

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: P1428647

Luminaire Tested: SQ2W-WBN-K-150U-050D-L930-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428647
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G3-2308-130-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-WBN-K-150U-050D-L930-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - WHITE DISCREET BAFFLE, NARROW 35-DEGREE OPTIC
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 500 LUMENS PER FOOT
UPLIGHT 1500 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

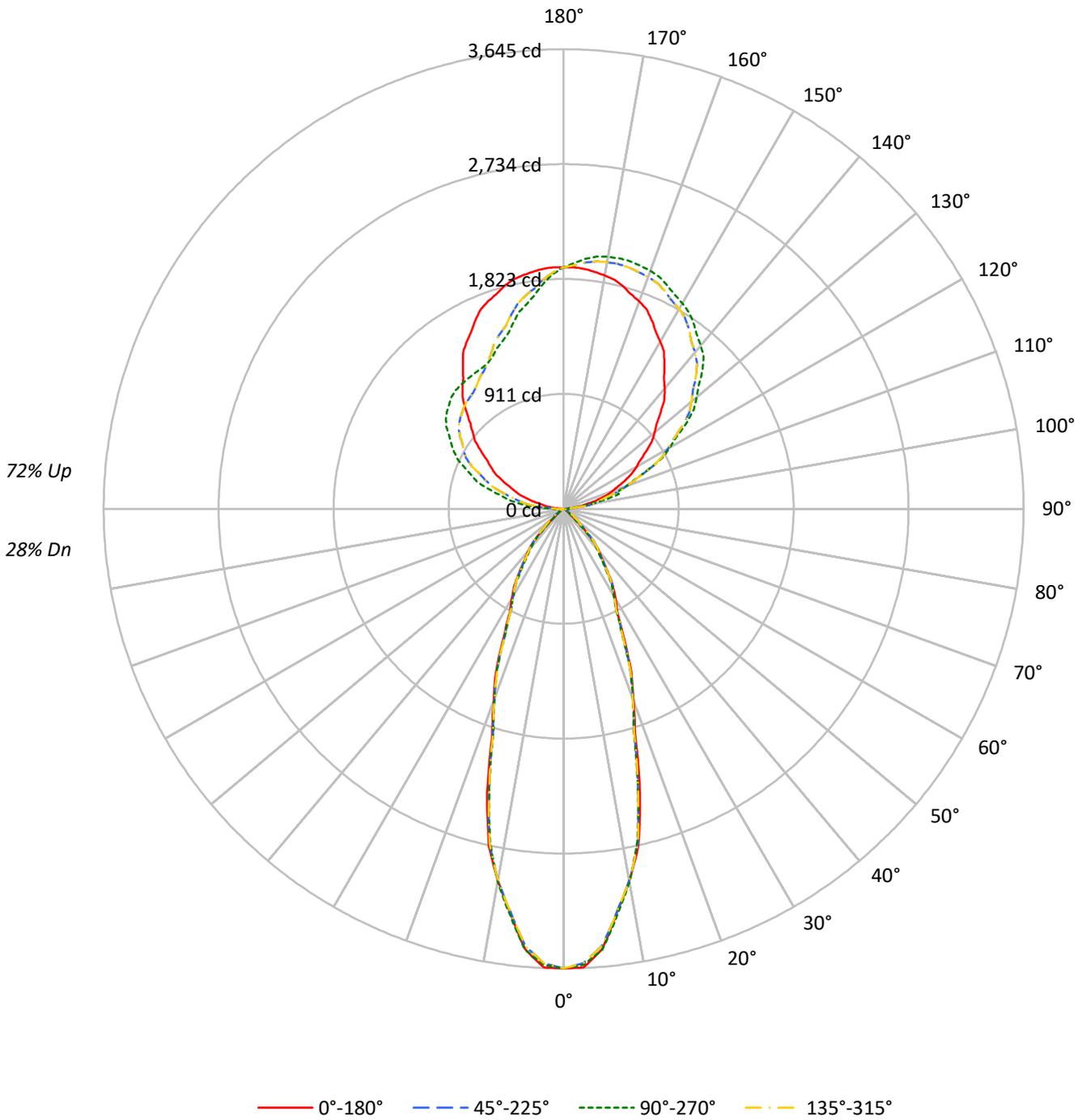
Lumens per Lamp: N/A
Luminaire Lumens: 7716.9 lumens
Efficiency: N/A
Efficacy: 105.4 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.63
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 73.2
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	50	30	10	0	
RCR																						
0	102	102	102	102	91	91	91	91	71	71	71	52	52	52	35	35	35	28				
1	94	90	87	84	84	81	78	76	64	62	60	48	47	46	33	33	32	26				
2	87	80	75	71	78	72	68	65	57	55	52	44	42	41	31	30	29	24				
3	80	72	66	61	72	65	60	56	52	49	46	40	38	36	29	28	27	22				
4	74	65	58	53	67	59	53	49	47	44	41	37	34	33	27	26	25	21				
5	69	59	52	47	62	53	48	43	43	39	36	34	31	29	25	24	23	19				
6	64	53	46	41	58	49	43	38	40	36	33	32	29	27	24	22	21	18				
7	60	49	42	37	54	45	39	35	37	33	30	29	27	25	22	21	20	17				
8	56	45	38	34	50	41	35	31	34	30	27	27	25	23	21	20	18	16				
9	52	41	35	30	47	38	32	29	32	28	25	26	23	21	20	18	17	15				
10	49	38	32	28	44	35	30	26	30	26	23	24	21	20	19	17	16	14				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	58854	58854	58854	58854
5°	56824	56887	56824	56887
10°	49117	49233	49117	49233
15°	39085	38003	39085	38003
20°	27766	27599	27766	27599
25°	19976	19445	19976	19445
30°	15263	14816	15263	14816
35°	11982	11471	11982	11471
40°	9078	8519	9078	8519
45°	5078	4532	5078	4532
50°	1786	1575	1786	1575
55°	1092	1039	1092	1039
60°	836	772	836	772
65°	764	718	764	718
70°	732	670	732	670
75°	686	643	686	643
80°	604	604	604	604
85°	593	482	593	482

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 260°
 Vertical Angle: 87.5°
 Luminance: 6811 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	316.4	4.1
10°-20°	628.9	8.1
20°-30°	520.8	6.7
30°-40°	374.7	4.9
40°-50°	190.9	2.5
50°-60°	49.6	0.6
60°-70°	20.6	0.3
70°-80°	11.4	0.1
80°-90°	11.3	0.1
90°-100°	152.4	2.0
100°-110°	444.5	5.8
110°-120°	725.4	9.4
120°-130°	920.5	11.9
130°-140°	985.0	12.8
140°-150°	919.8	11.9
150°-160°	756.8	9.8
160°-170°	507.6	6.6
170°-180°	180.2	2.3
0°-30°	1466.1	19.0
0°-40°	1840.8	23.9
0°-60°	2081.2	27.0
0°-90°	2124.6	27.5
90°-120°	1322.4	17.1
90°-150°	4147.7	53.7
90°-180°	5592.0	72.5
0°-180°	7716.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3645	3645	3645	3645	3645	
5°	3506	3510	3506	3510	3506	316
15°	2338	2274	2338	2274	2338	635
25°	1121	1092	1121	1092	1121	527
35°	608	582	608	582	608	381
45°	222	198	222	198	222	178
55°	39	37	39	37	39	38
65°	20	19	20	19	20	20
75°	11	10	11	10	11	12
85°	3	3	3	3	3	4
90°	6	43	6	83	6	5
95°	60	44	60	261	60	72
105°	282	453	282	623	282	300
115°	542	751	542	925	542	534
125°	801	1190	801	1134	801	717
135°	1089	1557	1089	1256	1089	842
145°	1391	1795	1391	1283	1391	870
155°	1652	1950	1652	1331	1652	759
165°	1826	2033	1826	1532	1826	514
175°	1910	1991	1910	1797	1910	181
180°	1915	1915	1915	1915	1915	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	3645.2	3645.2	3645.2	3645.2	3645.2	3645.2	3645.2	3645.2	3645.2	3645.2	3645.2
2.5°	3639.5	3636.7	3634.0	3621.7	3606.3	3605.0	3617.9	3626.8	3623.6	3620.3	3623.6
5°	3506.1	3503.8	3501.5	3491.1	3477.8	3482.4	3504.8	3520.4	3515.2	3510.0	3515.2
7.5°	3230.8	3232.8	3234.7	3229.3	3221.5	3227.5	3247.4	3260.8	3255.3	3249.8	3255.3
10°	2995.9	3001.1	3006.3	2999.0	2987.5	2996.2	3025.2	3042.1	3022.6	3003.0	3022.6
12.5°	2736.8	2733.4	2730.1	2723.4	2715.6	2714.0	2718.6	2719.4	2708.6	2697.8	2708.6
15°	2338.3	2326.2	2314.1	2295.6	2274.9	2268.2	2275.3	2279.9	2276.8	2273.6	2276.8
17.5°	1883.4	1888.1	1892.7	1880.2	1861.9	1852.4	1851.7	1850.3	1846.8	1843.2	1846.8
20°	1616.0	1617.4	1618.9	1611.0	1600.1	1597.5	1603.3	1607.4	1606.9	1606.3	1606.9
22.5°	1400.8	1401.1	1401.3	1391.0	1377.1	1374.4	1382.9	1388.0	1382.8	1377.6	1382.8
25°	1121.3	1120.4	1119.6	1112.7	1103.8	1097.2	1092.8	1089.8	1090.7	1091.5	1090.7
27.5°	919.5	916.0	912.4	906.5	899.9	898.0	900.8	902.5	900.3	898.2	900.3
30°	818.7	815.8	812.9	807.0	800.1	797.5	799.3	799.9	797.3	794.7	797.3
32.5°	728.1	728.2	728.4	723.0	715.9	711.9	711.1	710.1	708.2	706.3	708.2
35°	607.9	609.6	611.3	607.0	600.7	595.3	591.0	587.2	584.6	582.0	584.6
37.5°	500.5	502.1	503.7	500.1	494.8	488.9	482.6	477.3	475.1	473.0	475.1
40°	430.7	431.8	433.0	430.5	426.7	421.1	413.6	407.6	405.9	404.2	405.9
42.5°	354.6	359.5	364.3	362.7	358.9	353.6	346.6	340.4	336.6	332.8	336.6
45°	222.4	237.7	252.9	259.7	263.8	261.9	254.1	242.8	220.7	198.5	220.7
47.5°	112.5	133.6	154.7	169.9	183.0	178.8	157.3	135.7	113.9	92.2	113.9
50°	71.1	85.8	100.4	119.0	138.8	134.5	106.1	82.3	72.5	62.7	72.5
52.5°	54.6	62.1	69.6	87.3	108.2	106.2	81.2	61.1	55.7	50.3	55.7
55°	38.8	41.7	44.5	54.3	66.4	65.7	52.2	41.5	39.2	36.9	39.2
57.5°	30.0	31.6	33.2	36.9	41.2	40.8	35.7	31.5	30.0	28.6	30.0
60°	25.9	27.0	28.2	30.0	32.0	31.7	29.1	26.8	25.4	23.9	25.4
62.5°	23.3	24.0	24.7	25.5	26.3	25.9	24.3	22.9	22.4	21.9	22.4
65°	20.0	20.3	20.6	20.7	20.7	20.4	19.8	19.3	19.0	18.8	19.0
67.5°	17.1	17.4	17.6	17.7	17.6	17.4	17.2	16.9	16.6	16.3	16.6
70°	15.5	15.8	16.1	16.0	15.7	15.4	15.1	14.8	14.5	14.2	14.5
72.5°	13.5	13.7	14.0	13.9	13.6	13.4	13.4	13.2	13.0	12.7	13.0
75°	11.0	11.0	11.0	11.0	11.0	10.8	10.6	10.3	10.3	10.3	10.3
77.5°	8.5	8.6	8.7	8.4	8.2	8.0	8.0	8.0	7.7	7.5	7.7
80°	6.5	6.8	7.0	6.9	6.6	6.5	6.5	6.5	6.5	6.5	6.5
82.5°	5.4	5.5	5.5	5.3	5.1	4.9	4.9	4.9	4.9	4.9	4.9
85°	3.2	3.2	3.2	3.0	2.7	2.7	3.0	3.2	2.9	2.6	2.9
87.5°	2.2	3.7	5.7	7.2	8.4	8.8	8.8	9.2	9.5	9.5	9.5
90°	5.8	13.5	23.2	31.0	36.8	38.7	38.7	40.6	42.6	42.6	42.6
92.5°	21.3	33.7	34.0	34.0	41.4	44.9	48.0	48.4	50.3	50.3	50.3
95°	60.0	65.8	98.7	96.7	65.8	52.2	44.5	44.5	44.5	44.5	44.5
97.5°	114.5	123.0	128.5	172.2	181.9	175.7	143.2	120.3	107.6	101.8	107.6
100°	162.5	166.4	178.0	179.9	228.3	274.7	251.5	222.5	212.8	207.0	212.8
102.5°	210.5	212.8	230.6	238.7	250.0	276.3	356.7	347.8	341.3	340.1	341.3
105°	282.5	284.4	317.3	332.8	340.5	340.5	338.6	377.3	439.2	452.7	439.2
107.5°	359.5	368.4	407.0	448.4	457.3	459.7	449.6	443.8	441.5	443.0	441.5
110°	412.1	425.6	472.1	524.3	537.8	541.7	537.8	532.0	528.2	528.2	528.2

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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	463.2	482.9	535.5	595.5	618.3	629.9	621.4	617.2	613.3	616.4	613.3
115°	541.7	570.7	640.4	702.3	748.7	754.5	752.6	752.6	750.6	750.6	750.6
117.5°	614.4	660.9	739.0	811.0	864.8	880.3	888.0	885.7	883.4	887.2	883.4
120°	665.5	719.7	808.7	889.9	942.2	965.4	973.1	969.3	973.1	969.3	973.1
122.5°	719.7	786.2	873.7	958.0	1019.6	1045.9	1055.2	1055.9	1056.7	1054.4	1056.7
125°	800.9	882.2	984.7	1071.8	1135.6	1166.6	1174.3	1176.3	1180.1	1189.8	1180.1
127.5°	883.0	975.1	1087.7	1171.6	1237.0	1274.5	1286.5	1290.8	1298.9	1303.2	1298.9
130°	940.2	1044.7	1158.8	1238.2	1302.0	1342.6	1363.9	1369.7	1379.4	1377.5	1379.4
132.5°	1000.6	1109.7	1225.4	1307.8	1367.0	1410.7	1428.9	1445.6	1449.0	1451.8	1449.0
135°	1089.2	1207.2	1323.3	1404.5	1460.7	1503.2	1526.4	1541.9	1551.6	1557.4	1551.6
137.5°	1182.5	1307.0	1418.5	1490.8	1547.3	1584.1	1610.4	1626.6	1636.7	1641.3	1636.7
140°	1245.9	1365.9	1474.2	1549.6	1599.9	1636.7	1659.9	1679.3	1690.9	1690.9	1690.9
142.5°	1306.3	1424.7	1529.9	1605.4	1649.5	1683.1	1707.9	1722.6	1735.8	1735.8	1735.8
145°	1391.0	1509.0	1605.8	1681.2	1718.0	1748.9	1776.0	1787.6	1795.3	1795.3	1795.3
147.5°	1479.6	1584.1	1672.3	1744.7	1775.6	1812.0	1833.3	1842.6	1852.2	1848.0	1852.2
150°	1532.2	1629.0	1714.1	1781.8	1812.8	1847.6	1868.9	1876.6	1886.3	1880.5	1886.3
152.5°	1583.3	1675.4	1752.8	1815.9	1842.2	1877.0	1901.4	1909.1	1915.7	1911.4	1915.7
155°	1652.2	1733.4	1805.0	1863.1	1886.3	1919.2	1942.4	1952.1	1959.8	1950.1	1959.8
157.5°	1713.7	1783.7	1846.0	1899.4	1924.2	1952.4	1974.1	1986.1	1993.8	1989.6	1993.8
160°	1750.8	1814.7	1870.8	1921.1	1944.3	1969.5	1992.7	2006.2	2014.0	2008.2	2014.0
162.5°	1781.8	1839.5	1892.5	1938.1	1958.2	1980.3	2008.2	2020.2	2027.9	2020.5	2027.9
165°	1826.3	1872.7	1919.2	1957.9	1975.3	1992.7	2021.7	2035.2	2041.0	2033.3	2041.0
167.5°	1860.0	1895.6	1933.1	1966.4	1979.1	1996.2	2025.2	2036.4	2043.8	2034.1	2043.8
170°	1878.5	1909.5	1942.4	1969.5	1979.1	1994.6	2023.6	2033.3	2039.1	2029.4	2039.1
172.5°	1894.0	1917.2	1943.9	1967.9	1972.9	1985.3	2012.8	2022.5	2026.7	2018.6	2026.7
175°	1909.5	1923.0	1942.4	1957.9	1955.9	1963.7	1986.9	1994.6	2002.4	1990.7	2002.4
177.5°	1916.8	1923.0	1929.2	1938.5	1932.3	1932.3	1949.3	1954.0	1955.5	1949.3	1955.5
180°	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	3645.2	3645.2	3645.2	3645.2	3645.2	3645.2	3645.2	3645.2	3645.2	3645.2	3645.2
2.5°	3626.8	3617.9	3605.0	3606.3	3621.7	3634.0	3636.7	3639.5	3636.7	3634.0	3621.7
5°	3520.4	3504.8	3482.4	3477.8	3491.1	3501.5	3503.8	3506.1	3503.8	3501.5	3491.1
7.5°	3260.8	3247.4	3227.5	3221.5	3229.3	3234.7	3232.8	3230.8	3232.8	3234.7	3229.3
10°	3042.1	3025.2	2996.2	2987.5	2999.0	3006.3	3001.1	2995.9	3001.1	3006.3	2999.0
12.5°	2719.4	2718.6	2714.0	2715.6	2723.4	2730.1	2733.4	2736.8	2733.4	2730.1	2723.4
15°	2279.9	2275.3	2268.2	2274.9	2295.6	2314.1	2326.2	2338.3	2326.2	2314.1	2295.6
17.5°	1850.3	1851.7	1852.4	1861.9	1880.2	1892.7	1888.1	1883.4	1888.1	1892.7	1880.2
20°	1607.4	1603.3	1597.5	1600.1	1611.0	1618.9	1617.4	1616.0	1617.4	1618.9	1611.0
22.5°	1388.0	1382.9	1374.4	1377.1	1391.0	1401.3	1401.1	1400.8	1401.1	1401.3	1391.0
25°	1089.8	1092.8	1097.2	1103.8	1112.7	1119.6	1120.4	1121.3	1120.4	1119.6	1112.7
27.5°	902.5	900.8	898.0	899.9	906.5	912.4	916.0	919.5	916.0	912.4	906.5
30°	799.9	799.3	797.5	800.1	807.0	812.9	815.8	818.7	815.8	812.9	807.0
32.5°	710.1	711.1	711.9	715.9	723.0	728.4	728.2	728.1	728.2	728.4	723.0
35°	587.2	591.0	595.3	600.7	607.0	611.3	609.6	607.9	609.6	611.3	607.0
37.5°	477.3	482.6	488.9	494.8	500.1	503.7	502.1	500.5	502.1	503.7	500.1
40°	407.6	413.6	421.1	426.7	430.5	433.0	431.8	430.7	431.8	433.0	430.5
42.5°	340.4	346.6	353.6	358.9	362.7	364.3	359.5	354.6	359.5	364.3	362.7
45°	242.8	254.1	261.9	263.8	259.7	252.9	237.7	222.4	237.7	252.9	259.7
47.5°	135.7	157.3	178.8	183.0	169.9	154.7	133.6	112.5	133.6	154.7	169.9
50°	82.3	106.1	134.5	138.8	119.0	100.4	85.8	71.1	85.8	100.4	119.0
52.5°	61.1	81.2	106.2	108.2	87.3	69.6	62.1	54.6	62.1	69.6	87.3
55°	41.5	52.2	65.7	66.4	54.3	44.5	41.7	38.8	41.7	44.5	54.3
57.5°	31.5	35.7	40.8	41.2	36.9	33.2	31.6	30.0	31.6	33.2	36.9
60°	26.8	29.1	31.7	32.0	30.0	28.2	27.0	25.9	27.0	28.2	30.0
62.5°	22.9	24.3	25.9	26.3	25.5	24.7	24.0	23.3	24.0	24.7	25.5
65°	19.3	19.8	20.4	20.7	20.7	20.6	20.3	20.0	20.3	20.6	20.7
67.5°	16.9	17.2	17.4	17.6	17.7	17.6	17.4	17.1	17.4	17.6	17.7
70°	14.8	15.1	15.4	15.7	16.0	16.1	15.8	15.5	15.8	16.1	16.0
72.5°	13.2	13.4	13.4	13.6	13.9	14.0	13.7	13.5	13.7	14.0	13.9
75°	10.3	10.6	10.8	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
77.5°	8.0	8.0	8.0	8.2	8.4	8.7	8.6	8.5	8.6	8.7	8.4
80°	6.5	6.5	6.5	6.6	6.9	7.0	6.8	6.5	6.8	7.0	6.9
82.5°	4.9	4.9	4.9	5.1	5.3	5.5	5.5	5.4	5.5	5.5	5.3
85°	3.2	3.0	2.7	2.7	3.0	3.2	3.2	3.2	3.2	3.2	3.0
87.5°	9.2	8.8	8.8	8.4	7.2	5.7	3.7	2.2	3.7	5.3	8.0
90°	40.6	38.7	38.7	36.8	31.0	23.2	13.5	5.8	13.5	21.3	34.8
92.5°	48.4	48.0	44.9	41.4	34.0	34.0	33.7	21.3	36.8	52.2	75.1
95°	44.5	44.5	52.2	65.8	96.7	98.7	65.8	60.0	85.1	119.9	150.9
97.5°	120.3	143.2	175.7	181.9	172.2	128.5	123.0	114.5	155.9	190.4	240.3
100°	222.5	251.5	274.7	228.3	179.9	178.0	166.4	162.5	207.0	239.9	288.3
102.5°	347.8	356.7	276.3	250.0	238.7	230.6	212.8	210.5	255.0	300.3	340.9
105°	377.3	338.6	340.5	340.5	332.8	317.3	284.4	282.5	332.8	385.0	435.3
107.5°	443.8	449.6	459.7	457.3	448.4	407.0	368.4	359.5	404.7	467.4	522.7
110°	532.0	537.8	541.7	537.8	524.3	472.1	425.6	412.1	452.7	518.5	578.5



TEST NUMBER: P1428647

CATALOG NUMBER: SQ2W-WBN-K-150U-050D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	617.2	621.4	629.9	618.3	595.5	535.5	482.9	463.2	503.8	571.1	632.6
115°	752.6	752.6	754.5	748.7	702.3	640.4	570.7	541.7	576.5	638.4	706.1
117.5°	885.7	888.0	880.3	864.8	811.0	739.0	660.9	614.4	641.9	707.3	777.0
120°	969.3	973.1	965.4	942.2	889.9	808.7	719.7	665.5	686.8	750.6	820.3
122.5°	1055.9	1055.2	1045.9	1019.6	958.0	873.7	786.2	719.7	728.6	787.8	855.9
125°	1176.3	1174.3	1166.6	1135.6	1071.8	984.7	882.2	800.9	789.3	839.6	909.3
127.5°	1290.8	1286.5	1274.5	1237.0	1171.6	1087.7	975.1	883.0	857.0	888.8	952.6
130°	1369.7	1363.9	1342.6	1302.0	1238.2	1158.8	1044.7	940.2	903.5	922.8	978.9
132.5°	1445.6	1428.9	1410.7	1367.0	1307.8	1225.4	1109.7	1000.6	949.9	958.4	1002.1
135°	1541.9	1526.4	1503.2	1460.7	1404.5	1323.3	1207.2	1089.2	1019.6	1011.8	1037.0
137.5°	1626.6	1610.4	1584.1	1547.3	1490.8	1418.5	1307.0	1182.5	1094.6	1068.7	1078.4
140°	1679.3	1659.9	1636.7	1599.9	1549.6	1474.2	1365.9	1245.9	1147.2	1110.5	1104.7
142.5°	1722.6	1707.9	1683.1	1649.5	1605.4	1529.9	1424.7	1306.3	1201.4	1153.8	1140.3
145°	1787.6	1776.0	1748.9	1718.0	1681.2	1605.8	1509.0	1391.0	1286.5	1224.6	1195.6
147.5°	1842.6	1833.3	1812.0	1775.6	1744.7	1672.3	1584.1	1479.6	1372.4	1295.8	1258.3
150°	1876.6	1868.9	1847.6	1812.8	1781.8	1714.1	1629.0	1532.2	1429.7	1348.4	1300.1
152.5°	1909.1	1901.4	1877.0	1842.2	1815.9	1752.8	1675.4	1583.3	1479.2	1398.0	1348.1
155°	1952.1	1942.4	1919.2	1886.3	1863.1	1805.0	1733.4	1652.2	1563.2	1478.1	1422.0
157.5°	1986.1	1974.1	1952.4	1924.2	1899.4	1846.0	1783.7	1713.7	1635.9	1554.7	1497.4
160°	2006.2	1992.7	1969.5	1944.3	1921.1	1870.8	1814.7	1750.8	1679.3	1605.8	1543.8
162.5°	2020.2	2008.2	1980.3	1958.2	1938.1	1892.5	1839.5	1781.8	1718.0	1653.7	1596.5
165°	2035.2	2021.7	1992.7	1975.3	1957.9	1919.2	1872.7	1826.3	1772.1	1719.9	1673.5
167.5°	2036.4	2025.2	1996.2	1979.1	1966.4	1933.1	1895.6	1860.0	1817.8	1776.8	1738.1
170°	2033.3	2023.6	1994.6	1979.1	1969.5	1942.4	1909.5	1878.5	1845.6	1810.8	1779.9
172.5°	2022.5	2012.8	1985.3	1972.9	1967.9	1943.9	1917.2	1894.0	1865.8	1840.2	1815.5
175°	1994.6	1986.9	1963.7	1955.9	1957.9	1942.4	1923.0	1909.5	1892.1	1876.6	1863.1
177.5°	1954.0	1949.3	1932.3	1932.3	1938.5	1929.2	1923.0	1916.8	1909.1	1904.5	1899.8
180°	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3



TEST NUMBER: P1428647

CATALOG NUMBER: SQ2W-WBN-K-150U-050D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	3645.2	3645.2	3645.2	3645.2	3645.2	3645.2	3645.2	3645.2	3645.2	3645.2	3645.2
2.5°	3606.3	3605.0	3617.9	3626.8	3623.6	3620.3	3623.6	3626.8	3617.9	3605.0	3606.3
5°	3477.8	3482.4	3504.8	3520.4	3515.2	3510.0	3515.2	3520.4	3504.8	3482.4	3477.8
7.5°	3221.5	3227.5	3247.4	3260.8	3255.3	3249.8	3255.3	3260.8	3247.4	3227.5	3221.5
10°	2987.5	2996.2	3025.2	3042.1	3022.6	3003.0	3022.6	3042.1	3025.2	2996.2	2987.5
12.5°	2715.6	2714.0	2718.6	2719.4	2708.6	2697.8	2708.6	2719.4	2718.6	2714.0	2715.6
15°	2274.9	2268.2	2275.3	2279.9	2276.8	2273.6	2276.8	2279.9	2275.3	2268.2	2274.9
17.5°	1861.9	1852.4	1851.7	1850.3	1846.8	1843.2	1846.8	1850.3	1851.7	1852.4	1861.9
20°	1600.1	1597.5	1603.3	1607.4	1606.9	1606.3	1606.9	1607.4	1603.3	1597.5	1600.1
22.5°	1377.1	1374.4	1382.9	1388.0	1382.8	1377.6	1382.8	1388.0	1382.9	1374.4	1377.1
25°	1103.8	1097.2	1092.8	1089.8	1090.7	1091.5	1090.7	1089.8	1092.8	1097.2	1103.8
27.5°	899.9	898.0	900.8	902.5	900.3	898.2	900.3	902.5	900.8	898.0	899.9
30°	800.1	797.5	799.3	799.9	797.3	794.7	797.3	799.9	799.3	797.5	800.1
32.5°	715.9	711.9	711.1	710.1	708.2	706.3	708.2	710.1	711.1	711.9	715.9
35°	600.7	595.3	591.0	587.2	584.6	582.0	584.6	587.2	591.0	595.3	600.7
37.5°	494.8	488.9	482.6	477.3	475.1	473.0	475.1	477.3	482.6	488.9	494.8
40°	426.7	421.1	413.6	407.6	405.9	404.2	405.9	407.6	413.6	421.1	426.7
42.5°	358.9	353.6	346.6	340.4	336.6	332.8	336.6	340.4	346.6	353.6	358.9
45°	263.8	261.9	254.1	242.8	220.7	198.5	220.7	242.8	254.1	261.9	263.8
47.5°	183.0	178.8	157.3	135.7	113.9	92.2	113.9	135.7	157.3	178.8	183.0
50°	138.8	134.5	106.1	82.3	72.5	62.7	72.5	82.3	106.1	134.5	138.8
52.5°	108.2	106.2	81.2	61.1	55.7	50.3	55.7	61.1	81.2	106.2	108.2
55°	66.4	65.7	52.2	41.5	39.2	36.9	39.2	41.5	52.2	65.7	66.4
57.5°	41.2	40.8	35.7	31.5	30.0	28.6	30.0	31.5	35.7	40.8	41.2
60°	32.0	31.7	29.1	26.8	25.4	23.9	25.4	26.8	29.1	31.7	32.0
62.5°	26.3	25.9	24.3	22.9	22.4	21.9	22.4	22.9	24.3	25.9	26.3
65°	20.7	20.4	19.8	19.3	19.0	18.8	19.0	19.3	19.8	20.4	20.7
67.5°	17.6	17.4	17.2	16.9	16.6	16.3	16.6	16.9	17.2	17.4	17.6
70°	15.7	15.4	15.1	14.8	14.5	14.2	14.5	14.8	15.1	15.4	15.7
72.5°	13.6	13.4	13.4	13.2	13.0	12.7	13.0	13.2	13.4	13.4	13.6
75°	11.0	10.8	10.6	10.3	10.3	10.3	10.3	10.3	10.6	10.8	11.0
77.5°	8.2	8.0	8.0	8.0	7.7	7.5	7.7	8.0	8.0	8.0	8.2
80°	6.6	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.6
82.5°	5.1	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	5.1
85°	2.7	2.7	3.0	3.2	2.9	2.6	2.9	3.2	3.0	2.7	2.7
87.5°	9.9	12.6	15.4	16.9	18.4	17.7	18.4	16.9	15.4	12.6	9.9
90°	44.5	58.0	71.6	79.3	87.1	83.2	87.1	79.3	71.6	58.0	44.5
92.5°	89.4	112.2	128.8	142.8	149.0	148.2	149.0	142.8	128.8	112.2	89.4
95°	179.9	207.0	234.1	253.4	265.0	261.2	265.0	253.4	234.1	207.0	179.9
97.5°	277.4	313.8	344.0	362.2	373.8	381.5	373.8	362.2	344.0	313.8	277.4
100°	342.4	377.3	412.1	433.4	452.7	460.4	452.7	433.4	412.1	377.3	342.4
102.5°	395.1	440.7	478.6	501.5	517.7	525.4	517.7	501.5	478.6	440.7	395.1
105°	481.7	530.1	570.7	599.7	617.2	623.0	617.2	599.7	570.7	530.1	481.7
107.5°	568.4	618.3	655.8	688.0	709.2	721.6	709.2	688.0	655.8	618.3	568.4
110°	636.5	677.1	717.8	746.8	768.1	775.8	768.1	746.8	717.8	677.1	636.5



TEST NUMBER: P1428647

CATALOG NUMBER: SQ2W-WBN-K-150U-050D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	693.8	739.0	779.7	808.7	833.1	843.9	833.1	808.7	779.7	739.0	693.8
115°	773.9	833.8	870.6	897.7	915.1	924.8	915.1	897.7	870.6	833.8	773.9
117.5°	840.4	903.1	943.3	964.2	972.4	979.3	972.4	964.2	943.3	903.1	840.4
120°	882.2	940.2	986.7	1013.8	1023.4	1027.3	1023.4	1013.8	986.7	940.2	882.2
122.5°	920.9	975.8	1020.7	1054.0	1069.9	1073.7	1069.9	1054.0	1020.7	975.8	920.9
125°	975.1	1027.3	1073.7	1106.6	1124.0	1133.7	1124.0	1106.6	1073.7	1027.3	975.1
127.5°	1022.3	1078.8	1121.3	1151.1	1168.1	1175.9	1168.1	1151.1	1121.3	1078.8	1022.3
130°	1048.6	1106.6	1149.2	1182.1	1197.5	1205.3	1197.5	1182.1	1149.2	1106.6	1048.6
132.5°	1068.7	1129.8	1173.9	1203.7	1220.8	1228.5	1220.8	1203.7	1173.9	1129.8	1068.7
135°	1093.1	1156.9	1203.3	1232.4	1247.8	1255.6	1247.8	1232.4	1203.3	1156.9	1093.1
137.5°	1114.4	1172.4	1220.8	1251.3	1265.3	1270.3	1265.3	1251.3	1220.8	1172.4	1114.4
140°	1129.8	1180.1	1228.5	1257.5	1273.0	1274.9	1273.0	1257.5	1228.5	1180.1	1129.8
142.5°	1150.0	1189.4	1231.6	1260.6	1276.1	1279.6	1276.1	1260.6	1231.6	1189.4	1150.0
145°	1185.9	1209.2	1238.2	1265.3	1278.8	1282.7	1278.8	1265.3	1238.2	1209.2	1185.9
147.5°	1231.2	1238.6	1253.6	1271.4	1284.6	1287.3	1284.6	1271.4	1253.6	1238.6	1231.2
150°	1265.3	1263.3	1269.1	1280.7	1292.3	1290.4	1292.3	1280.7	1269.1	1263.3	1265.3
152.5°	1303.9	1292.7	1292.3	1297.8	1303.2	1302.8	1303.2	1297.8	1292.3	1292.7	1303.9
155°	1369.7	1348.4	1336.8	1333.0	1333.0	1331.0	1333.0	1333.0	1336.8	1348.4	1369.7
157.5°	1442.1	1412.3	1394.9	1385.6	1382.9	1378.6	1382.9	1385.6	1394.9	1412.3	1442.1
160°	1491.6	1458.7	1441.3	1425.8	1420.0	1414.2	1420.0	1425.8	1441.3	1458.7	1491.6
162.5°	1538.0	1506.7	1487.7	1473.8	1468.0	1459.1	1468.0	1473.8	1487.7	1506.7	1538.0
165°	1613.5	1580.6	1559.3	1547.7	1540.0	1532.2	1540.0	1547.7	1559.3	1580.6	1613.5
167.5°	1688.9	1653.0	1639.0	1625.9	1618.5	1604.6	1618.5	1625.9	1639.0	1653.0	1688.9
170°	1735.4	1702.5	1694.7	1683.1	1669.6	1654.1	1669.6	1683.1	1694.7	1702.5	1735.4
172.5°	1775.6	1753.6	1745.8	1734.2	1730.0	1717.6	1730.0	1734.2	1745.8	1753.6	1775.6
175°	1834.0	1816.6	1816.6	1814.7	1808.9	1797.3	1808.9	1814.7	1816.6	1816.6	1834.0
177.5°	1882.8	1873.5	1879.7	1879.7	1878.1	1867.3	1878.1	1879.7	1879.7	1873.5	1882.8
180°	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3



TEST NUMBER: P1428647

CATALOG NUMBER: SQ2W-WBN-K-150U-050D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	3645.2	3645.2	3645.2	3645.2
2.5°	3621.7	3634.0	3636.7	3639.5
5°	3491.1	3501.5	3503.8	3506.1
7.5°	3229.3	3234.7	3232.8	3230.8
10°	2999.0	3006.3	3001.1	2995.9
12.5°	2723.4	2730.1	2733.4	2736.8
15°	2295.6	2314.1	2326.2	2338.3
17.5°	1880.2	1892.7	1888.1	1883.4
20°	1611.0	1618.9	1617.4	1616.0
22.5°	1391.0	1401.3	1401.1	1400.8
25°	1112.7	1119.6	1120.4	1121.3
27.5°	906.5	912.4	916.0	919.5
30°	807.0	812.9	815.8	818.7
32.5°	723.0	728.4	728.2	728.1
35°	607.0	611.3	609.6	607.9
37.5°	500.1	503.7	502.1	500.5
40°	430.5	433.0	431.8	430.7
42.5°	362.7	364.3	359.5	354.6
45°	259.7	252.9	237.7	222.4
47.5°	169.9	154.7	133.6	112.5
50°	119.0	100.4	85.8	71.1
52.5°	87.3	69.6	62.1	54.6
55°	54.3	44.5	41.7	38.8
57.5°	36.9	33.2	31.6	30.0
60°	30.0	28.2	27.0	25.9
62.5°	25.5	24.7	24.0	23.3
65°	20.7	20.6	20.3	20.0
67.5°	17.7	17.6	17.4	17.1
70°	16.0	16.1	15.8	15.5
72.5°	13.9	14.0	13.7	13.5
75°	11.0	11.0	11.0	11.0
77.5°	8.4	8.7	8.6	8.5
80°	6.9	7.0	6.8	6.5
82.5°	5.3	5.5	5.5	5.4
85°	3.0	3.2	3.2	3.2
87.5°	8.0	5.3	3.7	2.2
90°	34.8	21.3	13.5	5.8
92.5°	75.1	52.2	36.8	21.3
95°	150.9	119.9	85.1	60.0
97.5°	240.3	190.4	155.9	114.5
100°	288.3	239.9	207.0	162.5
102.5°	340.9	300.3	255.0	210.5
105°	435.3	385.0	332.8	282.5
107.5°	522.7	467.4	404.7	359.5
110°	578.5	518.5	452.7	412.1



TEST NUMBER: P1428647

CATALOG NUMBER: SQ2W-WBN-K-150U-050D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	632.6	571.1	503.8	463.2
115°	706.1	638.4	576.5	541.7
117.5°	777.0	707.3	641.9	614.4
120°	820.3	750.6	686.8	665.5
122.5°	855.9	787.8	728.6	719.7
125°	909.3	839.6	789.3	800.9
127.5°	952.6	888.8	857.0	883.0
130°	978.9	922.8	903.5	940.2
132.5°	1002.1	958.4	949.9	1000.6
135°	1037.0	1011.8	1019.6	1089.2
137.5°	1078.4	1068.7	1094.6	1182.5
140°	1104.7	1110.5	1147.2	1245.9
142.5°	1140.3	1153.8	1201.4	1306.3
145°	1195.6	1224.6	1286.5	1391.0
147.5°	1258.3	1295.8	1372.4	1479.6
150°	1300.1	1348.4	1429.7	1532.2
152.5°	1348.1	1398.0	1479.2	1583.3
155°	1422.0	1478.1	1563.2	1652.2
157.5°	1497.4	1554.7	1635.9	1713.7
160°	1543.8	1605.8	1679.3	1750.8
162.5°	1596.5	1653.7	1718.0	1781.8
165°	1673.5	1719.9	1772.1	1826.3
167.5°	1738.1	1776.8	1817.8	1860.0
170°	1779.9	1810.8	1845.6	1878.5
172.5°	1815.5	1840.2	1865.8	1894.0
175°	1863.1	1876.6	1892.1	1909.5
177.5°	1899.8	1904.5	1909.1	1916.8
180°	1915.3	1915.3	1915.3	1915.3



TEST NUMBER: P1428647

CATALOG NUMBER: SQ2W-WBN-K-150U-050D-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	0.00	0.00	0.00	0.00	0.94	0.00	0.00	0.00	0.00	0.57
	3H	0.00	0.00	0.02	0.53	2.12	0.00	0.00	0.00	0.15	1.73
	4H	0.00	0.00	0.54	1.02	2.61	0.00	0.00	0.15	0.63	2.22
	6H	0.00	0.19	0.90	1.33	2.93	0.00	0.00	0.48	0.92	2.51
	8H	0.00	0.31	1.04	1.46	3.06	0.00	0.00	0.62	1.04	2.63
	12H	0.00	0.38	1.14	1.52	3.14	0.00	0.00	0.69	1.08	2.69
4H	2H	0.00	0.00	0.00	0.00	1.18	0.00	0.00	0.00	0.00	0.88
	3H	0.00	0.00	0.62	1.03	2.63	0.00	0.00	0.28	0.69	2.29
	4H	0.09	0.48	1.27	1.63	3.25	0.00	0.13	0.92	1.28	2.90
	6H	0.58	0.91	1.76	2.08	3.69	0.19	0.53	1.38	1.70	3.31
	8H	0.79	1.10	1.97	2.26	3.89	0.39	0.70	1.57	1.86	3.49
	12H	0.92	1.20	2.12	2.37	4.00	0.50	0.78	1.69	1.95	3.58
8H	4H	0.25	0.56	1.43	1.72	3.35	0.00	0.25	1.11	1.41	3.03
	6H	0.88	1.14	2.08	2.34	3.96	0.53	0.79	1.73	1.99	3.61
	8H	1.20	1.42	2.41	2.61	4.25	0.82	1.05	2.03	2.23	3.87
	12H	1.43	1.62	2.63	2.80	4.47	1.03	1.22	2.24	2.40	4.08
12H	4H	0.22	0.51	1.42	1.68	3.31	0.00	0.20	1.11	1.37	3.00
	6H	0.92	1.14	2.13	2.33	3.97	0.58	0.81	1.79	1.99	3.63
	8H	1.27	1.46	2.47	2.64	4.31	0.90	1.10	2.11	2.27	3.95