

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: P1427643

Luminaire Tested: SQ2W-BBN-K-150U-075D-L935-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1427643  
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-075D-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 750 LUMENS PER FOOT  
UPLIGHT 1500 LUMENS PER FOOT  
Light Source: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

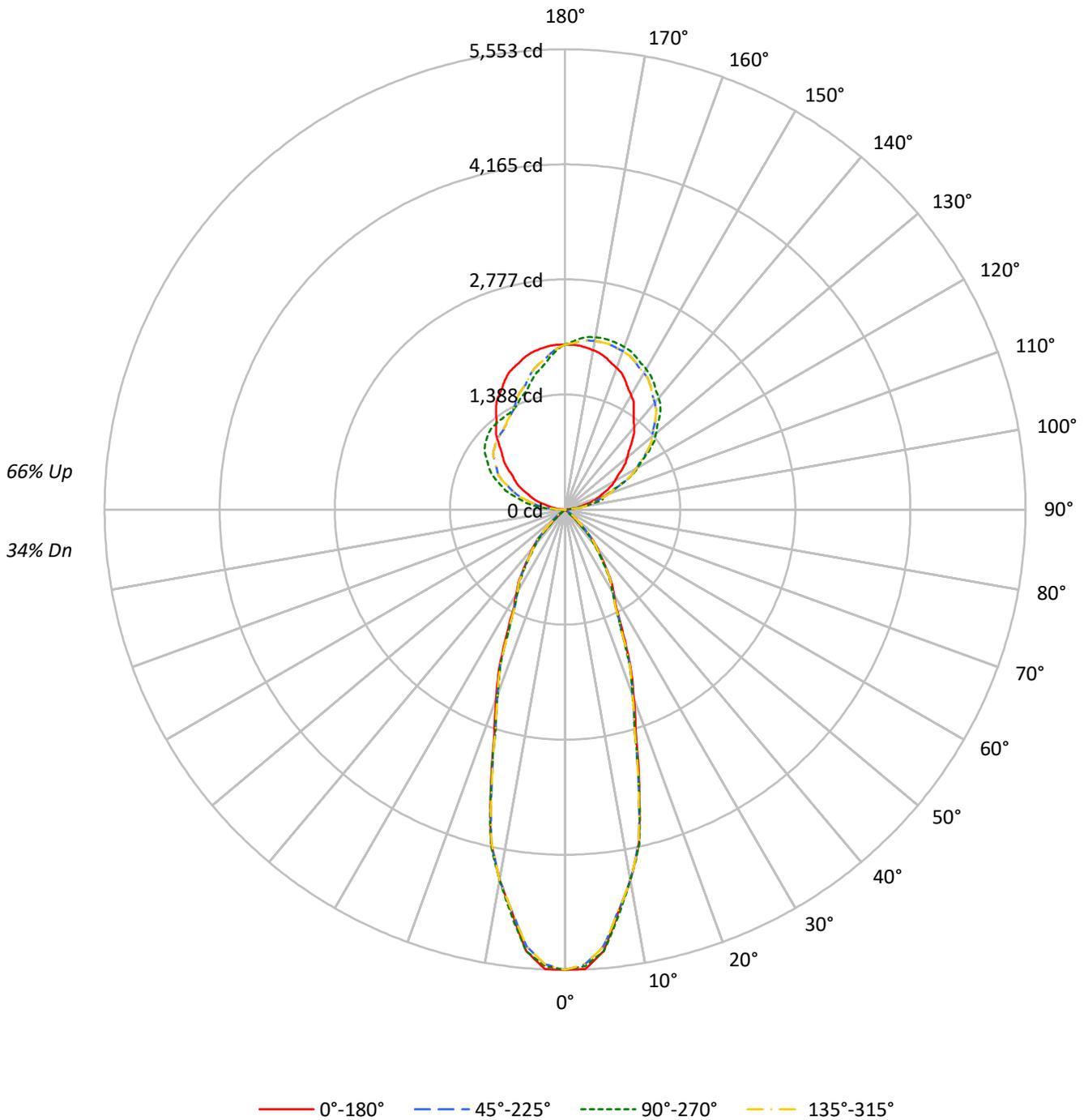
Lumens per Lamp: N/A  
Luminaire Lumens: 8824.4 lumens  
Efficiency: N/A  
Efficacy: 106.7 lumens/watt  
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.62  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

Input Watts (W): 82.7  
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-075D-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	0
RCR																		
0	103	103	103	103	93	93	93	93	75	75	75	57	57	57	42	42	42	34
1	96	92	89	86	87	84	81	79	68	66	64	53	52	51	39	39	38	32
2	89	83	78	74	80	75	71	68	62	59	56	49	47	46	37	36	35	30
3	82	75	69	64	75	68	63	59	56	53	50	45	43	41	35	34	33	28
4	77	68	61	56	70	62	57	52	52	48	45	42	39	37	33	31	30	26
5	71	62	55	50	65	57	51	47	48	43	40	39	36	34	31	29	28	25
6	67	56	50	45	61	52	46	42	44	40	37	36	34	31	29	27	26	23
7	62	52	45	40	57	48	42	38	41	37	34	34	31	29	28	26	25	22
8	58	48	41	37	54	45	39	35	38	34	31	32	29	27	26	24	23	21
9	55	45	38	34	50	41	36	32	36	31	29	30	27	25	25	23	22	20
10	52	41	35	31	48	39	33	30	33	29	27	28	26	23	24	22	21	19

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

	0°	90°	180°	270°
0°	89661	89661	89661	89661
5°	86662	86710	86662	86710
10°	74374	74374	74374	74374
15°	57727	57594	57727	57594
20°	41664	40769	41664	40769
25°	29542	28418	29542	28418
30°	21979	21214	21979	21214
35°	17102	16312	17102	16312
40°	12656	11558	12656	11558
45°	6466	5211	6466	5211
50°	1407	1030	1407	1030
55°	394	310	394	310
60°	65	32	65	32
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: 7889 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	480.2	5.4
10°-20°	946.8	10.7
20°-30°	763.7	8.7
30°-40°	530.5	6.0
40°-50°	245.1	2.8
50°-60°	34.3	0.4
60°-70°	1.2	0.0
70°-80°	0.0	0.0
80°-90°	10.6	0.1
90°-100°	158.5	1.8
100°-110°	462.2	5.2
110°-120°	754.2	8.5
120°-130°	957.1	10.8
130°-140°	1024.1	11.6
140°-150°	956.3	10.8
150°-160°	786.9	8.9
160°-170°	527.7	6.0
170°-180°	187.4	2.1
0°-30°	2190.7	24.8
0°-40°	2721.2	30.8
0°-60°	3000.6	34.0
0°-90°	3012.3	34.1
90°-120°	1374.9	15.6
90°-150°	4312.4	48.9
90°-180°	5814.0	65.9
0°-180°	8824.4	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	5553	5553	5553	5553	5553	
5°	5347	5350	5347	5350	5347	481
15°	3454	3446	3454	3446	3454	951
25°	1658	1595	1658	1595	1658	776
35°	868	828	868	828	868	543
45°	283	228	283	228	283	229
55°	14	11	14	11	14	18
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°	5553.3	5553.3	5553.3	5553.3	5553.3	5553.3	5553.3	5553.3	5553.3	5553.3	5553.3
2.5°	5550.1	5540.8	5531.6	5513.2	5491.9	5491.0	5510.6	5523.7	5517.7	5511.6	5517.7
5°	5347.1	5334.2	5321.3	5305.7	5289.3	5295.5	5324.4	5346.5	5348.3	5350.1	5348.3
7.5°	4899.2	4903.3	4907.5	4896.8	4881.2	4889.3	4921.4	4944.5	4941.1	4937.6	4941.1
10°	4536.5	4539.6	4542.7	4542.1	4540.4	4544.8	4555.5	4560.5	4548.5	4536.5	4548.5
12.5°	4116.2	4128.5	4140.9	4126.6	4103.5	4099.9	4116.0	4129.2	4134.3	4139.4	4134.3
15°	3453.6	3473.7	3493.7	3465.3	3420.8	3409.3	3430.6	3446.5	3446.1	3445.6	3446.1
17.5°	2832.4	2830.3	2828.3	2810.8	2788.1	2778.7	2782.7	2785.4	2784.1	2782.7	2784.1
20°	2424.9	2421.7	2418.6	2403.5	2384.4	2373.3	2370.2	2368.4	2370.6	2372.8	2370.6
22.5°	2075.8	2070.5	2065.3	2059.0	2052.3	2045.1	2037.4	2032.3	2035.2	2038.2	2035.2
25°	1658.3	1641.4	1624.5	1610.9	1598.4	1597.6	1608.2	1613.9	1604.6	1595.2	1604.6
27.5°	1331.0	1330.8	1330.5	1322.5	1311.9	1307.2	1308.3	1309.6	1311.4	1313.2	1311.4
30°	1178.9	1175.8	1172.7	1164.2	1154.0	1149.1	1149.5	1148.5	1143.2	1137.9	1143.2
32.5°	1043.6	1045.8	1048.0	1039.1	1026.3	1018.8	1016.4	1013.2	1007.9	1002.6	1007.9
35°	867.7	867.7	867.7	860.3	850.5	842.3	835.6	830.3	829.0	827.6	829.0
37.5°	704.5	703.7	702.9	697.5	690.6	682.4	673.0	665.0	661.6	658.1	661.6
40°	600.5	598.2	596.0	592.1	587.7	579.7	568.1	558.2	553.3	548.4	553.3
42.5°	482.0	487.9	493.9	492.0	487.6	479.6	468.0	457.5	450.1	442.7	450.1
45°	283.2	308.1	333.0	341.9	345.5	340.6	327.3	307.3	267.8	228.2	267.8
47.5°	121.7	149.1	176.5	199.5	221.0	214.2	179.1	144.5	111.6	78.7	111.6
50°	56.0	77.4	98.7	127.4	158.6	152.1	108.1	71.3	56.2	41.0	56.2
52.5°	32.8	43.5	54.2	81.0	113.2	110.3	72.3	41.8	33.8	25.8	33.8
55°	14.0	17.6	21.1	35.7	53.9	53.0	33.0	17.2	14.1	11.0	14.1
57.5°	5.2	7.2	9.1	14.3	20.7	20.3	13.1	7.4	5.8	4.2	5.8
60°	2.0	2.9	3.8	6.3	9.5	9.2	5.7	2.8	1.9	1.0	1.9
62.5°	0.4	0.9	1.5	2.9	4.6	4.5	2.7	1.3	0.7	0.2	0.7
65°	0.0	0.0	0.0	0.3	0.8	0.8	0.3	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°	5553.3	5553.3	5553.3	5553.3	5553.3	5553.3	5553.3	5553.3	5553.3	5553.3	5553.3
2.5°	5523.7	5510.6	5491.0	5491.9	5513.2	5531.6	5540.8	5550.1	5540.8	5531.6	5513.2
5°	5346.5	5324.4	5295.5	5289.3	5305.7	5321.3	5334.2	5347.1	5334.2	5321.3	5305.7
7.5°	4944.5	4921.4	4889.3	4881.2	4896.8	4907.5	4903.3	4899.2	4903.3	4907.5	4896.8
10°	4560.5	4555.5	4544.8	4540.4	4542.1	4542.7	4539.6	4536.5	4539.6	4542.7	4542.1
12.5°	4129.2	4116.0	4099.9	4103.5	4126.6	4140.9	4128.5	4116.2	4128.5	4140.9	4126.6
15°	3446.5	3430.6	3409.3	3420.8	3465.3	3493.7	3473.7	3453.6	3473.7	3493.7	3465.3
17.5°	2785.4	2782.7	2778.7	2788.1	2810.8	2828.3	2830.3	2832.4	2830.3	2828.3	2810.8
20°	2368.4	2370.2	2373.3	2384.4	2403.5	2418.6	2421.7	2424.9	2421.7	2418.6	2403.5
22.5°	2032.3	2037.4	2045.1	2052.3	2059.0	2065.3	2070.5	2075.8	2070.5	2065.3	2059.0
25°	1613.9	1608.2	1597.6	1598.4	1610.9	1624.5	1641.4	1658.3	1641.4	1624.5	1610.9
27.5°	1309.6	1308.3	1307.2	1311.9	1322.5	1330.5	1330.8	1331.0	1330.8	1330.5	1322.5
30°	1148.5	1149.5	1149.1	1154.0	1164.2	1172.7	1175.8	1178.9	1175.8	1172.7	1164.2
32.5°	1013.2	1016.4	1018.8	1026.3	1039.1	1048.0	1045.8	1043.6	1045.8	1048.0	1039.1
35°	830.3	835.6	842.3	850.5	860.3	867.7	867.7	867.7	867.7	867.7	860.3
37.5°	665.0	673.0	682.4	690.6	697.5	702.9	703.7	704.5	703.7	702.9	697.5
40°	558.2	568.1	579.7	587.7	592.1	596.0	598.2	600.5	598.2	596.0	592.1
42.5°	457.5	468.0	479.6	487.6	492.0	493.9	487.9	482.0	487.9	493.9	492.0
45°	307.3	327.3	340.6	345.5	341.9	333.0	308.1	283.2	308.1	333.0	341.9
47.5°	144.5	179.1	214.2	221.0	199.5	176.5	149.1	121.7	149.1	176.5	199.5
50°	71.3	108.1	152.1	158.6	127.4	98.7	77.4	56.0	77.4	98.7	127.4
52.5°	41.8	72.3	110.3	113.2	81.0	54.2	43.5	32.8	43.5	54.2	81.0
55°	17.2	33.0	53.0	53.9	35.7	21.1	17.6	14.0	17.6	21.1	35.7
57.5°	7.4	13.1	20.3	20.7	14.3	9.1	7.2	5.2	7.2	9.1	14.3
60°	2.8	5.7	9.2	9.5	6.3	3.8	2.9	2.0	2.9	3.8	6.3
62.5°	1.3	2.7	4.5	4.6	2.9	1.5	0.9	0.4	0.9	1.5	2.9
65°	0.0	0.3	0.8	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.3
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°	8.4	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: P1427643

CATALOG NUMBER: SQ2W-BBN-K-150U-075D-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: P1427643

CATALOG NUMBER: SQ2W-BBN-K-150U-075D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	5553.3	5553.3	5553.3	5553.3	5553.3	5553.3	5553.3	5553.3	5553.3	5553.3	5553.3
2.5°	5491.9	5491.0	5510.6	5523.7	5517.7	5511.6	5517.7	5523.7	5510.6	5491.0	5491.9
5°	5289.3	5295.5	5324.4	5346.5	5348.3	5350.1	5348.3	5346.5	5324.4	5295.5	5289.3
7.5°	4881.2	4889.3	4921.4	4944.5	4941.1	4937.6	4941.1	4944.5	4921.4	4889.3	4881.2
10°	4540.4	4544.8	4555.5	4560.5	4548.5	4536.5	4548.5	4560.5	4555.5	4544.8	4540.4
12.5°	4103.5	4099.9	4116.0	4129.2	4134.3	4139.4	4134.3	4129.2	4116.0	4099.9	4103.5
15°	3420.8	3409.3	3430.6	3446.5	3446.1	3445.6	3446.1	3446.5	3430.6	3409.3	3420.8
17.5°	2788.1	2778.7	2782.7	2785.4	2784.1	2782.7	2784.1	2785.4	2782.7	2778.7	2788.1
20°	2384.4	2373.3	2370.2	2368.4	2370.6	2372.8	2370.6	2368.4	2370.2	2373.3	2384.4
22.5°	2052.3	2045.1	2037.4	2032.3	2035.2	2038.2	2035.2	2032.3	2037.4	2045.1	2052.3
25°	1598.4	1597.6	1608.2	1613.9	1604.6	1595.2	1604.6	1613.9	1608.2	1597.6	1598.4
27.5°	1311.9	1307.2	1308.3	1309.6	1311.4	1313.2	1311.4	1309.6	1308.3	1307.2	1311.9
30°	1154.0	1149.1	1149.5	1148.5	1143.2	1137.9	1143.2	1148.5	1149.5	1149.1	1154.0
32.5°	1026.3	1018.8	1016.4	1013.2	1007.9	1002.6	1007.9	1013.2	1016.4	1018.8	1026.3
35°	850.5	842.3	835.6	830.3	829.0	827.6	829.0	830.3	835.6	842.3	850.5
37.5°	690.6	682.4	673.0	665.0	661.6	658.1	661.6	665.0	673.0	682.4	690.6
40°	587.7	579.7	568.1	558.2	553.3	548.4	553.3	558.2	568.1	579.7	587.7
42.5°	487.6	479.6	468.0	457.5	450.1	442.7	450.1	457.5	468.0	479.6	487.6
45°	345.5	340.6	327.3	307.3	267.8	228.2	267.8	307.3	327.3	340.6	345.5
47.5°	221.0	214.2	179.1	144.5	111.6	78.7	111.6	144.5	179.1	214.2	221.0
50°	158.6	152.1	108.1	71.3	56.2	41.0	56.2	71.3	108.1	152.1	158.6
52.5°	113.2	110.3	72.3	41.8	33.8	25.8	33.8	41.8	72.3	110.3	113.2
55°	53.9	53.0	33.0	17.2	14.1	11.0	14.1	17.2	33.0	53.0	53.9
57.5°	20.7	20.3	13.1	7.4	5.8	4.2	5.8	7.4	13.1	20.3	20.7
60°	9.5	9.2	5.7	2.8	1.9	1.0	1.9	2.8	5.7	9.2	9.5
62.5°	4.6	4.5	2.7	1.3	0.7	0.2	0.7	1.3	2.7	4.5	4.6
65°	0.8	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.8	0.8
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: P1427643

CATALOG NUMBER: SQ2W-BBN-K-150U-075D-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: P1427643

CATALOG NUMBER: SQ2W-BBN-K-150U-075D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	5553.3	5553.3	5553.3	5553.3
2.5°	5513.2	5531.6	5540.8	5550.1
5°	5305.7	5321.3	5334.2	5347.1
7.5°	4896.8	4907.5	4903.3	4899.2
10°	4542.1	4542.7	4539.6	4536.5
12.5°	4126.6	4140.9	4128.5	4116.2
15°	3465.3	3493.7	3473.7	3453.6
17.5°	2810.8	2828.3	2830.3	2832.4
20°	2403.5	2418.6	2421.7	2424.9
22.5°	2059.0	2065.3	2070.5	2075.8
25°	1610.9	1624.5	1641.4	1658.3
27.5°	1322.5	1330.5	1330.8	1331.0
30°	1164.2	1172.7	1175.8	1178.9
32.5°	1039.1	1048.0	1045.8	1043.6
35°	860.3	867.7	867.7	867.7
37.5°	697.5	702.9	703.7	704.5
40°	592.1	596.0	598.2	600.5
42.5°	492.0	493.9	487.9	482.0
45°	341.9	333.0	308.1	283.2
47.5°	199.5	176.5	149.1	121.7
50°	127.4	98.7	77.4	56.0
52.5°	81.0	54.2	43.5	32.8
55°	35.7	21.1	17.6	14.0
57.5°	14.3	9.1	7.2	5.2
60°	6.3	3.8	2.9	2.0
62.5°	2.9	1.5	0.9	0.4
65°	0.3	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: P1427643

CATALOG NUMBER: SQ2W-BBN-K-150U-075D-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: P1427643

CATALOG NUMBER: SQ2W-BBN-K-150U-075D-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