

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: P1427644

Luminaire Tested: SQ2W-BBN-K-150U-075D-L940-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1427644
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-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 750 LUMENS PER FOOT
UPLIGHT 1500 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

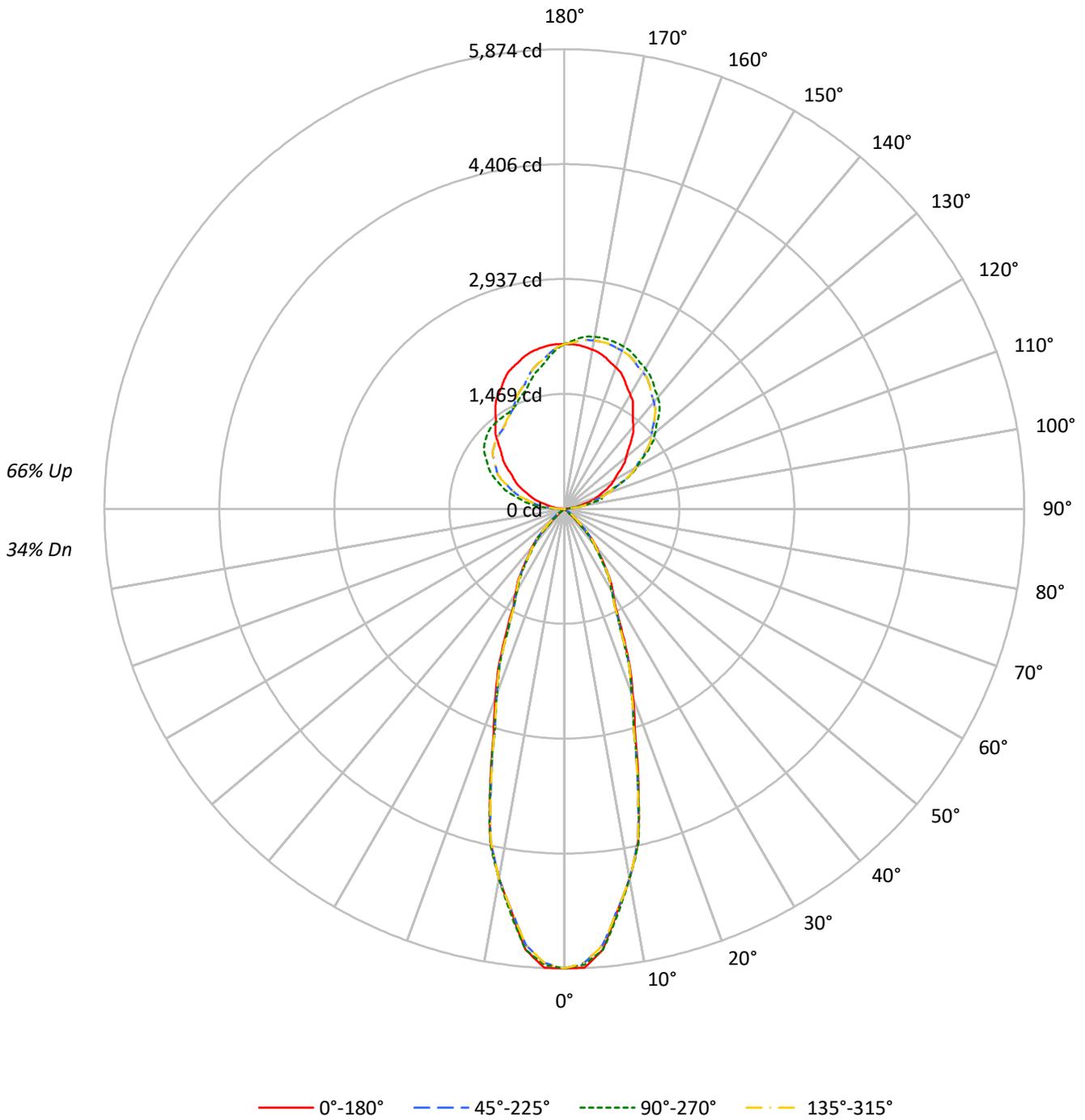
Lumens per Lamp: N/A
Luminaire Lumens: 9334.2 lumens
Efficiency: N/A
Efficacy: 112.9 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.62
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Indirect

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-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	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°	94841	94841	94841	94841
5°	91668	91720	91668	91720
10°	78670	78670	78670	78670
15°	61064	60922	61064	60922
20°	44069	43124	44069	43124
25°	31249	30060	31249	30060
30°	23248	22439	23248	22439
35°	18090	17254	18090	17254
40°	13386	12226	13386	12226
45°	6841	5512	6841	5512
50°	1489	1090	1489	1090
55°	417	327	417	327
60°	68	36	68	36
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: 8343 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	507.9	5.4
10°-20°	1001.4	10.7
20°-30°	807.8	8.7
30°-40°	561.2	6.0
40°-50°	259.2	2.8
50°-60°	36.3	0.4
60°-70°	1.2	0.0
70°-80°	0.0	0.0
80°-90°	11.2	0.1
90°-100°	167.6	1.8
100°-110°	488.9	5.2
110°-120°	797.8	8.5
120°-130°	1012.4	10.8
130°-140°	1083.3	11.6
140°-150°	1011.5	10.8
150°-160°	832.4	8.9
160°-170°	558.2	6.0
170°-180°	198.2	2.1
0°-30°	2317.2	24.8
0°-40°	2878.4	30.8
0°-60°	3173.9	34.0
0°-90°	3186.3	34.1
90°-120°	1454.3	15.6
90°-150°	4561.5	48.9
90°-180°	6150.0	65.9
0°-180°	9334.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	5874	5874	5874	5874	5874	
5°	5656	5659	5656	5659	5656	508
15°	3653	3645	3653	3645	3653	1006
25°	1754	1687	1754	1687	1754	821
35°	918	875	918	875	918	574
45°	300	241	300	241	300	242
55°	15	12	15	12	15	19
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	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	5874.1	5874.1	5874.1	5874.1	5874.1	5874.1	5874.1	5874.1	5874.1	5874.1	5874.1
2.5°	5870.7	5860.9	5851.1	5831.7	5809.1	5808.2	5828.9	5842.8	5836.4	5830.0	5836.4
5°	5656.0	5642.3	5628.7	5612.2	5594.8	5601.4	5632.0	5655.4	5657.3	5659.2	5657.3
7.5°	5182.2	5186.6	5191.0	5179.7	5163.1	5171.8	5205.7	5230.2	5226.5	5222.8	5226.5
10°	4798.5	4801.8	4805.1	4804.5	4802.7	4807.4	4818.6	4823.9	4811.2	4798.5	4811.2
12.5°	4353.9	4367.0	4380.1	4365.0	4340.5	4336.8	4353.7	4367.8	4373.1	4378.5	4373.1
15°	3653.2	3674.3	3695.5	3665.5	3618.5	3606.2	3628.8	3645.6	3645.2	3644.7	3645.2
17.5°	2996.0	2993.8	2991.7	2973.1	2949.1	2939.2	2943.5	2946.3	2944.9	2943.5	2944.9
20°	2564.9	2561.6	2558.3	2542.4	2522.1	2510.4	2507.1	2505.2	2507.5	2509.9	2507.5
22.5°	2195.7	2190.2	2184.6	2177.9	2170.9	2163.2	2155.1	2149.7	2152.8	2155.9	2152.8
25°	1754.1	1736.2	1718.3	1704.0	1690.8	1689.8	1701.1	1707.1	1697.3	1687.4	1697.3
27.5°	1407.9	1407.6	1407.3	1398.9	1387.7	1382.7	1383.9	1385.3	1387.2	1389.1	1387.2
30°	1247.0	1243.7	1240.4	1231.5	1220.7	1215.5	1216.0	1214.9	1209.2	1203.6	1209.2
32.5°	1103.9	1106.2	1108.6	1099.1	1085.6	1077.6	1075.1	1071.8	1066.1	1060.5	1066.1
35°	917.8	917.8	917.8	910.0	899.7	891.0	883.9	878.3	876.9	875.4	876.9
37.5°	745.2	744.4	743.5	737.8	730.5	721.8	711.9	703.5	699.8	696.1	699.8
40°	635.1	632.8	630.4	626.3	621.6	613.2	600.9	590.5	585.3	580.1	585.3
42.5°	509.8	516.1	522.4	520.5	515.8	507.3	495.1	483.9	476.1	468.3	476.1
45°	299.6	325.9	352.3	361.7	365.4	360.3	346.2	325.1	283.2	241.4	283.2
47.5°	128.7	157.7	186.7	211.0	233.8	226.6	189.4	152.8	118.0	83.2	118.0
50°	59.3	81.9	104.4	134.8	167.7	160.9	114.3	75.4	59.4	43.4	59.4
52.5°	34.7	46.0	57.3	85.7	119.7	116.7	76.5	44.2	35.8	27.3	35.8
55°	14.8	18.6	22.3	37.8	57.0	56.1	34.9	18.2	14.9	11.6	14.9
57.5°	5.5	7.6	9.6	15.2	21.9	21.4	13.9	7.8	6.1	4.4	6.1
60°	2.1	3.1	4.0	6.7	10.0	9.8	6.0	2.9	2.0	1.1	2.0
62.5°	0.4	1.0	1.6	3.0	4.8	4.8	2.9	1.3	0.8	0.2	0.8
65°	0.0	0.0	0.0	0.4	0.8	0.8	0.4	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.3	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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CATALOG NUMBER: SQ2W-BBN-K-150U-075D-L940-UNV-STD-W-WM-4

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°	5874.1	5874.1	5874.1	5874.1	5874.1	5874.1	5874.1	5874.1	5874.1	5874.1	5874.1
2.5°	5842.8	5828.9	5808.2	5809.1	5831.7	5851.1	5860.9	5870.7	5860.9	5851.1	5831.7
5°	5655.4	5632.0	5601.4	5594.8	5612.2	5628.7	5642.3	5656.0	5642.3	5628.7	5612.2
7.5°	5230.2	5205.7	5171.8	5163.1	5179.7	5191.0	5186.6	5182.2	5186.6	5191.0	5179.7
10°	4823.9	4818.6	4807.4	4802.7	4804.5	4805.1	4801.8	4798.5	4801.8	4805.1	4804.5
12.5°	4367.8	4353.7	4336.8	4340.5	4365.0	4380.1	4367.0	4353.9	4367.0	4380.1	4365.0
15°	3645.6	3628.8	3606.2	3618.5	3665.5	3695.5	3674.3	3653.2	3674.3	3695.5	3665.5
17.5°	2946.3	2943.5	2939.2	2949.1	2973.1	2991.7	2993.8	2996.0	2993.8	2991.7	2973.1
20°	2505.2	2507.1	2510.4	2522.1	2542.4	2558.3	2561.6	2564.9	2561.6	2558.3	2542.4
22.5°	2149.7	2155.1	2163.2	2170.9	2177.9	2184.6	2190.2	2195.7	2190.2	2184.6	2177.9
25°	1707.1	1701.1	1689.8	1690.8	1704.0	1718.3	1736.2	1754.1	1736.2	1718.3	1704.0
27.5°	1385.3	1383.9	1382.7	1387.7	1398.9	1407.3	1407.6	1407.9	1407.6	1407.3	1398.9
30°	1214.9	1216.0	1215.5	1220.7	1231.5	1240.4	1243.7	1247.0	1243.7	1240.4	1231.5
32.5°	1071.8	1075.1	1077.6	1085.6	1099.1	1108.6	1106.2	1103.9	1106.2	1108.6	1099.1
35°	878.3	883.9	891.0	899.7	910.0	917.8	917.8	917.8	917.8	917.8	910.0
37.5°	703.5	711.9	721.8	730.5	737.8	743.5	744.4	745.2	744.4	743.5	737.8
40°	590.5	600.9	613.2	621.6	626.3	630.4	632.8	635.1	632.8	630.4	626.3
42.5°	483.9	495.1	507.3	515.8	520.5	522.4	516.1	509.8	516.1	522.4	520.5
45°	325.1	346.2	360.3	365.4	361.7	352.3	325.9	299.6	325.9	352.3	361.7
47.5°	152.8	189.4	226.6	233.8	211.0	186.7	157.7	128.7	157.7	186.7	211.0
50°	75.4	114.3	160.9	167.7	134.8	104.4	81.9	59.3	81.9	104.4	134.8
52.5°	44.2	76.5	116.7	119.7	85.7	57.3	46.0	34.7	46.0	57.3	85.7
55°	18.2	34.9	56.1	57.0	37.8	22.3	18.6	14.8	18.6	22.3	37.8
57.5°	7.8	13.9	21.4	21.9	15.2	9.6	7.6	5.5	7.6	9.6	15.2
60°	2.9	6.0	9.8	10.0	6.7	4.0	3.1	2.1	3.1	4.0	6.7
62.5°	1.3	2.9	4.8	4.8	3.0	1.6	1.0	0.4	1.0	1.6	3.0
65°	0.0	0.4	0.8	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.4
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	8.9	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: P1427644

CATALOG NUMBER: SQ2W-BBN-K-150U-075D-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: P1427644

CATALOG NUMBER: SQ2W-BBN-K-150U-075D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	5874.1	5874.1	5874.1	5874.1	5874.1	5874.1	5874.1	5874.1	5874.1	5874.1	5874.1
2.5°	5809.1	5808.2	5828.9	5842.8	5836.4	5830.0	5836.4	5842.8	5828.9	5808.2	5809.1
5°	5594.8	5601.4	5632.0	5655.4	5657.3	5659.2	5657.3	5655.4	5632.0	5601.4	5594.8
7.5°	5163.1	5171.8	5205.7	5230.2	5226.5	5222.8	5226.5	5230.2	5205.7	5171.8	5163.1
10°	4802.7	4807.4	4818.6	4823.9	4811.2	4798.5	4811.2	4823.9	4818.6	4807.4	4802.7
12.5°	4340.5	4336.8	4353.7	4367.8	4373.1	4378.5	4373.1	4367.8	4353.7	4336.8	4340.5
15°	3618.5	3606.2	3628.8	3645.6	3645.2	3644.7	3645.2	3645.6	3628.8	3606.2	3618.5
17.5°	2949.1	2939.2	2943.5	2946.3	2944.9	2943.5	2944.9	2946.3	2943.5	2939.2	2949.1
20°	2522.1	2510.4	2507.1	2505.2	2507.5	2509.9	2507.5	2505.2	2507.1	2510.4	2522.1
22.5°	2170.9	2163.2	2155.1	2149.7	2152.8	2155.9	2152.8	2149.7	2155.1	2163.2	2170.9
25°	1690.8	1689.8	1701.1	1707.1	1697.3	1687.4	1697.3	1707.1	1701.1	1689.8	1690.8
27.5°	1387.7	1382.7	1383.9	1385.3	1387.2	1389.1	1387.2	1385.3	1383.9	1382.7	1387.7
30°	1220.7	1215.5	1216.0	1214.9	1209.2	1203.6	1209.2	1214.9	1216.0	1215.5	1220.7
32.5°	1085.6	1077.6	1075.1	1071.8	1066.1	1060.5	1066.1	1071.8	1075.1	1077.6	1085.6
35°	899.7	891.0	883.9	878.3	876.9	875.4	876.9	878.3	883.9	891.0	899.7
37.5°	730.5	721.8	711.9	703.5	699.8	696.1	699.8	703.5	711.9	721.8	730.5
40°	621.6	613.2	600.9	590.5	585.3	580.1	585.3	590.5	600.9	613.2	621.6
42.5°	515.8	507.3	495.1	483.9	476.1	468.3	476.1	483.9	495.1	507.3	515.8
45°	365.4	360.3	346.2	325.1	283.2	241.4	283.2	325.1	346.2	360.3	365.4
47.5°	233.8	226.6	189.4	152.8	118.0	83.2	118.0	152.8	189.4	226.6	233.8
50°	167.7	160.9	114.3	75.4	59.4	43.4	59.4	75.4	114.3	160.9	167.7
52.5°	119.7	116.7	76.5	44.2	35.8	27.3	35.8	44.2	76.5	116.7	119.7
55°	57.0	56.1	34.9	18.2	14.9	11.6	14.9	18.2	34.9	56.1	57.0
57.5°	21.9	21.4	13.9	7.8	6.1	4.4	6.1	7.8	13.9	21.4	21.9
60°	10.0	9.8	6.0	2.9	2.0	1.1	2.0	2.9	6.0	9.8	10.0
62.5°	4.8	4.8	2.9	1.3	0.8	0.2	0.8	1.3	2.9	4.8	4.8
65°	0.8	0.8	0.4	0.0	0.0	0.0	0.0	0.4	0.8	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°	9.8	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: P1427644

CATALOG NUMBER: SQ2W-BBN-K-150U-075D-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: P1427644

CATALOG NUMBER: SQ2W-BBN-K-150U-075D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	5874.1	5874.1	5874.1	5874.1
2.5°	5831.7	5851.1	5860.9	5870.7
5°	5612.2	5628.7	5642.3	5656.0
7.5°	5179.7	5191.0	5186.6	5182.2
10°	4804.5	4805.1	4801.8	4798.5
12.5°	4365.0	4380.1	4367.0	4353.9
15°	3665.5	3695.5	3674.3	3653.2
17.5°	2973.1	2991.7	2993.8	2996.0
20°	2542.4	2558.3	2561.6	2564.9
22.5°	2177.9	2184.6	2190.2	2195.7
25°	1704.0	1718.3	1736.2	1754.1
27.5°	1398.9	1407.3	1407.6	1407.9
30°	1231.5	1240.4	1243.7	1247.0
32.5°	1099.1	1108.6	1106.2	1103.9
35°	910.0	917.8	917.8	917.8
37.5°	737.8	743.5	744.4	745.2
40°	626.3	630.4	632.8	635.1
42.5°	520.5	522.4	516.1	509.8
45°	361.7	352.3	325.9	299.6
47.5°	211.0	186.7	157.7	128.7
50°	134.8	104.4	81.9	59.3
52.5°	85.7	57.3	46.0	34.7
55°	37.8	22.3	18.6	14.8
57.5°	15.2	9.6	7.6	5.5
60°	6.7	4.0	3.1	2.1
62.5°	3.0	1.6	1.0	0.4
65°	0.4	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0
87.5°	7.7	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: P1427644

CATALOG NUMBER: SQ2W-BBN-K-150U-075D-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: P1427644

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