

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: P1427641

Luminaire Tested: SQ2W-BBN-K-150U-050D-L940-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1427641
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-L940-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: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

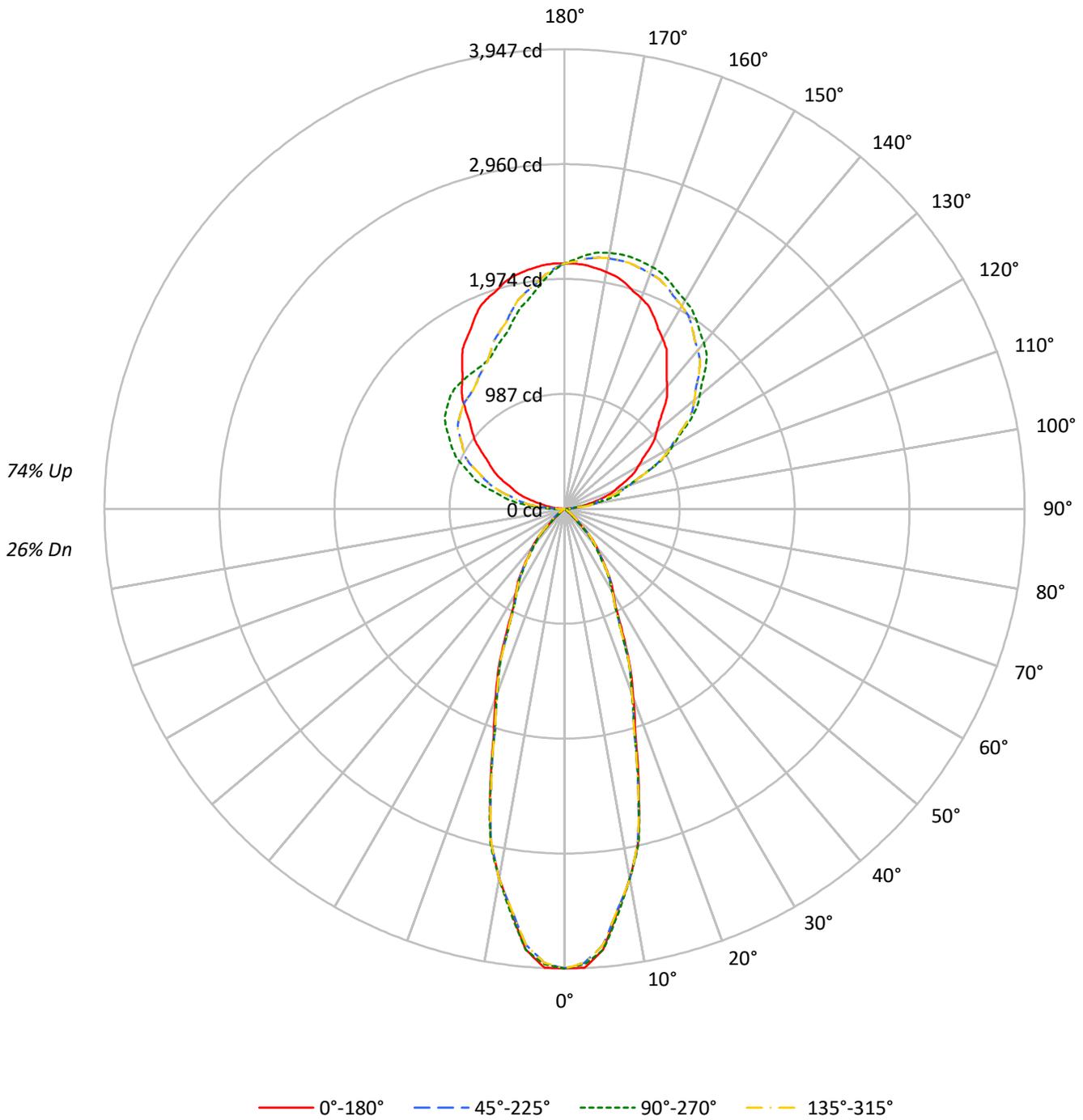
Lumens per Lamp: N/A
Luminaire Lumens: 8292.3 lumens
Efficiency: N/A
Efficacy: 113.3 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.62
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 73.2
Input Voltage (V): 120
Input Current (A_{in}): 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: P1427641

CATALOG NUMBER: SQ2W-BBN-K-150U-050D-L940-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	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°	63720	63720	63720	63720
5°	61587	61623	61587	61623
10°	52856	52856	52856	52856
15°	41026	40930	41026	40930
20°	29609	28974	29609	28974
25°	20995	20196	20995	20196
30°	15619	15077	15619	15077
35°	12153	11593	12153	11593
40°	8993	8214	8993	8214
45°	4596	3704	4596	3704
50°	1000	733	1000	733
55°	281	220	281	220
60°	45	23	45	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: 7070 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	341.3	4.1
10°-20°	672.8	8.1
20°-30°	542.7	6.5
30°-40°	377.0	4.5
40°-50°	174.2	2.1
50°-60°	24.4	0.3
60°-70°	0.8	0.0
70°-80°	0.0	0.0
80°-90°	11.2	0.1
90°-100°	167.6	2.0
100°-110°	488.9	5.9
110°-120°	797.8	9.6
120°-130°	1012.4	12.2
130°-140°	1083.3	13.1
140°-150°	1011.5	12.2
150°-160°	832.4	10.0
160°-170°	558.2	6.7
170°-180°	198.2	2.4
0°-30°	1556.8	18.8
0°-40°	1933.9	23.3
0°-60°	2132.4	25.7
0°-90°	2144.5	25.9
90°-120°	1454.3	17.5
90°-150°	4561.5	55.0
90°-180°	6150.0	74.2
0°-180°	8292.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3947	3947	3947	3947	3947	
5°	3800	3802	3800	3802	3800	341
15°	2454	2449	2454	2449	2454	676
25°	1178	1134	1178	1134	1178	552
35°	617	588	617	588	617	386
45°	201	162	201	162	201	163
55°	10	8	10	8	10	13
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	1
90°	6	47	6	92	6	5
95°	66	49	66	287	66	80
105°	311	498	311	685	311	330
115°	596	826	596	1017	596	587
125°	881	1308	881	1247	881	788
135°	1198	1713	1198	1381	1198	926
145°	1530	1974	1530	1411	1530	957
155°	1817	2145	1817	1464	1817	835
165°	2008	2236	2008	1685	2008	565
175°	2100	2189	2100	1977	2100	199
180°	2106	2106	2106	2106	2106	



TEST NUMBER: P1427641

CATALOG NUMBER: SQ2W-BBN-K-150U-050D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	3946.6	3946.6	3946.6	3946.6	3946.6	3946.6	3946.6	3946.6	3946.6	3946.6	3946.6
2.5°	3944.3	3937.7	3931.1	3918.1	3902.9	3902.3	3916.2	3925.6	3921.3	3917.0	3921.3
5°	3800.0	3790.9	3781.7	3770.6	3758.9	3763.4	3783.9	3799.6	3800.9	3802.2	3800.9
7.5°	3481.7	3484.7	3487.6	3480.0	3468.9	3474.7	3497.5	3513.9	3511.5	3509.0	3511.5
10°	3224.0	3226.2	3228.4	3228.0	3226.7	3229.9	3237.5	3241.0	3232.5	3224.0	3232.5
12.5°	2925.2	2934.0	2942.8	2932.7	2916.2	2913.7	2925.1	2934.5	2938.1	2941.7	2938.1
15°	2454.4	2468.6	2482.9	2462.7	2431.1	2422.9	2438.1	2449.4	2449.0	2448.7	2449.0
17.5°	2012.9	2011.4	2010.0	1997.5	1981.4	1974.8	1977.6	1979.5	1978.6	1977.6	1978.6
20°	1723.3	1721.1	1718.9	1708.1	1694.5	1686.6	1684.4	1683.1	1684.7	1686.3	1684.7
22.5°	1475.2	1471.5	1467.7	1463.3	1458.5	1453.4	1447.9	1444.3	1446.4	1448.5	1446.4
25°	1178.5	1166.5	1154.5	1144.8	1136.0	1135.3	1142.9	1147.0	1140.3	1133.7	1140.3
27.5°	945.9	945.7	945.5	939.9	932.3	929.0	929.8	930.7	932.0	933.3	932.0
30°	837.8	835.6	833.4	827.4	820.1	816.6	817.0	816.2	812.4	808.7	812.4
32.5°	741.7	743.2	744.8	738.4	729.4	724.0	722.3	720.1	716.3	712.5	716.3
35°	616.6	616.6	616.6	611.4	604.5	598.6	593.9	590.1	589.1	588.2	589.1
37.5°	500.7	500.1	499.6	495.7	490.8	485.0	478.3	472.6	470.2	467.7	470.2
40°	426.7	425.2	423.6	420.8	417.6	412.0	403.7	396.7	393.2	389.7	393.2
42.5°	342.5	346.8	351.0	349.7	346.5	340.8	332.6	325.1	319.9	314.6	319.9
45°	201.3	219.0	236.7	243.0	245.5	242.1	232.6	218.4	190.3	162.2	190.3
47.5°	86.5	106.0	125.4	141.8	157.1	152.2	127.3	102.7	79.3	55.9	79.3
50°	39.8	55.0	70.2	90.6	112.7	108.1	76.8	50.7	39.9	29.2	39.9
52.5°	23.3	30.9	38.5	57.6	80.4	78.4	51.4	29.7	24.0	18.3	24.0
55°	10.0	12.5	15.0	25.4	38.3	37.7	23.5	12.2	10.0	7.8	10.0
57.5°	3.7	5.1	6.5	10.2	14.7	14.4	9.3	5.3	4.1	3.0	4.1
60°	1.4	2.1	2.7	4.5	6.7	6.6	4.0	2.0	1.3	0.7	1.3
62.5°	0.3	0.7	1.0	2.0	3.2	3.2	1.9	0.9	0.5	0.1	0.5
65°	0.0	0.0	0.0	0.2	0.6	0.6	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°	1.3	3.0	5.1	6.8	8.1	8.5	8.5	8.9	9.4	9.4	9.4
90°	6.4	14.9	25.5	34.0	40.4	42.6	42.6	44.7	46.8	46.8	46.8
92.5°	23.4	37.0	37.4	37.4	45.5	49.4	52.8	53.2	55.3	55.3	55.3
95°	66.0	72.3	108.5	106.4	72.3	57.4	48.9	48.9	48.9	48.9	48.9
97.5°	126.0	135.3	141.3	189.4	200.0	193.2	157.4	132.3	118.3	111.9	118.3
100°	178.7	183.0	195.7	197.9	251.1	302.1	276.6	244.7	234.0	227.7	234.0
102.5°	231.5	234.0	253.6	262.6	274.9	303.8	392.3	382.6	375.3	374.0	375.3
105°	310.6	312.8	348.9	366.0	374.5	374.5	372.3	414.9	483.0	497.9	483.0
107.5°	395.3	405.1	447.7	493.2	503.0	505.5	494.5	488.1	485.5	487.2	485.5
110°	453.2	468.1	519.2	576.6	591.5	595.8	591.5	585.1	580.9	580.9	580.9



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	509.4	531.1	588.9	654.9	680.0	692.8	683.4	678.7	674.5	677.9	674.5
115°	595.8	627.7	704.3	772.3	823.4	829.8	827.7	827.7	825.5	825.5	825.5
117.5°	675.8	726.8	812.8	891.9	951.1	968.1	976.6	974.1	971.5	975.8	971.5
120°	731.9	791.5	889.4	978.7	1036.2	1061.7	1070.2	1066.0	1070.2	1066.0	1070.2
122.5°	791.5	864.7	960.9	1053.6	1121.3	1150.2	1160.4	1161.3	1162.1	1159.6	1162.1
125°	880.9	970.2	1083.0	1178.7	1248.9	1283.0	1291.5	1293.6	1297.9	1308.5	1297.9
127.5°	971.1	1072.4	1196.2	1288.5	1360.4	1401.7	1414.9	1419.6	1428.5	1433.2	1428.5
130°	1034.1	1148.9	1274.5	1361.7	1431.9	1476.6	1500.0	1506.4	1517.0	1514.9	1517.0
132.5°	1100.4	1220.4	1347.7	1438.3	1503.4	1551.5	1571.5	1589.8	1593.6	1596.6	1593.6
135°	1197.9	1327.7	1455.3	1544.7	1606.4	1653.2	1678.7	1695.8	1706.4	1712.8	1706.4
137.5°	1300.4	1437.5	1560.0	1639.6	1701.7	1742.1	1771.1	1789.0	1800.0	1805.1	1800.0
140°	1370.2	1502.1	1621.3	1704.3	1759.6	1800.0	1825.5	1846.8	1859.6	1859.6	1859.6
142.5°	1436.6	1566.8	1682.6	1765.5	1814.1	1851.1	1878.3	1894.5	1909.0	1909.0	1909.0
145°	1529.8	1659.6	1766.0	1849.0	1889.4	1923.4	1953.2	1966.0	1974.5	1974.5	1974.5
147.5°	1627.2	1742.1	1839.2	1918.7	1952.8	1992.8	2016.2	2026.4	2037.0	2032.4	2037.0
150°	1685.1	1791.5	1885.1	1959.6	1993.6	2031.9	2055.3	2063.8	2074.5	2068.1	2074.5
152.5°	1741.3	1842.6	1927.7	1997.0	2026.0	2064.3	2091.1	2099.6	2106.8	2102.1	2106.8
155°	1817.0	1906.4	1985.1	2049.0	2074.5	2110.7	2136.2	2146.8	2155.3	2144.7	2155.3
157.5°	1884.7	1961.7	2030.2	2089.0	2116.2	2147.3	2171.1	2184.3	2192.8	2188.1	2192.8
160°	1925.6	1995.8	2057.5	2112.8	2138.3	2166.0	2191.5	2206.4	2214.9	2208.5	2214.9
162.5°	1959.6	2023.0	2081.3	2131.5	2153.6	2177.9	2208.5	2221.7	2230.2	2222.1	2230.2
165°	2008.5	2059.6	2110.7	2153.2	2172.4	2191.5	2223.4	2238.3	2244.7	2236.2	2244.7
167.5°	2045.6	2084.7	2126.0	2162.6	2176.6	2195.3	2227.3	2239.6	2247.7	2237.0	2247.7
170°	2066.0	2100.0	2136.2	2166.0	2176.6	2193.6	2225.6	2236.2	2242.6	2231.9	2242.6
172.5°	2083.0	2108.5	2137.9	2164.3	2169.8	2183.4	2213.6	2224.3	2229.0	2220.0	2229.0
175°	2100.0	2114.9	2136.2	2153.2	2151.1	2159.6	2185.1	2193.6	2202.1	2189.4	2202.1
177.5°	2108.1	2114.9	2121.7	2131.9	2125.1	2125.1	2143.9	2149.0	2150.7	2143.9	2150.7
180°	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	3946.6	3946.6	3946.6	3946.6	3946.6	3946.6	3946.6	3946.6	3946.6	3946.6	3946.6
2.5°	3925.6	3916.2	3902.3	3902.9	3918.1	3931.1	3937.7	3944.3	3937.7	3931.1	3918.1
5°	3799.6	3783.9	3763.4	3758.9	3770.6	3781.7	3790.9	3800.0	3790.9	3781.7	3770.6
7.5°	3513.9	3497.5	3474.7	3468.9	3480.0	3487.6	3484.7	3481.7	3484.7	3487.6	3480.0
10°	3241.0	3237.5	3229.9	3226.7	3228.0	3228.4	3226.2	3224.0	3226.2	3228.4	3228.0
12.5°	2934.5	2925.1	2913.7	2916.2	2932.7	2942.8	2934.0	2925.2	2934.0	2942.8	2932.7
15°	2449.4	2438.1	2422.9	2431.1	2462.7	2482.9	2468.6	2454.4	2468.6	2482.9	2462.7
17.5°	1979.5	1977.6	1974.8	1981.4	1997.5	2010.0	2011.4	2012.9	2011.4	2010.0	1997.5
20°	1683.1	1684.4	1686.6	1694.5	1708.1	1718.9	1721.1	1723.3	1721.1	1718.9	1708.1
22.5°	1444.3	1447.9	1453.4	1458.5	1463.3	1467.7	1471.5	1475.2	1471.5	1467.7	1463.3
25°	1147.0	1142.9	1135.3	1136.0	1144.8	1154.5	1166.5	1178.5	1166.5	1154.5	1144.8
27.5°	930.7	929.8	929.0	932.3	939.9	945.5	945.7	945.9	945.7	945.5	939.9
30°	816.2	817.0	816.6	820.1	827.4	833.4	835.6	837.8	835.6	833.4	827.4
32.5°	720.1	722.3	724.0	729.4	738.4	744.8	743.2	741.7	743.2	744.8	738.4
35°	590.1	593.9	598.6	604.5	611.4	616.6	616.6	616.6	616.6	616.6	611.4
37.5°	472.6	478.3	485.0	490.8	495.7	499.6	500.1	500.7	500.1	499.6	495.7
40°	396.7	403.7	412.0	417.6	420.8	423.6	425.2	426.7	425.2	423.6	420.8
42.5°	325.1	332.6	340.8	346.5	349.7	351.0	346.8	342.5	346.8	351.0	349.7
45°	218.4	232.6	242.1	245.5	243.0	236.7	219.0	201.3	219.0	236.7	243.0
47.5°	102.7	127.3	152.2	157.1	141.8	125.4	106.0	86.5	106.0	125.4	141.8
50°	50.7	76.8	108.1	112.7	90.6	70.2	55.0	39.8	55.0	70.2	90.6
52.5°	29.7	51.4	78.4	80.4	57.6	38.5	30.9	23.3	30.9	38.5	57.6
55°	12.2	23.5	37.7	38.3	25.4	15.0	12.5	10.0	12.5	15.0	25.4
57.5°	5.3	9.3	14.4	14.7	10.2	6.5	5.1	3.7	5.1	6.5	10.2
60°	2.0	4.0	6.6	6.7	4.5	2.7	2.1	1.4	2.1	2.7	4.5
62.5°	0.9	1.9	3.2	3.2	2.0	1.0	0.7	0.3	0.7	1.0	2.0
65°	0.0	0.2	0.6	0.6	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°	8.9	8.5	8.5	8.1	6.8	5.1	3.0	1.3	3.0	4.7	7.7
90°	44.7	42.6	42.6	40.4	34.0	25.5	14.9	6.4	14.9	23.4	38.3
92.5°	53.2	52.8	49.4	45.5	37.4	37.4	37.0	23.4	40.4	57.4	82.6
95°	48.9	48.9	57.4	72.3	106.4	108.5	72.3	66.0	93.6	131.9	166.0
97.5°	132.3	157.4	193.2	200.0	189.4	141.3	135.3	126.0	171.5	209.4	264.3
100°	244.7	276.6	302.1	251.1	197.9	195.7	183.0	178.7	227.7	263.8	317.0
102.5°	382.6	392.3	303.8	274.9	262.6	253.6	234.0	231.5	280.4	330.2	374.9
105°	414.9	372.3	374.5	374.5	366.0	348.9	312.8	310.6	366.0	423.4	478.7
107.5°	488.1	494.5	505.5	503.0	493.2	447.7	405.1	395.3	445.1	514.0	574.9
110°	585.1	591.5	595.8	591.5	576.6	519.2	468.1	453.2	497.9	570.2	636.2



TEST NUMBER: P1427641

CATALOG NUMBER: SQ2W-BBN-K-150U-050D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	678.7	683.4	692.8	680.0	654.9	588.9	531.1	509.4	554.0	628.1	695.8
115°	827.7	827.7	829.8	823.4	772.3	704.3	627.7	595.8	634.0	702.1	776.6
117.5°	974.1	976.6	968.1	951.1	891.9	812.8	726.8	675.8	706.0	777.9	854.5
120°	1066.0	1070.2	1061.7	1036.2	978.7	889.4	791.5	731.9	755.3	825.5	902.1
122.5°	1161.3	1160.4	1150.2	1121.3	1053.6	960.9	864.7	791.5	801.3	866.4	941.3
125°	1293.6	1291.5	1283.0	1248.9	1178.7	1083.0	970.2	880.9	868.1	923.4	1000.0
127.5°	1419.6	1414.9	1401.7	1360.4	1288.5	1196.2	1072.4	971.1	942.6	977.5	1047.7
130°	1506.4	1500.0	1476.6	1431.9	1361.7	1274.5	1148.9	1034.1	993.6	1014.9	1076.6
132.5°	1589.8	1571.5	1551.5	1503.4	1438.3	1347.7	1220.4	1100.4	1044.7	1054.1	1102.1
135°	1695.8	1678.7	1653.2	1606.4	1544.7	1455.3	1327.7	1197.9	1121.3	1112.8	1140.4
137.5°	1789.0	1771.1	1742.1	1701.7	1639.6	1560.0	1437.5	1300.4	1203.8	1175.3	1186.0
140°	1846.8	1825.5	1800.0	1759.6	1704.3	1621.3	1502.1	1370.2	1261.7	1221.3	1214.9
142.5°	1894.5	1878.3	1851.1	1814.1	1765.5	1682.6	1566.8	1436.6	1321.3	1268.9	1254.1
145°	1966.0	1953.2	1923.4	1889.4	1849.0	1766.0	1659.6	1529.8	1414.9	1346.8	1314.9
147.5°	2026.4	2016.2	1992.8	1952.8	1918.7	1839.2	1742.1	1627.2	1509.4	1425.1	1383.8
150°	2063.8	2055.3	2031.9	1993.6	1959.6	1885.1	1791.5	1685.1	1572.4	1483.0	1429.8
152.5°	2099.6	2091.1	2064.3	2026.0	1997.0	1927.7	1842.6	1741.3	1626.8	1537.5	1482.6
155°	2146.8	2136.2	2110.7	2074.5	2049.0	1985.1	1906.4	1817.0	1719.2	1625.5	1563.8
157.5°	2184.3	2171.1	2147.3	2116.2	2089.0	2030.2	1961.7	1884.7	1799.2	1709.8	1646.8
160°	2206.4	2191.5	2166.0	2138.3	2112.8	2057.5	1995.8	1925.6	1846.8	1766.0	1697.9
162.5°	2221.7	2208.5	2177.9	2153.6	2131.5	2081.3	2023.0	1959.6	1889.4	1818.7	1755.8
165°	2238.3	2223.4	2191.5	2172.4	2153.2	2110.7	2059.6	2008.5	1949.0	1891.5	1840.4
167.5°	2239.6	2227.3	2195.3	2176.6	2162.6	2126.0	2084.7	2045.6	1999.2	1954.1	1911.5
170°	2236.2	2225.6	2193.6	2176.6	2166.0	2136.2	2100.0	2066.0	2029.8	1991.5	1957.5
172.5°	2224.3	2213.6	2183.4	2169.8	2164.3	2137.9	2108.5	2083.0	2051.9	2023.8	1996.6
175°	2193.6	2185.1	2159.6	2151.1	2153.2	2136.2	2114.9	2100.0	2080.9	2063.8	2049.0
177.5°	2149.0	2143.9	2125.1	2125.1	2131.9	2121.7	2114.9	2108.1	2099.6	2094.5	2089.4
180°	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4



TEST NUMBER: P1427641

CATALOG NUMBER: SQ2W-BBN-K-150U-050D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	3946.6	3946.6	3946.6	3946.6	3946.6	3946.6	3946.6	3946.6	3946.6	3946.6	3946.6
2.5°	3902.9	3902.3	3916.2	3925.6	3921.3	3917.0	3921.3	3925.6	3916.2	3902.3	3902.9
5°	3758.9	3763.4	3783.9	3799.6	3800.9	3802.2	3800.9	3799.6	3783.9	3763.4	3758.9
7.5°	3468.9	3474.7	3497.5	3513.9	3511.5	3509.0	3511.5	3513.9	3497.5	3474.7	3468.9
10°	3226.7	3229.9	3237.5	3241.0	3232.5	3224.0	3232.5	3241.0	3237.5	3229.9	3226.7
12.5°	2916.2	2913.7	2925.1	2934.5	2938.1	2941.7	2938.1	2934.5	2925.1	2913.7	2916.2
15°	2431.1	2422.9	2438.1	2449.4	2449.0	2448.7	2449.0	2449.4	2438.1	2422.9	2431.1
17.5°	1981.4	1974.8	1977.6	1979.5	1978.6	1977.6	1978.6	1979.5	1977.6	1974.8	1981.4
20°	1694.5	1686.6	1684.4	1683.1	1684.7	1686.3	1684.7	1683.1	1684.4	1686.6	1694.5
22.5°	1458.5	1453.4	1447.9	1444.3	1446.4	1448.5	1446.4	1444.3	1447.9	1453.4	1458.5
25°	1136.0	1135.3	1142.9	1147.0	1140.3	1133.7	1140.3	1147.0	1142.9	1135.3	1136.0
27.5°	932.3	929.0	929.8	930.7	932.0	933.3	932.0	930.7	929.8	929.0	932.3
30°	820.1	816.6	817.0	816.2	812.4	808.7	812.4	816.2	817.0	816.6	820.1
32.5°	729.4	724.0	722.3	720.1	716.3	712.5	716.3	720.1	722.3	724.0	729.4
35°	604.5	598.6	593.9	590.1	589.1	588.2	589.1	590.1	593.9	598.6	604.5
37.5°	490.8	485.0	478.3	472.6	470.2	467.7	470.2	472.6	478.3	485.0	490.8
40°	417.6	412.0	403.7	396.7	393.2	389.7	393.2	396.7	403.7	412.0	417.6
42.5°	346.5	340.8	332.6	325.1	319.9	314.6	319.9	325.1	332.6	340.8	346.5
45°	245.5	242.1	232.6	218.4	190.3	162.2	190.3	218.4	232.6	242.1	245.5
47.5°	157.1	152.2	127.3	102.7	79.3	55.9	79.3	102.7	127.3	152.2	157.1
50°	112.7	108.1	76.8	50.7	39.9	29.2	39.9	50.7	76.8	108.1	112.7
52.5°	80.4	78.4	51.4	29.7	24.0	18.3	24.0	29.7	51.4	78.4	80.4
55°	38.3	37.7	23.5	12.2	10.0	7.8	10.0	12.2	23.5	37.7	38.3
57.5°	14.7	14.4	9.3	5.3	4.1	3.0	4.1	5.3	9.3	14.4	14.7
60°	6.7	6.6	4.0	2.0	1.3	0.7	1.3	2.0	4.0	6.6	6.7
62.5°	3.2	3.2	1.9	0.9	0.5	0.1	0.5	0.9	1.9	3.2	3.2
65°	0.6	0.6	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.6	0.6
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°	9.8	12.8	15.7	17.4	19.1	18.3	19.1	17.4	15.7	12.8	9.8
90°	48.9	63.8	78.7	87.2	95.7	91.5	95.7	87.2	78.7	63.8	48.9
92.5°	98.3	123.4	141.7	157.0	163.8	163.0	163.8	157.0	141.7	123.4	98.3
95°	197.9	227.7	257.4	278.7	291.5	287.2	291.5	278.7	257.4	227.7	197.9
97.5°	305.1	345.1	378.3	398.3	411.1	419.6	411.1	398.3	378.3	345.1	305.1
100°	376.6	414.9	453.2	476.6	497.9	506.4	497.9	476.6	453.2	414.9	376.6
102.5°	434.5	484.7	526.4	551.5	569.4	577.9	569.4	551.5	526.4	484.7	434.5
105°	529.8	583.0	627.7	659.6	678.7	685.1	678.7	659.6	627.7	583.0	529.8
107.5°	625.1	680.0	721.3	756.6	780.0	793.6	780.0	756.6	721.3	680.0	625.1
110°	700.0	744.7	789.4	821.3	844.7	853.2	844.7	821.3	789.4	744.7	700.0



TEST NUMBER: P1427641

CATALOG NUMBER: SQ2W-BBN-K-150U-050D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	763.0	812.8	857.5	889.4	916.2	928.1	916.2	889.4	857.5	812.8	763.0
115°	851.1	917.0	957.5	987.2	1006.4	1017.0	1006.4	987.2	957.5	917.0	851.1
117.5°	924.3	993.2	1037.5	1060.4	1069.4	1077.0	1069.4	1060.4	1037.5	993.2	924.3
120°	970.2	1034.1	1085.1	1114.9	1125.5	1129.8	1125.5	1114.9	1085.1	1034.1	970.2
122.5°	1012.8	1073.2	1122.6	1159.2	1176.6	1180.9	1176.6	1159.2	1122.6	1073.2	1012.8
125°	1072.4	1129.8	1180.9	1217.0	1236.2	1246.8	1236.2	1217.0	1180.9	1129.8	1072.4
127.5°	1124.3	1186.4	1233.2	1266.0	1284.7	1293.2	1284.7	1266.0	1233.2	1186.4	1124.3
130°	1153.2	1217.0	1263.8	1300.0	1317.0	1325.5	1317.0	1300.0	1263.8	1217.0	1153.2
132.5°	1175.3	1242.6	1291.1	1323.8	1342.6	1351.1	1342.6	1323.8	1291.1	1242.6	1175.3
135°	1202.1	1272.4	1323.4	1355.3	1372.4	1380.9	1372.4	1355.3	1323.4	1272.4	1202.1
137.5°	1225.5	1289.4	1342.6	1376.2	1391.5	1397.0	1391.5	1376.2	1342.6	1289.4	1225.5
140°	1242.6	1297.9	1351.1	1383.0	1400.0	1402.1	1400.0	1383.0	1351.1	1297.9	1242.6
142.5°	1264.7	1308.1	1354.5	1386.4	1403.4	1407.2	1403.4	1386.4	1354.5	1308.1	1264.7
145°	1304.3	1329.8	1361.7	1391.5	1406.4	1410.7	1406.4	1391.5	1361.7	1329.8	1304.3
147.5°	1354.1	1362.1	1378.7	1398.3	1412.8	1415.8	1412.8	1398.3	1378.7	1362.1	1354.1
150°	1391.5	1389.4	1395.8	1408.5	1421.3	1419.2	1421.3	1408.5	1395.8	1389.4	1391.5
152.5°	1434.1	1421.7	1421.3	1427.2	1433.2	1432.8	1433.2	1427.2	1421.3	1421.7	1434.1
155°	1506.4	1483.0	1470.2	1466.0	1466.0	1463.8	1466.0	1466.0	1470.2	1483.0	1506.4
157.5°	1586.0	1553.2	1534.1	1523.8	1520.9	1516.2	1520.9	1523.8	1534.1	1553.2	1586.0
160°	1640.4	1604.3	1585.1	1568.1	1561.7	1555.3	1561.7	1568.1	1585.1	1604.3	1640.4
162.5°	1691.5	1657.0	1636.2	1620.9	1614.5	1604.7	1614.5	1620.9	1636.2	1657.0	1691.5
165°	1774.5	1738.3	1714.9	1702.1	1693.6	1685.1	1693.6	1702.1	1714.9	1738.3	1774.5
167.5°	1857.5	1817.9	1802.6	1788.1	1780.0	1764.7	1780.0	1788.1	1802.6	1817.9	1857.5
170°	1908.5	1872.4	1863.8	1851.1	1836.2	1819.2	1836.2	1851.1	1863.8	1872.4	1908.5
172.5°	1952.8	1928.5	1920.0	1907.3	1902.6	1889.0	1902.6	1907.3	1920.0	1928.5	1952.8
175°	2017.0	1997.9	1997.9	1995.8	1989.4	1976.6	1989.4	1995.8	1997.9	1997.9	2017.0
177.5°	2070.7	2060.4	2067.3	2067.3	2065.6	2053.6	2065.6	2067.3	2067.3	2060.4	2070.7
180°	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4



TEST NUMBER: P1427641

CATALOG NUMBER: SQ2W-BBN-K-150U-050D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	3946.6	3946.6	3946.6	3946.6
2.5°	3918.1	3931.1	3937.7	3944.3
5°	3770.6	3781.7	3790.9	3800.0
7.5°	3480.0	3487.6	3484.7	3481.7
10°	3228.0	3228.4	3226.2	3224.0
12.5°	2932.7	2942.8	2934.0	2925.2
15°	2462.7	2482.9	2468.6	2454.4
17.5°	1997.5	2010.0	2011.4	2012.9
20°	1708.1	1718.9	1721.1	1723.3
22.5°	1463.3	1467.7	1471.5	1475.2
25°	1144.8	1154.5	1166.5	1178.5
27.5°	939.9	945.5	945.7	945.9
30°	827.4	833.4	835.6	837.8
32.5°	738.4	744.8	743.2	741.7
35°	611.4	616.6	616.6	616.6
37.5°	495.7	499.6	500.1	500.7
40°	420.8	423.6	425.2	426.7
42.5°	349.7	351.0	346.8	342.5
45°	243.0	236.7	219.0	201.3
47.5°	141.8	125.4	106.0	86.5
50°	90.6	70.2	55.0	39.8
52.5°	57.6	38.5	30.9	23.3
55°	25.4	15.0	12.5	10.0
57.5°	10.2	6.5	5.1	3.7
60°	4.5	2.7	2.1	1.4
62.5°	2.0	1.0	0.7	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°	7.7	4.7	3.0	1.3
90°	38.3	23.4	14.9	6.4
92.5°	82.6	57.4	40.4	23.4
95°	166.0	131.9	93.6	66.0
97.5°	264.3	209.4	171.5	126.0
100°	317.0	263.8	227.7	178.7
102.5°	374.9	330.2	280.4	231.5
105°	478.7	423.4	366.0	310.6
107.5°	574.9	514.0	445.1	395.3
110°	636.2	570.2	497.9	453.2



TEST NUMBER: P1427641

CATALOG NUMBER: SQ2W-BBN-K-150U-050D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	695.8	628.1	554.0	509.4
115°	776.6	702.1	634.0	595.8
117.5°	854.5	777.9	706.0	675.8
120°	902.1	825.5	755.3	731.9
122.5°	941.3	866.4	801.3	791.5
125°	1000.0	923.4	868.1	880.9
127.5°	1047.7	977.5	942.6	971.1
130°	1076.6	1014.9	993.6	1034.1
132.5°	1102.1	1054.1	1044.7	1100.4
135°	1140.4	1112.8	1121.3	1197.9
137.5°	1186.0	1175.3	1203.8	1300.4
140°	1214.9	1221.3	1261.7	1370.2
142.5°	1254.1	1268.9	1321.3	1436.6
145°	1314.9	1346.8	1414.9	1529.8
147.5°	1383.8	1425.1	1509.4	1627.2
150°	1429.8	1483.0	1572.4	1685.1
152.5°	1482.6	1537.5	1626.8	1741.3
155°	1563.8	1625.5	1719.2	1817.0
157.5°	1646.8	1709.8	1799.2	1884.7
160°	1697.9	1766.0	1846.8	1925.6
162.5°	1755.8	1818.7	1889.4	1959.6
165°	1840.4	1891.5	1949.0	2008.5
167.5°	1911.5	1954.1	1999.2	2045.6
170°	1957.5	1991.5	2029.8	2066.0
172.5°	1996.6	2023.8	2051.9	2083.0
175°	2049.0	2063.8	2080.9	2100.0
177.5°	2089.4	2094.5	2099.6	2108.1
180°	2106.4	2106.4	2106.4	2106.4



TEST NUMBER: P1427641

CATALOG NUMBER: SQ2W-BBN-K-150U-050D-L940-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