

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: P1427648

Luminaire Tested: SQ2W-BBN-K-150U-125D-L930-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1427648  
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-125D-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 1250 LUMENS PER FOOT  
UPLIGHT 1500 LUMENS PER FOOT  
Light Source: 3000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

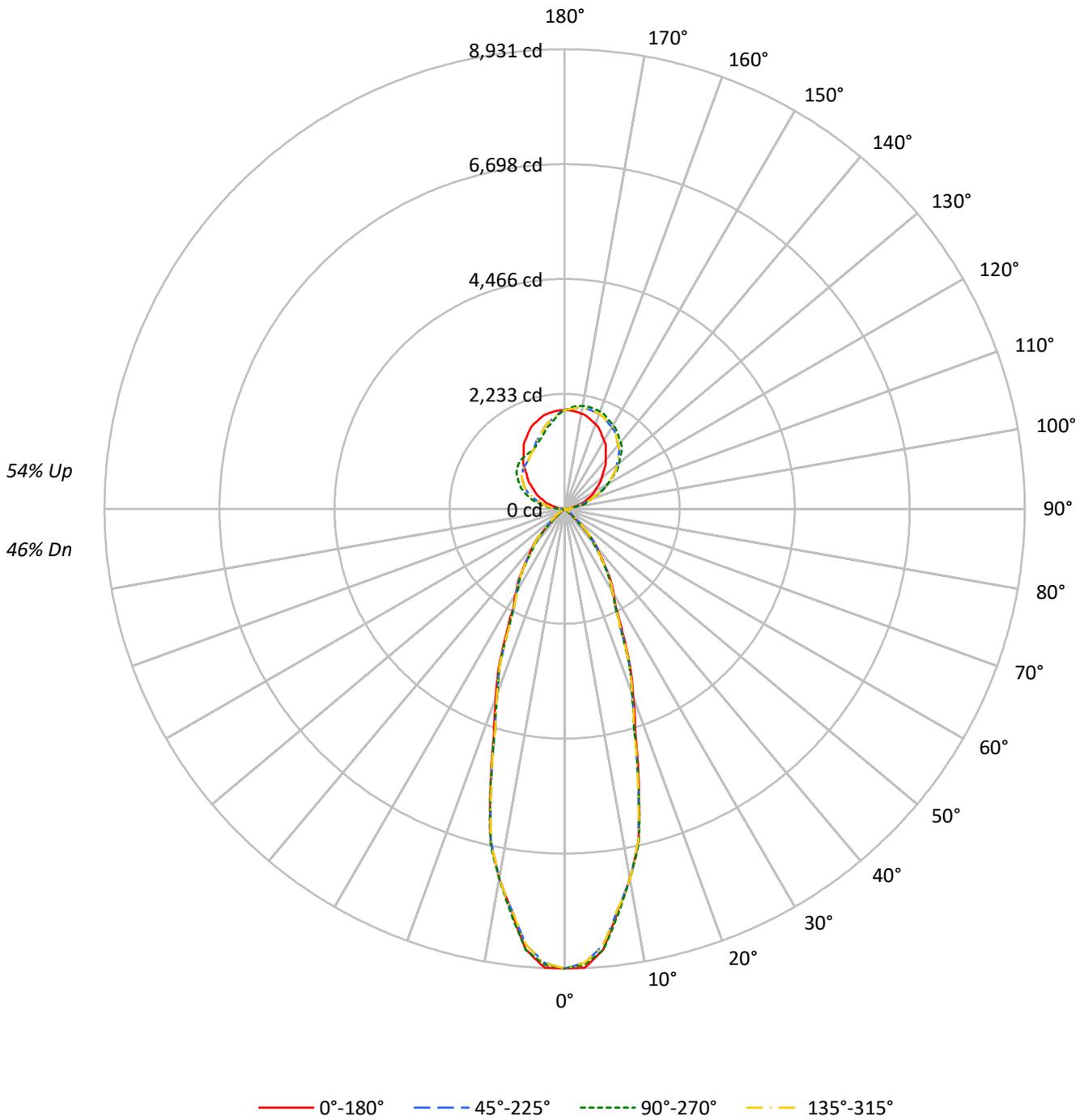
Lumens per Lamp: N/A  
Luminaire Lumens: 10428.0 lumens  
Efficiency: N/A  
Efficacy: 99.4 lumens/watt  
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.62  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 104.9  
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: P1427648

CATALOG NUMBER: SQ2W-BBN-K-150U-125D-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	50	30	10	0	
RCR																						
0	106	106	106	106	98	98	98	98	81	81	81	66	66	66	53	53	53	46				
1	99	96	93	90	91	88	86	84	75	73	71	62	61	60	50	50	49	44				
2	93	87	82	78	85	80	76	73	69	66	63	58	56	54	47	46	45	41				
3	86	79	73	69	80	73	69	65	63	60	57	54	51	49	45	43	42	38				
4	81	72	66	61	75	67	62	58	58	54	51	50	47	45	42	41	39	36				
5	76	66	60	55	70	62	56	52	54	50	47	47	44	42	40	38	37	34				
6	71	61	54	50	66	57	52	47	50	46	43	44	41	39	38	36	34	32				
7	67	57	50	45	62	53	48	43	47	43	40	41	38	36	36	34	32	30				
8	63	53	46	42	59	50	44	40	44	40	37	39	36	34	34	32	30	28				
9	59	49	43	39	55	46	41	37	42	37	34	37	34	31	32	30	29	27				
10	56	46	40	36	53	44	38	35	39	35	32	35	32	30	31	29	27	25				

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

	0°	90°	180°	270°
0°	144202	144202	144202	144202
5°	139380	139458	139380	139458
10°	119617	119617	119617	119617
15°	92846	92630	92846	92630
20°	67009	65571	67009	65571
25°	47512	45705	47512	45705
30°	35350	34119	35350	34119
35°	27505	26236	27505	26236
40°	20354	18589	20354	18589
45°	10401	8380	10401	8380
50°	2263	1658	2263	1658
55°	633	498	633	498
60°	103	52	103	52
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: 12688 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	772.3	7.4
10°-20°	1522.7	14.6
20°-30°	1228.3	11.8
30°-40°	853.3	8.2
40°-50°	394.1	3.8
50°-60°	55.2	0.5
60°-70°	1.9	0.0
70°-80°	0.0	0.0
80°-90°	10.2	0.1
90°-100°	152.4	1.5
100°-110°	444.5	4.3
110°-120°	725.4	7.0
120°-130°	920.5	8.8
130°-140°	985.0	9.4
140°-150°	919.8	8.8
150°-160°	756.8	7.3
160°-170°	507.6	4.9
170°-180°	180.2	1.7
0°-30°	3523.3	33.8
0°-40°	4376.6	42.0
0°-60°	4825.9	46.3
0°-90°	4838.0	46.4
90°-120°	1322.4	12.7
90°-150°	4147.7	39.8
90°-180°	5592.0	53.6
0°-180°	10428.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	8931	8931	8931	8931	8931	
5°	8600	8605	8600	8605	8600	773
15°	5555	5542	5555	5542	5555	1529
25°	2667	2566	2667	2566	2667	1249
35°	1396	1331	1396	1331	1396	873
45°	456	367	456	367	456	368
55°	22	18	22	18	22	28
65°	0	0	0	0	0	1
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°	8931.4	8931.4	8931.4	8931.4	8931.4	8931.4	8931.4	8931.4	8931.4	8931.4	8931.4
2.5°	8926.3	8911.4	8896.5	8867.1	8832.7	8831.3	8862.8	8883.9	8874.2	8864.5	8874.2
5°	8599.9	8579.1	8558.4	8533.3	8506.9	8516.9	8563.4	8599.0	8601.8	8604.7	8601.8
7.5°	7879.4	7886.2	7892.9	7875.7	7850.5	7863.7	7915.2	7952.4	7946.8	7941.2	7946.8
10°	7296.1	7301.1	7306.1	7305.2	7302.4	7309.5	7326.7	7334.8	7315.4	7296.1	7315.4
12.5°	6620.1	6640.0	6659.9	6637.0	6599.8	6594.0	6619.8	6641.1	6649.3	6657.5	6649.3
15°	5554.6	5586.8	5619.0	5573.4	5501.8	5483.2	5517.6	5543.1	5542.4	5541.7	5542.4
17.5°	4555.4	4552.1	4548.8	4520.6	4484.1	4469.1	4475.5	4479.8	4477.7	4475.5	4477.7
20°	3900.0	3895.0	3889.9	3865.6	3834.9	3817.0	3812.0	3809.1	3812.7	3816.3	3812.7
22.5°	3338.5	3330.1	3321.7	3311.5	3300.8	3289.2	3276.7	3268.6	3273.3	3278.0	3273.3
25°	2667.0	2639.9	2612.7	2590.9	2570.8	2569.4	2586.6	2595.7	2580.7	2565.6	2580.7
27.5°	2140.7	2140.3	2139.9	2127.0	2110.0	2102.4	2104.2	2106.3	2109.2	2112.1	2109.2
30°	1896.1	1891.1	1886.0	1872.5	1856.0	1848.1	1848.8	1847.2	1838.7	1830.1	1838.7
32.5°	1678.4	1682.0	1685.6	1671.2	1650.7	1638.5	1634.7	1629.6	1621.0	1612.5	1621.0
35°	1395.5	1395.5	1395.5	1383.7	1367.9	1354.7	1344.0	1335.4	1333.3	1331.1	1333.3
37.5°	1133.1	1131.8	1130.6	1121.9	1110.7	1097.5	1082.4	1069.6	1064.0	1058.4	1064.0
40°	965.7	962.2	958.6	952.3	945.2	932.3	913.7	897.8	889.9	882.0	889.9
42.5°	775.2	784.7	794.3	791.4	784.2	771.3	752.7	735.8	723.9	712.1	723.9
45°	455.5	495.6	535.6	549.9	555.7	547.8	526.3	494.3	430.6	367.0	430.6
47.5°	195.7	239.8	283.9	320.8	355.5	344.5	288.0	232.4	179.4	126.5	179.4
50°	90.1	124.5	158.8	205.0	255.0	244.7	173.8	114.6	90.3	66.0	90.3
52.5°	52.8	70.0	87.1	130.3	182.1	177.4	116.3	67.3	54.4	41.5	54.4
55°	22.5	28.3	34.0	57.4	86.7	85.3	53.1	27.7	22.7	17.7	22.7
57.5°	8.4	11.5	14.7	23.1	33.2	32.6	21.1	11.9	9.3	6.8	9.3
60°	3.2	4.6	6.1	10.2	15.2	14.8	9.1	4.5	3.0	1.6	3.0
62.5°	0.6	1.5	2.4	4.6	7.3	7.3	4.4	2.0	1.2	0.3	1.2
65°	0.0	0.0	0.0	0.5	1.3	1.3	0.5	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°	8931.4	8931.4	8931.4	8931.4	8931.4	8931.4	8931.4	8931.4	8931.4	8931.4	8931.4
2.5°	8883.9	8862.8	8831.3	8832.7	8867.1	8896.5	8911.4	8926.3	8911.4	8896.5	8867.1
5°	8599.0	8563.4	8516.9	8506.9	8533.3	8558.4	8579.1	8599.9	8579.1	8558.4	8533.3
7.5°	7952.4	7915.2	7863.7	7850.5	7875.7	7892.9	7886.2	7879.4	7886.2	7892.9	7875.7
10°	7334.8	7326.7	7309.5	7302.4	7305.2	7306.1	7301.1	7296.1	7301.1	7306.1	7305.2
12.5°	6641.1	6619.8	6594.0	6599.8	6637.0	6659.9	6640.0	6620.1	6640.0	6659.9	6637.0
15°	5543.1	5517.6	5483.2	5501.8	5573.4	5619.0	5586.8	5554.6	5586.8	5619.0	5573.4
17.5°	4479.8	4475.5	4469.1	4484.1	4520.6	4548.8	4552.1	4555.4	4552.1	4548.8	4520.6
20°	3809.1	3812.0	3817.0	3834.9	3865.6	3889.9	3895.0	3900.0	3895.0	3889.9	3865.6
22.5°	3268.6	3276.7	3289.2	3300.8	3311.5	3321.7	3330.1	3338.5	3330.1	3321.7	3311.5
25°	2595.7	2586.6	2569.4	2570.8	2590.9	2612.7	2639.9	2667.0	2639.9	2612.7	2590.9
27.5°	2106.3	2104.2	2102.4	2110.0	2127.0	2139.9	2140.3	2140.7	2140.3	2139.9	2127.0
30°	1847.2	1848.8	1848.1	1856.0	1872.5	1886.0	1891.1	1896.1	1891.1	1886.0	1872.5
32.5°	1629.6	1634.7	1638.5	1650.7	1671.2	1685.6	1682.0	1678.4	1682.0	1685.6	1671.2
35°	1335.4	1344.0	1354.7	1367.9	1383.7	1395.5	1395.5	1395.5	1395.5	1395.5	1383.7
37.5°	1069.6	1082.4	1097.5	1110.7	1121.9	1130.6	1131.8	1133.1	1131.8	1130.6	1121.9
40°	897.8	913.7	932.3	945.2	952.3	958.6	962.2	965.7	962.2	958.6	952.3
42.5°	735.8	752.7	771.3	784.2	791.4	794.3	784.7	775.2	784.7	794.3	791.4
45°	494.3	526.3	547.8	555.7	549.9	535.6	495.6	455.5	495.6	535.6	549.9
47.5°	232.4	288.0	344.5	355.5	320.8	283.9	239.8	195.7	239.8	283.9	320.8
50°	114.6	173.8	244.7	255.0	205.0	158.8	124.5	90.1	124.5	158.8	205.0
52.5°	67.3	116.3	177.4	182.1	130.3	87.1	70.0	52.8	70.0	87.1	130.3
55°	27.7	53.1	85.3	86.7	57.4	34.0	28.3	22.5	28.3	34.0	57.4
57.5°	11.9	21.1	32.6	33.2	23.1	14.7	11.5	8.4	11.5	14.7	23.1
60°	4.5	9.1	14.8	15.2	10.2	6.1	4.6	3.2	4.6	6.1	10.2
62.5°	2.0	4.4	7.3	7.3	4.6	2.4	1.5	0.6	1.5	2.4	4.6
65°	0.0	0.5	1.3	1.3	0.5	0.0	0.0	0.0	0.0	0.0	0.5
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: P1427648

CATALOG NUMBER: SQ2W-BBN-K-150U-125D-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: P1427648

CATALOG NUMBER: SQ2W-BBN-K-150U-125D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	8931.4	8931.4	8931.4	8931.4	8931.4	8931.4	8931.4	8931.4	8931.4	8931.4	8931.4
2.5°	8832.7	8831.3	8862.8	8883.9	8874.2	8864.5	8874.2	8883.9	8862.8	8831.3	8832.7
5°	8506.9	8516.9	8563.4	8599.0	8601.8	8604.7	8601.8	8599.0	8563.4	8516.9	8506.9
7.5°	7850.5	7863.7	7915.2	7952.4	7946.8	7941.2	7946.8	7952.4	7915.2	7863.7	7850.5
10°	7302.4	7309.5	7326.7	7334.8	7315.4	7296.1	7315.4	7334.8	7326.7	7309.5	7302.4
12.5°	6599.8	6594.0	6619.8	6641.1	6649.3	6657.5	6649.3	6641.1	6619.8	6594.0	6599.8
15°	5501.8	5483.2	5517.6	5543.1	5542.4	5541.7	5542.4	5543.1	5517.6	5483.2	5501.8
17.5°	4484.1	4469.1	4475.5	4479.8	4477.7	4475.5	4477.7	4479.8	4475.5	4469.1	4484.1
20°	3834.9	3817.0	3812.0	3809.1	3812.7	3816.3	3812.7	3809.1	3812.0	3817.0	3834.9
22.5°	3300.8	3289.2	3276.7	3268.6	3273.3	3278.0	3273.3	3268.6	3276.7	3289.2	3300.8
25°	2570.8	2569.4	2586.6	2595.7	2580.7	2565.6	2580.7	2595.7	2586.6	2569.4	2570.8
27.5°	2110.0	2102.4	2104.2	2106.3	2109.2	2112.1	2109.2	2106.3	2104.2	2102.4	2110.0
30°	1856.0	1848.1	1848.8	1847.2	1838.7	1830.1	1838.7	1847.2	1848.8	1848.1	1856.0
32.5°	1650.7	1638.5	1634.7	1629.6	1621.0	1612.5	1621.0	1629.6	1634.7	1638.5	1650.7
35°	1367.9	1354.7	1344.0	1335.4	1333.3	1331.1	1333.3	1335.4	1344.0	1354.7	1367.9
37.5°	1110.7	1097.5	1082.4	1069.6	1064.0	1058.4	1064.0	1069.6	1082.4	1097.5	1110.7
40°	945.2	932.3	913.7	897.8	889.9	882.0	889.9	897.8	913.7	932.3	945.2
42.5°	784.2	771.3	752.7	735.8	723.9	712.1	723.9	735.8	752.7	771.3	784.2
45°	555.7	547.8	526.3	494.3	430.6	367.0	430.6	494.3	526.3	547.8	555.7
47.5°	355.5	344.5	288.0	232.4	179.4	126.5	179.4	232.4	288.0	344.5	355.5
50°	255.0	244.7	173.8	114.6	90.3	66.0	90.3	114.6	173.8	244.7	255.0
52.5°	182.1	177.4	116.3	67.3	54.4	41.5	54.4	67.3	116.3	177.4	182.1
55°	86.7	85.3	53.1	27.7	22.7	17.7	22.7	27.7	53.1	85.3	86.7
57.5°	33.2	32.6	21.1	11.9	9.3	6.8	9.3	11.9	21.1	32.6	33.2
60°	15.2	14.8	9.1	4.5	3.0	1.6	3.0	4.5	9.1	14.8	15.2
62.5°	7.3	7.3	4.4	2.0	1.2	0.3	1.2	2.0	4.4	7.3	7.3
65°	1.3	1.3	0.5	0.0	0.0	0.0	0.0	0.5	1.3	1.3	1.3
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°	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: P1427648

CATALOG NUMBER: SQ2W-BBN-K-150U-125D-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: P1427648

CATALOG NUMBER: SQ2W-BBN-K-150U-125D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	8931.4	8931.4	8931.4	8931.4
2.5°	8867.1	8896.5	8911.4	8926.3
5°	8533.3	8558.4	8579.1	8599.9
7.5°	7875.7	7892.9	7886.2	7879.4
10°	7305.2	7306.1	7301.1	7296.1
12.5°	6637.0	6659.9	6640.0	6620.1
15°	5573.4	5619.0	5586.8	5554.6
17.5°	4520.6	4548.8	4552.1	4555.4
20°	3865.6	3889.9	3895.0	3900.0
22.5°	3311.5	3321.7	3330.1	3338.5
25°	2590.9	2612.7	2639.9	2667.0
27.5°	2127.0	2139.9	2140.3	2140.7
30°	1872.5	1886.0	1891.1	1896.1
32.5°	1671.2	1685.6	1682.0	1678.4
35°	1383.7	1395.5	1395.5	1395.5
37.5°	1121.9	1130.6	1131.8	1133.1
40°	952.3	958.6	962.2	965.7
42.5°	791.4	794.3	784.7	775.2
45°	549.9	535.6	495.6	455.5
47.5°	320.8	283.9	239.8	195.7
50°	205.0	158.8	124.5	90.1
52.5°	130.3	87.1	70.0	52.8
55°	57.4	34.0	28.3	22.5
57.5°	23.1	14.7	11.5	8.4
60°	10.2	6.1	4.6	3.2
62.5°	4.6	2.4	1.5	0.6
65°	0.5	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: P1427648

CATALOG NUMBER: SQ2W-BBN-K-150U-125D-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: P1427648  
 CATALOG NUMBER: SQ2W-BBN-K-150U-125D-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