

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: P1427645

Luminaire Tested: SQ2W-BBN-K-150U-100D-L930-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1427645  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G3-2308-130-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/10/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ2W-BBN-K-150U-100D-L930-UNV-STD-W-WM-4  
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE  
DOWNLIGHT - BLACK DISCREET BAFFLE, NARROW 35-DEGREE OPTIC  
UPLIGHT - ASYMMETRIC ROLL LENS  
DOWNLIGHT 1000 LUMENS PER FOOT  
UPLIGHT 1500 LUMENS PER FOOT  
Light Source: 3000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

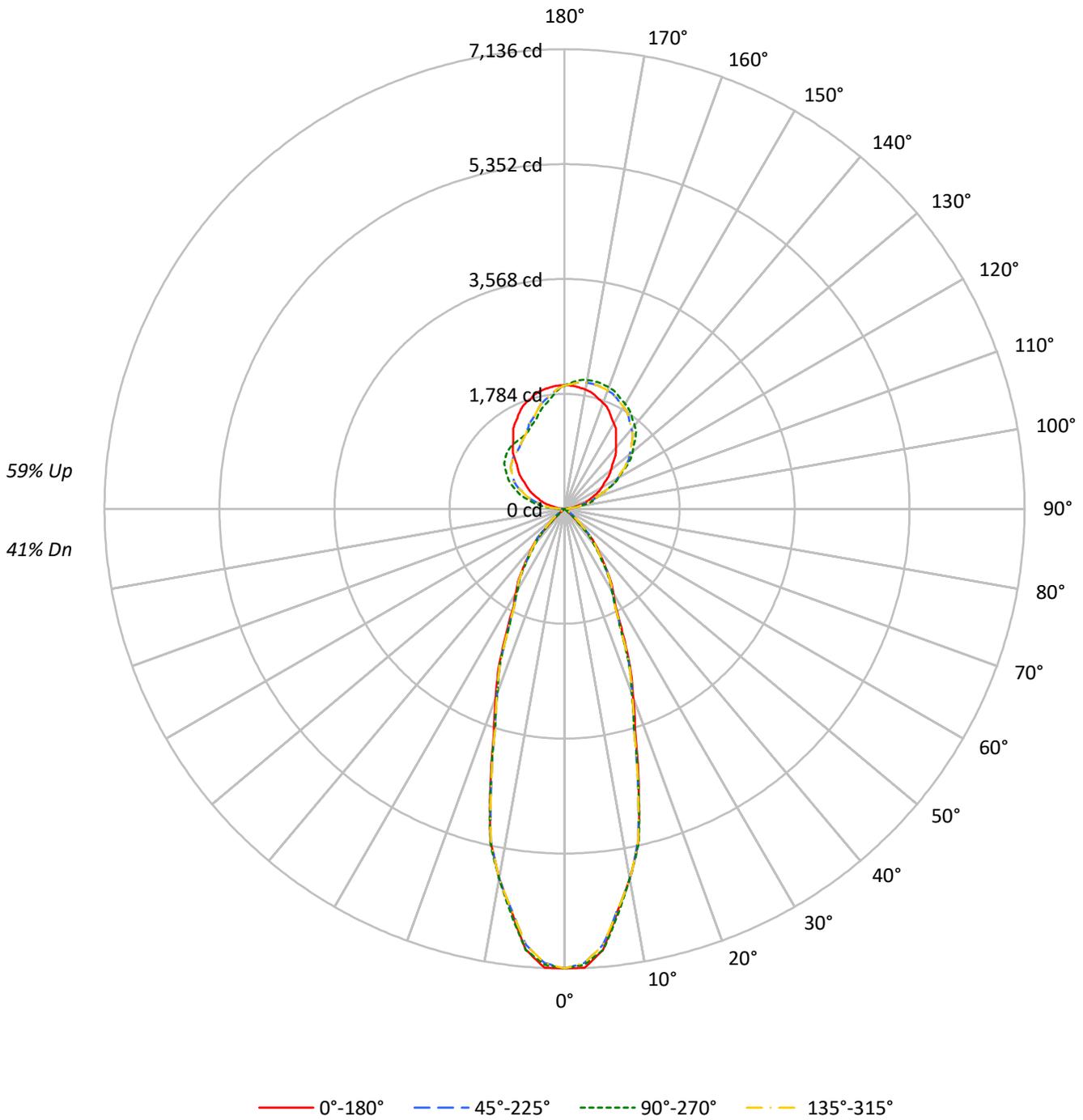
Lumens per Lamp: N/A  
Luminaire Lumens: 9457.7 lumens  
Efficiency: N/A  
Efficacy: 101.5 lumens/watt  
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.62  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 93.2  
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

TEST NUMBER: P1427645

CATALOG NUMBER: SQ2W-BBN-K-150U-100D-L930-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	105	105	105	105	96	96	96	96	78	78	78	62	62	62	48	48	48	41
1	98	94	91	88	89	86	84	81	71	70	68	58	57	56	45	45	44	38
2	91	85	80	76	83	78	74	71	65	63	60	54	52	50	43	42	41	36
3	85	77	71	66	77	71	66	62	60	57	54	50	48	46	40	39	38	34
4	79	70	64	59	72	65	60	55	55	51	48	46	44	42	38	36	35	32
5	74	64	58	53	68	60	54	50	51	47	44	43	40	38	36	34	33	30
6	69	59	52	47	64	55	49	45	48	43	40	41	38	35	34	32	31	28
7	65	54	48	43	60	51	45	41	44	40	37	38	35	33	32	30	29	26
8	61	51	44	40	56	47	42	38	41	37	34	36	33	31	31	29	27	25
9	57	47	41	36	53	44	39	35	39	35	32	34	31	29	29	27	26	24
10	54	44	38	34	50	41	36	32	37	32	30	32	29	27	28	26	24	22

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

	0°	90°	180°	270°
0°	115219	115219	115219	115219
5°	111366	111430	111366	111430
10°	95576	95576	95576	95576
15°	74185	74013	74185	74013
20°	53540	52391	53540	52391
25°	37963	36520	37963	36520
30°	28245	27260	28245	27260
35°	21977	20964	21977	20964
40°	16263	14855	16263	14855
45°	8311	6695	8311	6695
50°	1808	1324	1808	1324
55°	507	397	507	397
60°	84	42	84	42
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: 10138 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	617.1	6.5
10°-20°	1216.6	12.9
20°-30°	981.4	10.4
30°-40°	681.8	7.2
40°-50°	314.9	3.3
50°-60°	44.1	0.5
60°-70°	1.5	0.0
70°-80°	0.0	0.0
80°-90°	10.2	0.1
90°-100°	152.4	1.6
100°-110°	444.5	4.7
110°-120°	725.4	7.7
120°-130°	920.5	9.7
130°-140°	985.0	10.4
140°-150°	919.8	9.7
150°-160°	756.8	8.0
160°-170°	507.6	5.4
170°-180°	180.2	1.9
0°-30°	2815.2	29.8
0°-40°	3497.0	37.0
0°-60°	3856.0	40.8
0°-90°	3867.7	40.9
90°-120°	1322.4	14.0
90°-150°	4147.7	43.9
90°-180°	5592.0	59.1
0°-180°	9457.7	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	7136	7136	7136	7136	7136	
5°	6871	6875	6871	6875	6871	618
15°	4438	4428	4438	4428	4438	1222
25°	2131	2050	2131	2050	2131	998
35°	1115	1064	1115	1064	1115	698
45°	364	293	364	293	364	294
55°	18	14	18	14	18	23
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
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°	7136.3	7136.3	7136.3	7136.3	7136.3	7136.3	7136.3	7136.3	7136.3	7136.3	7136.3
2.5°	7132.2	7120.3	7108.4	7084.9	7057.5	7056.3	7081.5	7098.4	7090.6	7082.8	7090.6
5°	6871.4	6854.8	6838.2	6818.2	6797.1	6805.1	6842.3	6870.7	6873.0	6875.3	6873.0
7.5°	6295.8	6301.1	6306.5	6292.8	6272.6	6283.2	6324.3	6354.1	6349.6	6345.1	6349.6
10°	5829.7	5833.7	5837.7	5837.0	5834.7	5840.4	5854.1	5860.6	5845.1	5829.7	5845.1
12.5°	5289.6	5305.4	5321.3	5303.0	5273.3	5268.7	5289.3	5306.4	5312.9	5319.4	5312.9
15°	4438.2	4463.9	4489.6	4453.2	4396.0	4381.2	4408.6	4429.0	4428.5	4427.9	4428.5
17.5°	3639.8	3637.2	3634.5	3612.0	3582.9	3570.9	3576.0	3579.4	3577.7	3576.0	3577.7
20°	3116.1	3112.1	3108.1	3088.7	3064.1	3049.8	3045.8	3043.5	3046.4	3049.2	3046.4
22.5°	2667.5	2660.8	2654.0	2645.9	2637.4	2628.1	2618.2	2611.6	2615.4	2619.2	2615.4
25°	2131.0	2109.3	2087.6	2070.1	2054.1	2053.0	2066.7	2074.0	2062.0	2050.0	2062.0
27.5°	1710.5	1710.1	1709.8	1699.5	1685.9	1679.8	1681.3	1683.0	1685.3	1687.6	1685.3
30°	1515.0	1511.0	1507.0	1496.1	1483.0	1476.7	1477.3	1476.0	1469.1	1462.2	1469.1
32.5°	1341.1	1344.0	1346.8	1335.3	1318.9	1309.2	1306.1	1302.1	1295.2	1288.4	1295.2
35°	1115.0	1115.0	1115.0	1105.6	1093.0	1082.4	1073.9	1067.0	1065.3	1063.6	1065.3
37.5°	905.4	904.4	903.3	896.4	887.5	876.9	864.8	854.6	850.2	845.7	850.2
40°	771.6	768.8	765.9	760.9	755.2	744.9	730.1	717.3	711.0	704.8	711.0
42.5°	619.4	627.0	634.7	632.3	626.6	616.3	601.4	587.9	578.4	569.0	578.4
45°	364.0	396.0	428.0	439.4	444.0	437.7	420.5	395.0	344.1	293.2	344.1
47.5°	156.4	191.6	226.8	256.4	284.0	275.3	230.1	185.7	143.4	101.1	143.4
50°	72.0	99.5	126.9	163.8	203.8	195.5	138.9	91.6	72.2	52.7	72.2
52.5°	42.2	55.9	69.6	104.1	145.5	141.8	92.9	53.8	43.5	33.2	43.5
55°	18.0	22.6	27.2	45.9	69.3	68.2	42.4	22.1	18.1	14.1	18.1
57.5°	6.7	9.2	11.7	18.4	26.5	26.0	16.9	9.5	7.5	5.4	7.5
60°	2.6	3.7	4.9	8.1	12.1	11.9	7.3	3.6	2.4	1.3	2.4
62.5°	0.5	1.2	1.9	3.7	5.9	5.8	3.5	1.6	0.9	0.3	0.9
65°	0.0	0.0	0.0	0.4	1.0	1.0	0.4	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°	1.2	2.7	4.6	6.2	7.4	7.7	7.7	8.1	8.5	8.5	8.5
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°	7136.3	7136.3	7136.3	7136.3	7136.3	7136.3	7136.3	7136.3	7136.3	7136.3	7136.3
2.5°	7098.4	7081.5	7056.3	7057.5	7084.9	7108.4	7120.3	7132.2	7120.3	7108.4	7084.9
5°	6870.7	6842.3	6805.1	6797.1	6818.2	6838.2	6854.8	6871.4	6854.8	6838.2	6818.2
7.5°	6354.1	6324.3	6283.2	6272.6	6292.8	6306.5	6301.1	6295.8	6301.1	6306.5	6292.8
10°	5860.6	5854.1	5840.4	5834.7	5837.0	5837.7	5833.7	5829.7	5833.7	5837.7	5837.0
12.5°	5306.4	5289.3	5268.7	5273.3	5303.0	5321.3	5305.4	5289.6	5305.4	5321.3	5303.0
15°	4429.0	4408.6	4381.2	4396.0	4453.2	4489.6	4463.9	4438.2	4463.9	4489.6	4453.2
17.5°	3579.4	3576.0	3570.9	3582.9	3612.0	3634.5	3637.2	3639.8	3637.2	3634.5	3612.0
20°	3043.5	3045.8	3049.8	3064.1	3088.7	3108.1	3112.1	3116.1	3112.1	3108.1	3088.7
22.5°	2611.6	2618.2	2628.1	2637.4	2645.9	2654.0	2660.8	2667.5	2660.8	2654.0	2645.9
25°	2074.0	2066.7	2053.0	2054.1	2070.1	2087.6	2109.3	2131.0	2109.3	2087.6	2070.1
27.5°	1683.0	1681.3	1679.8	1685.9	1699.5	1709.8	1710.1	1710.5	1710.1	1709.8	1699.5
30°	1476.0	1477.3	1476.7	1483.0	1496.1	1507.0	1511.0	1515.0	1511.0	1507.0	1496.1
32.5°	1302.1	1306.1	1309.2	1318.9	1335.3	1346.8	1344.0	1341.1	1344.0	1346.8	1335.3
35°	1067.0	1073.9	1082.4	1093.0	1105.6	1115.0	1115.0	1115.0	1115.0	1115.0	1105.6
37.5°	854.6	864.8	876.9	887.5	896.4	903.3	904.4	905.4	904.4	903.3	896.4
40°	717.3	730.1	744.9	755.2	760.9	765.9	768.8	771.6	768.8	765.9	760.9
42.5°	587.9	601.4	616.3	626.6	632.3	634.7	627.0	619.4	627.0	634.7	632.3
45°	395.0	420.5	437.7	444.0	439.4	428.0	396.0	364.0	396.0	428.0	439.4
47.5°	185.7	230.1	275.3	284.0	256.4	226.8	191.6	156.4	191.6	226.8	256.4
50°	91.6	138.9	195.5	203.8	163.8	126.9	99.5	72.0	99.5	126.9	163.8
52.5°	53.8	92.9	141.8	145.5	104.1	69.6	55.9	42.2	55.9	69.6	104.1
55°	22.1	42.4	68.2	69.3	45.9	27.2	22.6	18.0	22.6	27.2	45.9
57.5°	9.5	16.9	26.0	26.5	18.4	11.7	9.2	6.7	9.2	11.7	18.4
60°	3.6	7.3	11.9	12.1	8.1	4.9	3.7	2.6	3.7	4.9	8.1
62.5°	1.6	3.5	5.8	5.9	3.7	1.9	1.2	0.5	1.2	1.9	3.7
65°	0.0	0.4	1.0	1.0	0.4	0.0	0.0	0.0	0.0	0.0	0.4
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°	8.1	7.7	7.7	7.4	6.2	4.6	2.7	1.2	2.7	4.3	7.0
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: P1427645

CATALOG NUMBER: SQ2W-BBN-K-150U-100D-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: P1427645

CATALOG NUMBER: SQ2W-BBN-K-150U-100D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	7136.3	7136.3	7136.3	7136.3	7136.3	7136.3	7136.3	7136.3	7136.3	7136.3	7136.3
2.5°	7057.5	7056.3	7081.5	7098.4	7090.6	7082.8	7090.6	7098.4	7081.5	7056.3	7057.5
5°	6797.1	6805.1	6842.3	6870.7	6873.0	6875.3	6873.0	6870.7	6842.3	6805.1	6797.1
7.5°	6272.6	6283.2	6324.3	6354.1	6349.6	6345.1	6349.6	6354.1	6324.3	6283.2	6272.6
10°	5834.7	5840.4	5854.1	5860.6	5845.1	5829.7	5845.1	5860.6	5854.1	5840.4	5834.7
12.5°	5273.3	5268.7	5289.3	5306.4	5312.9	5319.4	5312.9	5306.4	5289.3	5268.7	5273.3
15°	4396.0	4381.2	4408.6	4429.0	4428.5	4427.9	4428.5	4429.0	4408.6	4381.2	4396.0
17.5°	3582.9	3570.9	3576.0	3579.4	3577.7	3576.0	3577.7	3579.4	3576.0	3570.9	3582.9
20°	3064.1	3049.8	3045.8	3043.5	3046.4	3049.2	3046.4	3043.5	3045.8	3049.8	3064.1
22.5°	2637.4	2628.1	2618.2	2611.6	2615.4	2619.2	2615.4	2611.6	2618.2	2628.1	2637.4
25°	2054.1	2053.0	2066.7	2074.0	2062.0	2050.0	2062.0	2074.0	2066.7	2053.0	2054.1
27.5°	1685.9	1679.8	1681.3	1683.0	1685.3	1687.6	1685.3	1683.0	1681.3	1679.8	1685.9
30°	1483.0	1476.7	1477.3	1476.0	1469.1	1462.2	1469.1	1476.0	1477.3	1476.7	1483.0
32.5°	1318.9	1309.2	1306.1	1302.1	1295.2	1288.4	1295.2	1302.1	1306.1	1309.2	1318.9
35°	1093.0	1082.4	1073.9	1067.0	1065.3	1063.6	1065.3	1067.0	1073.9	1082.4	1093.0
37.5°	887.5	876.9	864.8	854.6	850.2	845.7	850.2	854.6	864.8	876.9	887.5
40°	755.2	744.9	730.1	717.3	711.0	704.8	711.0	717.3	730.1	744.9	755.2
42.5°	626.6	616.3	601.4	587.9	578.4	569.0	578.4	587.9	601.4	616.3	626.6
45°	444.0	437.7	420.5	395.0	344.1	293.2	344.1	395.0	420.5	437.7	444.0
47.5°	284.0	275.3	230.1	185.7	143.4	101.1	143.4	185.7	230.1	275.3	284.0
50°	203.8	195.5	138.9	91.6	72.2	52.7	72.2	91.6	138.9	195.5	203.8
52.5°	145.5	141.8	92.9	53.8	43.5	33.2	43.5	53.8	92.9	141.8	145.5
55°	69.3	68.2	42.4	22.1	18.1	14.1	18.1	22.1	42.4	68.2	69.3
57.5°	26.5	26.0	16.9	9.5	7.5	5.4	7.5	9.5	16.9	26.0	26.5
60°	12.1	11.9	7.3	3.6	2.4	1.3	2.4	3.6	7.3	11.9	12.1
62.5°	5.9	5.8	3.5	1.6	0.9	0.3	0.9	1.6	3.5	5.8	5.9
65°	1.0	1.0	0.4	0.0	0.0	0.0	0.0	0.0	0.4	1.0	1.0
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°	8.9	11.6	14.3	15.9	17.4	16.6	17.4	15.9	14.3	11.6	8.9
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: P1427645

CATALOG NUMBER: SQ2W-BBN-K-150U-100D-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: P1427645

CATALOG NUMBER: SQ2W-BBN-K-150U-100D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	7136.3	7136.3	7136.3	7136.3
2.5°	7084.9	7108.4	7120.3	7132.2
5°	6818.2	6838.2	6854.8	6871.4
7.5°	6292.8	6306.5	6301.1	6295.8
10°	5837.0	5837.7	5833.7	5829.7
12.5°	5303.0	5321.3	5305.4	5289.6
15°	4453.2	4489.6	4463.9	4438.2
17.5°	3612.0	3634.5	3637.2	3639.8
20°	3088.7	3108.1	3112.1	3116.1
22.5°	2645.9	2654.0	2660.8	2667.5
25°	2070.1	2087.6	2109.3	2131.0
27.5°	1699.5	1709.8	1710.1	1710.5
30°	1496.1	1507.0	1511.0	1515.0
32.5°	1335.3	1346.8	1344.0	1341.1
35°	1105.6	1115.0	1115.0	1115.0
37.5°	896.4	903.3	904.4	905.4
40°	760.9	765.9	768.8	771.6
42.5°	632.3	634.7	627.0	619.4
45°	439.4	428.0	396.0	364.0
47.5°	256.4	226.8	191.6	156.4
50°	163.8	126.9	99.5	72.0
52.5°	104.1	69.6	55.9	42.2
55°	45.9	27.2	22.6	18.0
57.5°	18.4	11.7	9.2	6.7
60°	8.1	4.9	3.7	2.6
62.5°	3.7	1.9	1.2	0.5
65°	0.4	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°	7.0	4.3	2.7	1.2
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: P1427645

CATALOG NUMBER: SQ2W-BBN-K-150U-100D-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: P1427645  
 CATALOG NUMBER: SQ2W-BBN-K-150U-100D-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	0.00	0.00	0.00	0.00	0.00	0.00
	3H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	12H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4H	2H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	12H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8H	4H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	12H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12H	4H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00