

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: P1427640

Luminaire Tested: SQ2W-BBN-K-150U-050D-L935-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1427640  
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-050D-L935-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 500 LUMENS PER FOOT  
UPLIGHT 1500 LUMENS PER FOOT  
Light Source: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

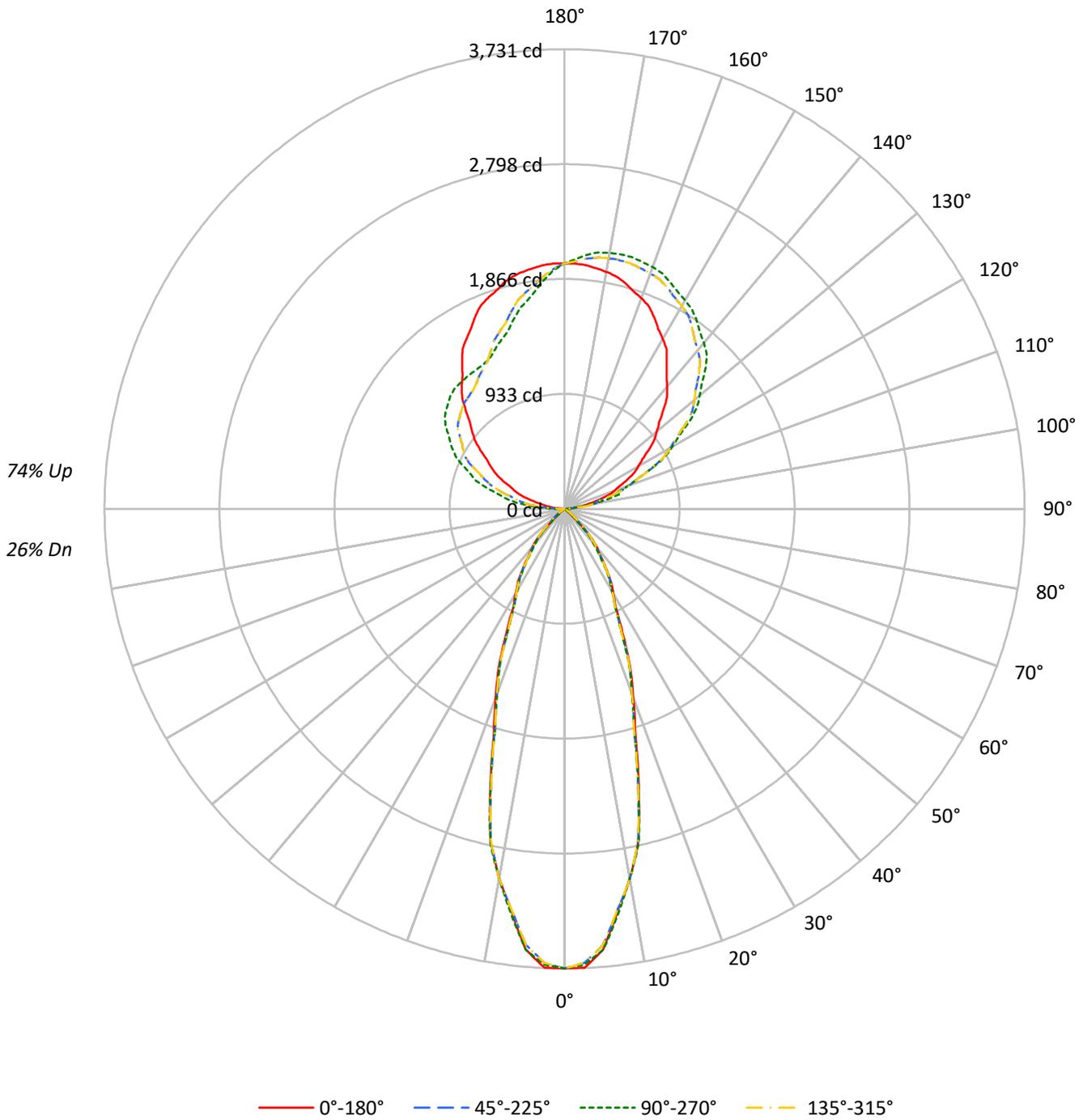
Lumens per Lamp: N/A  
Luminaire Lumens: 7839.4 lumens  
Efficiency: N/A  
Efficacy: 107.1 lumens/watt  
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.62  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

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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CATALOG NUMBER: SQ2W-BBN-K-150U-050D-L935-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	101	101	101	101	90	90	90	90	70	70	70	51	51	51	34	34	34	26				
1	94	90	87	84	84	81	78	75	63	61	60	47	46	45	32	31	31	24				
2	86	80	75	71	77	72	68	64	57	54	52	43	41	40	30	29	28	23				
3	80	72	66	61	71	65	60	56	52	48	45	39	37	36	28	27	26	21				
4	74	65	58	53	66	59	53	49	47	43	40	36	34	32	26	25	24	20				
5	69	59	52	47	61	53	47	43	43	39	36	34	31	29	25	23	22	19				
6	64	53	46	41	57	49	43	38	40	35	32	31	29	26	23	22	21	18				
7	59	49	42	37	54	45	39	35	37	32	29	29	26	24	22	20	19	17				
8	56	45	38	34	50	41	35	31	34	30	27	27	24	22	21	19	18	16				
9	52	41	35	31	47	38	32	29	32	27	25	25	23	21	20	18	17	15				
10	49	38	32	28	44	35	30	26	29	25	23	24	21	19	19	17	16	14				

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

	0°	90°	180°	270°
0°	60239	60239	60239	60239
5°	58224	58257	58224	58257
10°	49969	49969	49969	49969
15°	38786	38695	38786	38695
20°	27992	27391	27992	27391
25°	19847	19094	19847	19094
30°	14767	14253	14767	14253
35°	11491	10961	11491	10961
40°	8502	7767	8502	7767
45°	4345	3500	4345	3500
50°	947	693	947	693
55°	265	208	265	208
60°	42	23	42	23
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: 260°  
 Vertical Angle: 87.5°  
 Luminance: 6700 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	322.6	4.1
10°-20°	636.1	8.1
20°-30°	513.1	6.5
30°-40°	356.5	4.5
40°-50°	164.7	2.1
50°-60°	23.1	0.3
60°-70°	0.8	0.0
70°-80°	0.0	0.0
80°-90°	10.6	0.1
90°-100°	158.5	2.0
100°-110°	462.2	5.9
110°-120°	754.2	9.6
120°-130°	957.1	12.2
130°-140°	1024.1	13.1
140°-150°	956.3	12.2
150°-160°	786.9	10.0
160°-170°	527.7	6.7
170°-180°	187.4	2.4
0°-30°	1471.8	18.8
0°-40°	1828.3	23.3
0°-60°	2016.0	25.7
0°-90°	2027.3	25.9
90°-120°	1374.9	17.5
90°-150°	4312.4	55.0
90°-180°	5814.0	74.2
0°-180°	7839.4	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3731	3731	3731	3731	3731	
5°	3592	3594	3592	3594	3592	323
15°	2320	2315	2320	2315	2320	639
25°	1114	1072	1114	1072	1114	522
35°	583	556	583	556	583	365
45°	190	153	190	153	190	154
55°	9	7	9	7	9	12
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	6	44	6	86	6	5
95°	62	46	62	272	62	75
105°	294	471	294	648	294	312
115°	563	780	563	962	563	555
125°	833	1237	833	1179	833	745
135°	1132	1619	1132	1306	1132	875
145°	1446	1867	1446	1334	1446	905
155°	1718	2028	1718	1384	1718	790
165°	1899	2114	1899	1593	1899	535
175°	1985	2070	1985	1869	1985	188
180°	1991	1991	1991	1991	1991	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	3731.0	3731.0	3731.0	3731.0	3731.0	3731.0	3731.0	3731.0	3731.0	3731.0	3731.0
2.5°	3728.9	3722.7	3716.4	3704.1	3689.8	3689.2	3702.3	3711.2	3707.1	3703.1	3707.1
5°	3592.5	3583.8	3575.2	3564.7	3553.7	3557.8	3577.3	3592.1	3593.3	3594.5	3593.3
7.5°	3291.6	3294.4	3297.2	3290.0	3279.5	3285.0	3306.5	3322.0	3319.7	3317.4	3319.7
10°	3047.9	3050.0	3052.1	3051.7	3050.5	3053.5	3060.7	3064.0	3056.0	3047.9	3056.0
12.5°	2765.5	2773.8	2782.1	2772.5	2757.0	2754.6	2765.4	2774.3	2777.7	2781.1	2777.7
15°	2320.4	2333.8	2347.3	2328.2	2298.3	2290.6	2304.9	2315.6	2315.3	2315.0	2315.3
17.5°	1903.0	1901.6	1900.2	1888.4	1873.2	1866.9	1869.6	1871.4	1870.5	1869.6	1870.5
20°	1629.2	1627.1	1625.0	1614.8	1602.0	1594.5	1592.4	1591.2	1592.7	1594.2	1592.7
22.5°	1394.6	1391.1	1387.6	1383.3	1378.9	1374.0	1368.8	1365.4	1367.4	1369.4	1367.4
25°	1114.1	1102.8	1091.4	1082.3	1073.9	1073.3	1080.5	1084.3	1078.0	1071.8	1078.0
27.5°	894.3	894.1	893.9	888.5	881.4	878.2	879.0	879.9	881.1	882.3	881.1
30°	792.1	790.0	787.9	782.2	775.3	772.0	772.3	771.7	768.1	764.5	768.1
32.5°	701.2	702.6	704.1	698.1	689.6	684.5	682.9	680.8	677.2	673.6	677.2
35°	583.0	583.0	583.0	578.0	571.4	565.9	561.4	557.8	557.0	556.1	557.0
37.5°	473.4	472.8	472.3	468.6	464.0	458.5	452.2	446.8	444.5	442.2	444.5
40°	403.4	401.9	400.4	397.8	394.8	389.5	381.7	375.0	371.8	368.5	371.8
42.5°	323.8	327.8	331.8	330.6	327.6	322.2	314.4	307.4	302.4	297.5	302.4
45°	190.3	207.0	223.8	229.7	232.1	228.8	219.9	206.5	179.9	153.3	179.9
47.5°	81.8	100.2	118.6	134.0	148.5	143.9	120.3	97.1	75.0	52.8	75.0
50°	37.7	52.0	66.3	85.6	106.5	102.2	72.6	47.9	37.7	27.6	37.7
52.5°	22.1	29.2	36.4	54.4	76.1	74.1	48.6	28.1	22.7	17.3	22.7
55°	9.4	11.8	14.2	24.0	36.2	35.6	22.2	11.6	9.5	7.4	9.5
57.5°	3.5	4.8	6.1	9.6	13.9	13.6	8.8	5.0	3.9	2.8	3.9
60°	1.3	1.9	2.5	4.3	6.4	6.2	3.8	1.9	1.3	0.7	1.3
62.5°	0.3	0.6	1.0	1.9	3.1	3.0	1.8	0.9	0.5	0.1	0.5
65°	0.0	0.0	0.0	0.2	0.5	0.5	0.2	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	2.8	4.8	6.4	7.6	8.0	8.0	8.4	8.9	8.9	8.9
90°	6.0	14.1	24.1	32.2	38.2	40.2	40.2	42.2	44.3	44.3	44.3
92.5°	22.1	35.0	35.4	35.4	43.0	46.7	49.9	50.3	52.3	52.3	52.3
95°	62.4	68.4	102.6	100.6	68.4	54.3	46.3	46.3	46.3	46.3	46.3
97.5°	119.1	127.9	133.6	179.0	189.1	182.6	148.8	125.1	111.8	105.8	111.8
100°	169.0	173.0	185.1	187.1	237.4	285.6	261.5	231.3	221.3	215.2	221.3
102.5°	218.8	221.3	239.8	248.2	259.9	287.2	370.9	361.7	354.8	353.6	354.8
105°	293.7	295.7	329.9	346.0	354.0	354.0	352.0	392.2	456.6	470.7	456.6
107.5°	373.7	383.0	423.2	466.3	475.5	477.9	467.5	461.4	459.0	460.6	459.0
110°	428.4	442.5	490.8	545.1	559.2	563.2	559.2	553.2	549.1	549.1	549.1



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	481.5	502.1	556.8	619.1	642.9	654.9	646.1	641.7	637.6	640.9	637.6
115°	563.2	593.4	665.8	730.2	778.4	784.5	782.5	782.5	780.5	780.5	780.5
117.5°	638.8	687.1	768.4	843.2	899.1	915.2	923.3	920.9	918.4	922.5	918.4
120°	692.0	748.3	840.8	925.3	979.6	1003.7	1011.8	1007.8	1011.8	1007.8	1011.8
122.5°	748.3	817.5	908.4	996.1	1060.1	1087.4	1097.1	1097.9	1098.7	1096.3	1098.7
125°	832.8	917.2	1023.8	1114.4	1180.7	1212.9	1221.0	1223.0	1227.0	1237.1	1227.0
127.5°	918.0	1013.8	1130.9	1218.2	1286.1	1325.2	1337.6	1342.1	1350.5	1354.9	1350.5
130°	977.6	1086.2	1204.9	1287.3	1353.7	1396.0	1418.1	1424.1	1434.2	1432.2	1434.2
132.5°	1040.3	1153.8	1274.1	1359.8	1421.3	1466.8	1485.7	1503.0	1506.6	1509.4	1506.6
135°	1132.5	1255.2	1375.9	1460.3	1518.7	1562.9	1587.1	1603.2	1613.2	1619.2	1613.2
137.5°	1229.4	1359.0	1474.8	1550.0	1608.8	1647.0	1674.4	1691.3	1701.7	1706.5	1701.7
140°	1295.4	1420.1	1532.8	1611.2	1663.5	1701.7	1725.9	1746.0	1758.0	1758.0	1758.0
142.5°	1358.2	1481.3	1590.7	1669.1	1715.0	1750.0	1775.7	1791.0	1804.7	1804.7	1804.7
145°	1446.3	1569.0	1669.5	1748.0	1786.2	1818.4	1846.5	1858.6	1866.7	1866.7	1866.7
147.5°	1538.4	1647.0	1738.7	1814.0	1846.1	1884.0	1906.1	1915.7	1925.8	1921.4	1925.8
150°	1593.1	1693.7	1782.2	1852.6	1884.8	1921.0	1943.1	1951.1	1961.2	1955.2	1961.2
152.5°	1646.2	1741.9	1822.4	1888.0	1915.3	1951.5	1976.9	1984.9	1991.8	1987.3	1991.8
155°	1717.8	1802.3	1876.7	1937.1	1961.2	1995.4	2019.5	2029.6	2037.6	2027.6	2037.6
157.5°	1781.8	1854.6	1919.4	1974.9	2000.6	2030.0	2052.5	2065.0	2073.0	2068.6	2073.0
160°	1820.4	1886.8	1945.1	1997.4	2021.5	2047.7	2071.8	2085.9	2094.0	2087.9	2094.0
162.5°	1852.6	1912.5	1967.6	2015.1	2036.0	2059.0	2087.9	2100.4	2108.4	2100.8	2108.4
165°	1898.8	1947.1	1995.4	2035.6	2053.7	2071.8	2102.0	2116.1	2122.1	2114.1	2122.1
167.5°	1933.8	1970.9	2009.9	2044.5	2057.7	2075.4	2105.6	2117.3	2124.9	2114.9	2124.9
170°	1953.2	1985.3	2019.5	2047.7	2057.7	2073.8	2104.0	2114.1	2120.1	2110.0	2120.1
172.5°	1969.2	1993.4	2021.1	2046.1	2051.3	2064.2	2092.7	2102.8	2107.2	2098.8	2107.2
175°	1985.3	1999.4	2019.5	2035.6	2033.6	2041.7	2065.8	2073.8	2081.9	2069.8	2081.9
177.5°	1993.0	1999.4	2005.9	2015.5	2009.1	2009.1	2026.8	2031.6	2033.2	2026.8	2033.2
180°	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4



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**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	3731.0	3731.0	3731.0	3731.0	3731.0	3731.0	3731.0	3731.0	3731.0	3731.0	3731.0
2.5°	3711.2	3702.3	3689.2	3689.8	3704.1	3716.4	3722.7	3728.9	3722.7	3716.4	3704.1
5°	3592.1	3577.3	3557.8	3553.7	3564.7	3575.2	3583.8	3592.5	3583.8	3575.2	3564.7
7.5°	3322.0	3306.5	3285.0	3279.5	3290.0	3297.2	3294.4	3291.6	3294.4	3297.2	3290.0
10°	3064.0	3060.7	3053.5	3050.5	3051.7	3052.1	3050.0	3047.9	3050.0	3052.1	3051.7
12.5°	2774.3	2765.4	2754.6	2757.0	2772.5	2782.1	2773.8	2765.5	2773.8	2782.1	2772.5
15°	2315.6	2304.9	2290.6	2298.3	2328.2	2347.3	2333.8	2320.4	2333.8	2347.3	2328.2
17.5°	1871.4	1869.6	1866.9	1873.2	1888.4	1900.2	1901.6	1903.0	1901.6	1900.2	1888.4
20°	1591.2	1592.4	1594.5	1602.0	1614.8	1625.0	1627.1	1629.2	1627.1	1625.0	1614.8
22.5°	1365.4	1368.8	1374.0	1378.9	1383.3	1387.6	1391.1	1394.6	1391.1	1387.6	1383.3
25°	1084.3	1080.5	1073.3	1073.9	1082.3	1091.4	1102.8	1114.1	1102.8	1091.4	1082.3
27.5°	879.9	879.0	878.2	881.4	888.5	893.9	894.1	894.3	894.1	893.9	888.5
30°	771.7	772.3	772.0	775.3	782.2	787.9	790.0	792.1	790.0	787.9	782.2
32.5°	680.8	682.9	684.5	689.6	698.1	704.1	702.6	701.2	702.6	704.1	698.1
35°	557.8	561.4	565.9	571.4	578.0	583.0	583.0	583.0	583.0	583.0	578.0
37.5°	446.8	452.2	458.5	464.0	468.6	472.3	472.8	473.4	472.8	472.3	468.6
40°	375.0	381.7	389.5	394.8	397.8	400.4	401.9	403.4	401.9	400.4	397.8
42.5°	307.4	314.4	322.2	327.6	330.6	331.8	327.8	323.8	327.8	331.8	330.6
45°	206.5	219.9	228.8	232.1	229.7	223.8	207.0	190.3	207.0	223.8	229.7
47.5°	97.1	120.3	143.9	148.5	134.0	118.6	100.2	81.8	100.2	118.6	134.0
50°	47.9	72.6	102.2	106.5	85.6	66.3	52.0	37.7	52.0	66.3	85.6
52.5°	28.1	48.6	74.1	76.1	54.4	36.4	29.2	22.1	29.2	36.4	54.4
55°	11.6	22.2	35.6	36.2	24.0	14.2	11.8	9.4	11.8	14.2	24.0
57.5°	5.0	8.8	13.6	13.9	9.6	6.1	4.8	3.5	4.8	6.1	9.6
60°	1.9	3.8	6.2	6.4	4.3	2.5	1.9	1.3	1.9	2.5	4.3
62.5°	0.9	1.8	3.0	3.1	1.9	1.0	0.6	0.3	0.6	1.0	1.9
65°	0.0	0.2	0.5	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.2
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°	8.4	8.0	8.0	7.6	6.4	4.8	2.8	1.2	2.8	4.4	7.2
90°	42.2	40.2	40.2	38.2	32.2	24.1	14.1	6.0	14.1	22.1	36.2
92.5°	50.3	49.9	46.7	43.0	35.4	35.4	35.0	22.1	38.2	54.3	78.0
95°	46.3	46.3	54.3	68.4	100.6	102.6	68.4	62.4	88.5	124.7	156.9
97.5°	125.1	148.8	182.6	189.1	179.0	133.6	127.9	119.1	162.1	197.9	249.8
100°	231.3	261.5	285.6	237.4	187.1	185.1	173.0	169.0	215.2	249.4	299.7
102.5°	361.7	370.9	287.2	259.9	248.2	239.8	221.3	218.8	265.1	312.2	354.4
105°	392.2	352.0	354.0	354.0	346.0	329.9	295.7	293.7	346.0	400.3	452.6
107.5°	461.4	467.5	477.9	475.5	466.3	423.2	383.0	373.7	420.8	486.0	543.5
110°	553.2	559.2	563.2	559.2	545.1	490.8	442.5	428.4	470.7	539.1	601.4



TEST NUMBER: P1427640

CATALOG NUMBER: SQ2W-BBN-K-150U-050D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	641.7	646.1	654.9	642.9	619.1	556.8	502.1	481.5	523.8	593.8	657.8
115°	782.5	782.5	784.5	778.4	730.2	665.8	593.4	563.2	599.4	663.8	734.2
117.5°	920.9	923.3	915.2	899.1	843.2	768.4	687.1	638.8	667.4	735.4	807.8
120°	1007.8	1011.8	1003.7	979.6	925.3	840.8	748.3	692.0	714.1	780.5	852.9
122.5°	1097.9	1097.1	1087.4	1060.1	996.1	908.4	817.5	748.3	757.5	819.1	889.9
125°	1223.0	1221.0	1212.9	1180.7	1114.4	1023.8	917.2	832.8	820.7	873.0	945.4
127.5°	1342.1	1337.6	1325.2	1286.1	1218.2	1130.9	1013.8	918.0	891.1	924.1	990.5
130°	1424.1	1418.1	1396.0	1353.7	1287.3	1204.9	1086.2	977.6	939.4	959.5	1017.8
132.5°	1503.0	1485.7	1466.8	1421.3	1359.8	1274.1	1153.8	1040.3	987.6	996.5	1041.9
135°	1603.2	1587.1	1562.9	1518.7	1460.3	1375.9	1255.2	1132.5	1060.1	1052.0	1078.2
137.5°	1691.3	1674.4	1647.0	1608.8	1550.0	1474.8	1359.0	1229.4	1138.1	1111.1	1121.2
140°	1746.0	1725.9	1701.7	1663.5	1611.2	1532.8	1420.1	1295.4	1192.8	1154.6	1148.6
142.5°	1791.0	1775.7	1750.0	1715.0	1669.1	1590.7	1481.3	1358.2	1249.1	1199.6	1185.6
145°	1858.6	1846.5	1818.4	1786.2	1748.0	1669.5	1569.0	1446.3	1337.6	1273.3	1243.1
147.5°	1915.7	1906.1	1884.0	1846.1	1814.0	1738.7	1647.0	1538.4	1426.9	1347.3	1308.3
150°	1951.1	1943.1	1921.0	1884.8	1852.6	1782.2	1693.7	1593.1	1486.5	1402.0	1351.7
152.5°	1984.9	1976.9	1951.5	1915.3	1888.0	1822.4	1741.9	1646.2	1538.0	1453.5	1401.6
155°	2029.6	2019.5	1995.4	1961.2	1937.1	1876.7	1802.3	1717.8	1625.3	1536.8	1478.4
157.5°	2065.0	2052.5	2030.0	2000.6	1974.9	1919.4	1854.6	1781.8	1700.9	1616.4	1556.9
160°	2085.9	2071.8	2047.7	2021.5	1997.4	1945.1	1886.8	1820.4	1746.0	1669.5	1605.2
162.5°	2100.4	2087.9	2059.0	2036.0	2015.1	1967.6	1912.5	1852.6	1786.2	1719.4	1659.9
165°	2116.1	2102.0	2071.8	2053.7	2035.6	1995.4	1947.1	1898.8	1842.5	1788.2	1739.9
167.5°	2117.3	2105.6	2075.4	2057.7	2044.5	2009.9	1970.9	1933.8	1890.0	1847.3	1807.1
170°	2114.1	2104.0	2073.8	2057.7	2047.7	2019.5	1985.3	1953.2	1919.0	1882.7	1850.6
172.5°	2102.8	2092.7	2064.2	2051.3	2046.1	2021.1	1993.4	1969.2	1939.9	1913.3	1887.6
175°	2073.8	2065.8	2041.7	2033.6	2035.6	2019.5	1999.4	1985.3	1967.2	1951.1	1937.1
177.5°	2031.6	2026.8	2009.1	2009.1	2015.5	2005.9	1999.4	1993.0	1984.9	1980.1	1975.3
180°	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4



TEST NUMBER: P1427640

CATALOG NUMBER: SQ2W-BBN-K-150U-050D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	3731.0	3731.0	3731.0	3731.0	3731.0	3731.0	3731.0	3731.0	3731.0	3731.0	3731.0
2.5°	3689.8	3689.2	3702.3	3711.2	3707.1	3703.1	3707.1	3711.2	3702.3	3689.2	3689.8
5°	3553.7	3557.8	3577.3	3592.1	3593.3	3594.5	3593.3	3592.1	3577.3	3557.8	3553.7
7.5°	3279.5	3285.0	3306.5	3322.0	3319.7	3317.4	3319.7	3322.0	3306.5	3285.0	3279.5
10°	3050.5	3053.5	3060.7	3064.0	3056.0	3047.9	3056.0	3064.0	3060.7	3053.5	3050.5
12.5°	2757.0	2754.6	2765.4	2774.3	2777.7	2781.1	2777.7	2774.3	2765.4	2754.6	2757.0
15°	2298.3	2290.6	2304.9	2315.6	2315.3	2315.0	2315.3	2315.6	2304.9	2290.6	2298.3
17.5°	1873.2	1866.9	1869.6	1871.4	1870.5	1869.6	1870.5	1871.4	1869.6	1866.9	1873.2
20°	1602.0	1594.5	1592.4	1591.2	1592.7	1594.2	1592.7	1591.2	1592.4	1594.5	1602.0
22.5°	1378.9	1374.0	1368.8	1365.4	1367.4	1369.4	1367.4	1365.4	1368.8	1374.0	1378.9
25°	1073.9	1073.3	1080.5	1084.3	1078.0	1071.8	1078.0	1084.3	1080.5	1073.3	1073.9
27.5°	881.4	878.2	879.0	879.9	881.1	882.3	881.1	879.9	879.0	878.2	881.4
30°	775.3	772.0	772.3	771.7	768.1	764.5	768.1	771.7	772.3	772.0	775.3
32.5°	689.6	684.5	682.9	680.8	677.2	673.6	677.2	680.8	682.9	684.5	689.6
35°	571.4	565.9	561.4	557.8	557.0	556.1	557.0	557.8	561.4	565.9	571.4
37.5°	464.0	458.5	452.2	446.8	444.5	442.2	444.5	446.8	452.2	458.5	464.0
40°	394.8	389.5	381.7	375.0	371.8	368.5	371.8	375.0	381.7	389.5	394.8
42.5°	327.6	322.2	314.4	307.4	302.4	297.5	302.4	307.4	314.4	322.2	327.6
45°	232.1	228.8	219.9	206.5	179.9	153.3	179.9	206.5	219.9	228.8	232.1
47.5°	148.5	143.9	120.3	97.1	75.0	52.8	75.0	97.1	120.3	143.9	148.5
50°	106.5	102.2	72.6	47.9	37.7	27.6	37.7	47.9	72.6	102.2	106.5
52.5°	76.1	74.1	48.6	28.1	22.7	17.3	22.7	28.1	48.6	74.1	76.1
55°	36.2	35.6	22.2	11.6	9.5	7.4	9.5	11.6	22.2	35.6	36.2
57.5°	13.9	13.6	8.8	5.0	3.9	2.8	3.9	5.0	8.8	13.6	13.9
60°	6.4	6.2	3.8	1.9	1.3	0.7	1.3	1.9	3.8	6.2	6.4
62.5°	3.1	3.0	1.8	0.9	0.5	0.1	0.5	0.9	1.8	3.0	3.1
65°	0.5	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.5	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°	9.3	12.1	14.9	16.5	18.1	17.3	18.1	16.5	14.9	12.1	9.3
90°	46.3	60.3	74.4	82.5	90.5	86.5	90.5	82.5	74.4	60.3	46.3
92.5°	92.9	116.7	134.0	148.4	154.9	154.1	154.9	148.4	134.0	116.7	92.9
95°	187.1	215.2	243.4	263.5	275.6	271.6	275.6	263.5	243.4	215.2	187.1
97.5°	288.4	326.3	357.6	376.5	388.6	396.7	388.6	376.5	357.6	326.3	288.4
100°	356.0	392.2	428.4	450.6	470.7	478.7	470.7	450.6	428.4	392.2	356.0
102.5°	410.7	458.2	497.6	521.4	538.3	546.3	538.3	521.4	497.6	458.2	410.7
105°	500.9	551.1	593.4	623.6	641.7	647.7	641.7	623.6	593.4	551.1	500.9
107.5°	591.0	642.9	681.9	715.3	737.4	750.3	737.4	715.3	681.9	642.9	591.0
110°	661.8	704.0	746.3	776.4	798.6	806.6	798.6	776.4	746.3	704.0	661.8



TEST NUMBER: P1427640

CATALOG NUMBER: SQ2W-BBN-K-150U-050D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	721.3	768.4	810.6	840.8	866.1	877.4	866.1	840.8	810.6	768.4	721.3
115°	804.6	866.9	905.2	933.3	951.4	961.5	951.4	933.3	905.2	866.9	804.6
117.5°	873.8	939.0	980.8	1002.5	1011.0	1018.2	1011.0	1002.5	980.8	939.0	873.8
120°	917.2	977.6	1025.9	1054.0	1064.1	1068.1	1064.1	1054.0	1025.9	977.6	917.2
122.5°	957.5	1014.6	1061.3	1095.9	1112.4	1116.4	1112.4	1095.9	1061.3	1014.6	957.5
125°	1013.8	1068.1	1116.4	1150.6	1168.7	1178.7	1168.7	1150.6	1116.4	1068.1	1013.8
127.5°	1062.9	1121.6	1165.9	1196.8	1214.5	1222.6	1214.5	1196.8	1165.9	1121.6	1062.9
130°	1090.2	1150.6	1194.8	1229.0	1245.1	1253.2	1245.1	1229.0	1194.8	1150.6	1090.2
132.5°	1111.1	1174.7	1220.6	1251.5	1269.2	1277.3	1269.2	1251.5	1220.6	1174.7	1111.1
135°	1136.5	1202.9	1251.1	1281.3	1297.4	1305.5	1297.4	1281.3	1251.1	1202.9	1136.5
137.5°	1158.6	1219.0	1269.2	1301.0	1315.5	1320.7	1315.5	1301.0	1269.2	1219.0	1158.6
140°	1174.7	1227.0	1277.3	1307.5	1323.6	1325.6	1323.6	1307.5	1277.3	1227.0	1174.7
142.5°	1195.6	1236.7	1280.5	1310.7	1326.8	1330.4	1326.8	1310.7	1280.5	1236.7	1195.6
145°	1233.0	1257.2	1287.3	1315.5	1329.6	1333.6	1329.6	1315.5	1287.3	1257.2	1233.0
147.5°	1280.1	1287.8	1303.4	1321.9	1335.6	1338.4	1335.6	1321.9	1303.4	1287.8	1280.1
150°	1315.5	1313.5	1319.5	1331.6	1343.7	1341.7	1343.7	1331.6	1319.5	1313.5	1315.5
152.5°	1355.7	1344.1	1343.7	1349.3	1354.9	1354.5	1354.9	1349.3	1343.7	1344.1	1355.7
155°	1424.1	1402.0	1389.9	1385.9	1385.9	1383.9	1385.9	1385.9	1389.9	1402.0	1424.1
157.5°	1499.4	1468.4	1450.3	1440.6	1437.8	1433.4	1437.8	1440.6	1450.3	1468.4	1499.4
160°	1550.9	1516.7	1498.6	1482.5	1476.4	1470.4	1476.4	1482.5	1498.6	1516.7	1550.9
162.5°	1599.1	1566.5	1546.8	1532.3	1526.3	1517.1	1526.3	1532.3	1546.8	1566.5	1599.1
165°	1677.6	1643.4	1621.3	1609.2	1601.1	1593.1	1601.1	1609.2	1621.3	1643.4	1677.6
167.5°	1756.0	1718.6	1704.1	1690.5	1682.8	1668.3	1682.8	1690.5	1704.1	1718.6	1756.0
170°	1804.3	1770.1	1762.1	1750.0	1735.9	1719.8	1735.9	1750.0	1762.1	1770.1	1804.3
172.5°	1846.1	1823.2	1815.2	1803.1	1798.7	1785.8	1798.7	1803.1	1815.2	1823.2	1846.1
175°	1906.9	1888.8	1888.8	1886.8	1880.7	1868.7	1880.7	1886.8	1888.8	1888.8	1906.9
177.5°	1957.6	1947.9	1954.4	1954.4	1952.7	1941.5	1952.7	1954.4	1954.4	1947.9	1957.6
180°	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4



TEST NUMBER: P1427640

CATALOG NUMBER: SQ2W-BBN-K-150U-050D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	3731.0	3731.0	3731.0	3731.0
2.5°	3704.1	3716.4	3722.7	3728.9
5°	3564.7	3575.2	3583.8	3592.5
7.5°	3290.0	3297.2	3294.4	3291.6
10°	3051.7	3052.1	3050.0	3047.9
12.5°	2772.5	2782.1	2773.8	2765.5
15°	2328.2	2347.3	2333.8	2320.4
17.5°	1888.4	1900.2	1901.6	1903.0
20°	1614.8	1625.0	1627.1	1629.2
22.5°	1383.3	1387.6	1391.1	1394.6
25°	1082.3	1091.4	1102.8	1114.1
27.5°	888.5	893.9	894.1	894.3
30°	782.2	787.9	790.0	792.1
32.5°	698.1	704.1	702.6	701.2
35°	578.0	583.0	583.0	583.0
37.5°	468.6	472.3	472.8	473.4
40°	397.8	400.4	401.9	403.4
42.5°	330.6	331.8	327.8	323.8
45°	229.7	223.8	207.0	190.3
47.5°	134.0	118.6	100.2	81.8
50°	85.6	66.3	52.0	37.7
52.5°	54.4	36.4	29.2	22.1
55°	24.0	14.2	11.8	9.4
57.5°	9.6	6.1	4.8	3.5
60°	4.3	2.5	1.9	1.3
62.5°	1.9	1.0	0.6	0.3
65°	0.2	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°	7.2	4.4	2.8	1.2
90°	36.2	22.1	14.1	6.0
92.5°	78.0	54.3	38.2	22.1
95°	156.9	124.7	88.5	62.4
97.5°	249.8	197.9	162.1	119.1
100°	299.7	249.4	215.2	169.0
102.5°	354.4	312.2	265.1	218.8
105°	452.6	400.3	346.0	293.7
107.5°	543.5	486.0	420.8	373.7
110°	601.4	539.1	470.7	428.4



TEST NUMBER: P1427640

CATALOG NUMBER: SQ2W-BBN-K-150U-050D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
112.5°	657.8	593.8	523.8	481.5
115°	734.2	663.8	599.4	563.2
117.5°	807.8	735.4	667.4	638.8
120°	852.9	780.5	714.1	692.0
122.5°	889.9	819.1	757.5	748.3
125°	945.4	873.0	820.7	832.8
127.5°	990.5	924.1	891.1	918.0
130°	1017.8	959.5	939.4	977.6
132.5°	1041.9	996.5	987.6	1040.3
135°	1078.2	1052.0	1060.1	1132.5
137.5°	1121.2	1111.1	1138.1	1229.4
140°	1148.6	1154.6	1192.8	1295.4
142.5°	1185.6	1199.6	1249.1	1358.2
145°	1243.1	1273.3	1337.6	1446.3
147.5°	1308.3	1347.3	1426.9	1538.4
150°	1351.7	1402.0	1486.5	1593.1
152.5°	1401.6	1453.5	1538.0	1646.2
155°	1478.4	1536.8	1625.3	1717.8
157.5°	1556.9	1616.4	1700.9	1781.8
160°	1605.2	1669.5	1746.0	1820.4
162.5°	1659.9	1719.4	1786.2	1852.6
165°	1739.9	1788.2	1842.5	1898.8
167.5°	1807.1	1847.3	1890.0	1933.8
170°	1850.6	1882.7	1919.0	1953.2
172.5°	1887.6	1913.3	1939.9	1969.2
175°	1937.1	1951.1	1967.2	1985.3
177.5°	1975.3	1980.1	1984.9	1993.0
180°	1991.4	1991.4	1991.4	1991.4



TEST NUMBER: P1427640

CATALOG NUMBER: SQ2W-BBN-K-150U-050D-L935-UNV-STD-W-WM-4

**CIE UGR TABLE:**

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	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