°	77.9	70.3	64.6	58.9
60°	56.1	49.8	45.1	40.4
62.5°	43.8	38.9	37.0	35.0
65°	32.1	31.6	31.2	30.8
67.5°	27.8	28.0	27.6	27.1
70°	25.0	24.9	24.5	24.0
72.5°	22.4	22.6	22.2	21.7
75°	18.3	18.3	18.3	18.3
77.5°	14.5	14.7	14.3	13.8
80°	12.2	12.4	12.0	11.5
82.5°	9.4	9.4	9.3	9.2
85°	5.5	5.8	5.8	5.8
87.5°	3.2	2.9	2.3	1.7
90°	5.8	3.5	2.3	1.0
92.5°	12.5	8.7	6.1	3.5
95°	25.1	20.0	14.2	10.0
97.5°	40.0	31.7	26.0	19.1
100°	48.0	39.9	34.5	27.1
102.5°	56.8	50.0	42.5	35.0
105°	72.5	64.1	55.4	47.0
107.5°	87.0	77.8	67.4	59.8
110°	96.3	86.3	75.4	68.6



TEST NUMBER: P1428506

CATALOG NUMBER: SQ2W-WBM-K-025U-075D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	105.3	95.1	83.9	77.1
115°	117.6	106.3	96.0	90.2
117.5°	129.3	117.8	106.9	102.3
120°	136.6	125.0	114.3	110.8
122.5°	142.5	131.2	121.3	119.8
125°	151.4	139.8	131.4	133.3
127.5°	158.6	148.0	142.7	147.0
130°	163.0	153.6	150.4	156.5
132.5°	166.8	159.6	158.1	166.6
135°	172.6	168.5	169.7	181.3
137.5°	179.5	177.9	182.2	196.9
140°	183.9	184.9	191.0	207.4
142.5°	189.8	192.1	200.0	217.5
145°	199.0	203.9	214.2	231.6
147.5°	209.5	215.7	228.5	246.3
150°	216.4	224.5	238.0	255.1
152.5°	224.4	232.7	246.3	263.6
155°	236.7	246.1	260.2	275.1
157.5°	249.3	258.8	272.4	285.3
160°	257.0	267.3	279.6	291.5
162.5°	265.8	275.3	286.0	296.6
165°	278.6	286.3	295.0	304.0
167.5°	289.4	295.8	302.6	309.7
170°	296.3	301.5	307.3	312.7
172.5°	302.2	306.4	310.6	315.3
175°	310.2	312.4	315.0	317.9
177.5°	316.3	317.1	317.8	319.1
180°	318.9	318.9	318.9	318.9



TEST NUMBER: P1428506
 CATALOG NUMBER: SQ2W-WBM-K-025U-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	6.37	7.27	7.09	7.98	8.82	6.35	7.26	7.07	7.97	8.80
	3H	7.07	7.87	7.80	8.59	9.46	6.99	7.79	7.72	8.51	9.38
	4H	7.44	8.19	8.19	8.92	9.80	7.30	8.05	8.05	8.78	9.66
	6H	7.72	8.40	8.48	9.14	10.04	7.54	8.22	8.30	8.96	9.86
	8H	7.84	8.48	8.61	9.24	10.14	7.64	8.29	8.41	9.04	9.94
	12H	7.92	8.54	8.70	9.29	10.21	7.70	8.31	8.47	9.06	9.98
4H	2H	6.48	7.23	7.23	7.96	8.84	6.47	7.21	7.22	7.94	8.83
	3H	7.43	8.04	8.20	8.81	9.71	7.35	7.96	8.11	8.73	9.62
	4H	7.94	8.49	8.72	9.26	10.19	7.80	8.34	8.57	9.11	10.04
	6H	8.38	8.84	9.17	9.64	10.58	8.17	8.64	8.97	9.44	10.38
	8H	8.56	9.00	9.36	9.79	10.73	8.34	8.78	9.14	9.56	10.51
	12H	8.69	9.08	9.51	9.89	10.84	8.43	8.82	9.25	9.63	10.58
8H	4H	8.07	8.50	8.86	9.29	10.24	7.93	8.37	8.73	9.15	10.10
	6H	8.64	9.00	9.47	9.83	10.78	8.45	8.80	9.27	9.64	10.58
	8H	8.93	9.24	9.76	10.08	11.04	8.71	9.02	9.55	9.86	10.82
	12H	9.15	9.43	9.98	10.25	11.27	8.88	9.16	9.71	9.98	11.00
12H	4H	8.05	8.44	8.86	9.25	10.20	7.92	8.31	8.73	9.12	10.07
	6H	8.67	8.99	9.51	9.82	10.79	8.49	8.80	9.32	9.64	10.60
	8H	9.00	9.28	9.84	10.10	11.13	8.79	9.07	9.63	9.89	10.92