

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1428649

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

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428649
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G3-2308-130-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-WBN-K-150U-050D-L940-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - WHITE 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

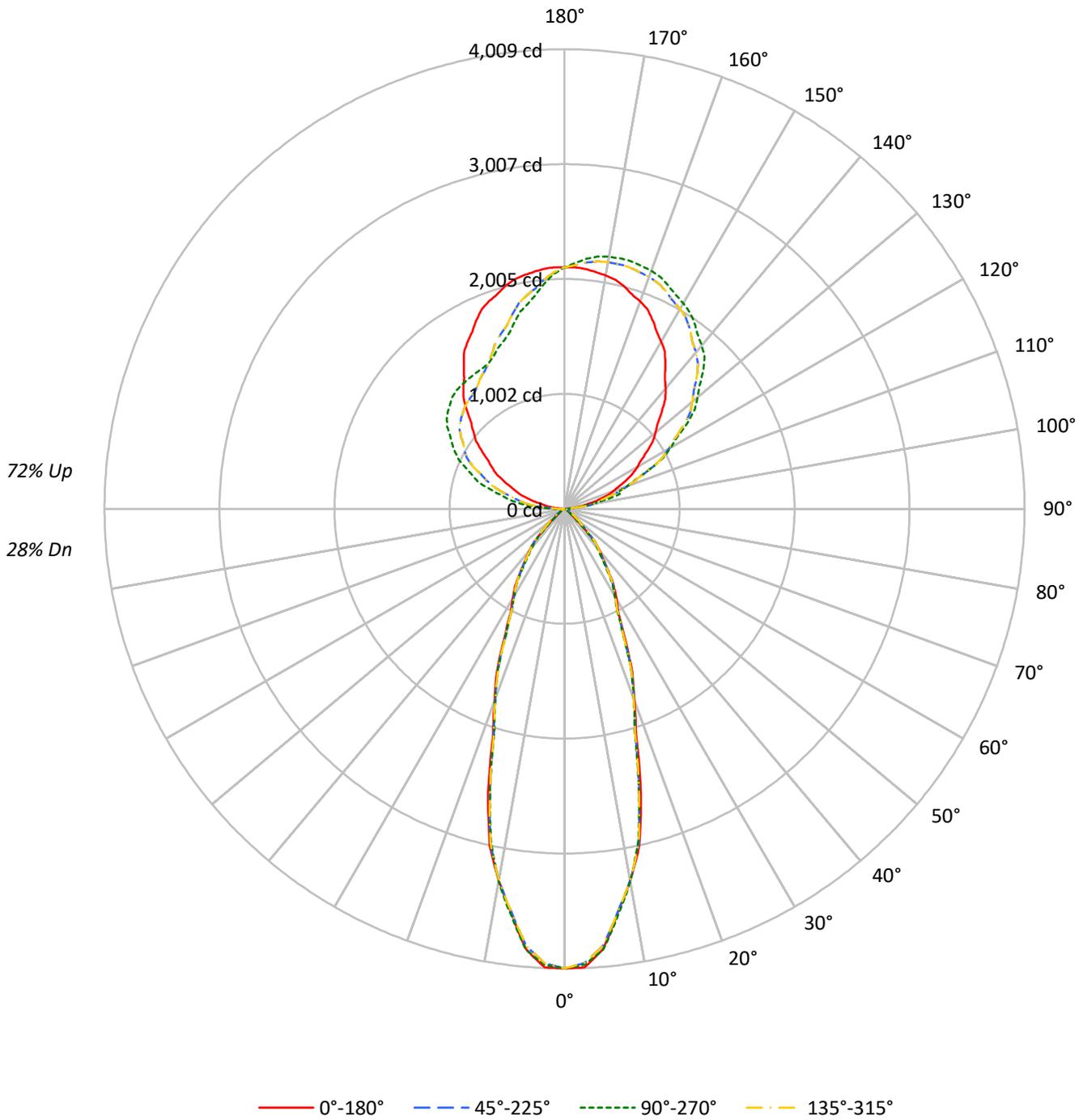
Lumens per Lamp: N/A
Luminaire Lumens: 8486.9 lumens
Efficiency: N/A
Efficacy: 115.9 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.63
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Indirect

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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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	102	102	102	102	91	91	91	91	71	71	71	52	52	52	35	35	35	28				
1	94	90	87	84	84	81	78	76	64	62	60	48	47	46	33	33	32	26				
2	87	80	75	71	78	72	68	65	57	55	52	44	42	41	31	30	29	24				
3	80	72	66	61	72	65	60	56	52	49	46	40	38	36	29	28	27	22				
4	74	65	58	53	67	59	53	49	47	44	41	37	34	33	27	26	25	21				
5	69	59	52	47	62	53	48	43	43	39	36	34	31	29	25	24	23	19				
6	64	53	46	41	58	49	43	38	40	36	33	32	29	27	24	22	21	18				
7	60	49	42	37	54	45	39	35	37	33	30	29	27	25	22	21	20	17				
8	56	45	38	34	50	41	35	31	34	30	27	27	25	23	21	20	18	16				
9	52	41	35	30	47	38	32	29	32	28	25	26	23	21	20	18	17	15				
10	49	38	32	28	44	35	30	26	30	26	23	24	21	20	19	17	16	14				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	64726	64726	64726	64726
5°	62495	62565	62495	62565
10°	54019	54147	54019	54147
15°	42985	41796	42985	41796
20°	30535	30353	30535	30353
25°	21969	21386	21969	21386
30°	16785	16294	16785	16294
35°	13176	12616	13176	12616
40°	9982	9369	9982	9369
45°	5585	4984	5585	4984
50°	1964	1733	1964	1733
55°	1202	1140	1202	1140
60°	917	849	917	849
65°	840	787	840	787
70°	807	736	807	736
75°	755	711	755	711
80°	660	660	660	660
85°	667	519	667	519

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 260°
 Vertical Angle: 87.5°
 Luminance: 7514 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	348.0	4.1
10°-20°	691.6	8.1
20°-30°	572.8	6.7
30°-40°	412.0	4.9
40°-50°	209.9	2.5
50°-60°	54.6	0.6
60°-70°	22.7	0.3
70°-80°	12.6	0.1
80°-90°	12.4	0.1
90°-100°	167.6	2.0
100°-110°	488.9	5.8
110°-120°	797.8	9.4
120°-130°	1012.4	11.9
130°-140°	1083.3	12.8
140°-150°	1011.5	11.9
150°-160°	832.4	9.8
160°-170°	558.2	6.6
170°-180°	198.2	2.3
0°-30°	1612.4	19.0
0°-40°	2024.4	23.9
0°-60°	2288.9	27.0
0°-90°	2336.6	27.5
90°-120°	1454.3	17.1
90°-150°	4561.5	53.7
90°-180°	6150.0	72.5
0°-180°	8486.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4009	4009	4009	4009	4009	
5°	3856	3860	3856	3860	3856	348
15°	2572	2500	2572	2500	2572	698
25°	1233	1200	1233	1200	1233	580
35°	668	640	668	640	668	419
45°	245	218	245	218	245	195
55°	43	40	43	40	43	42
65°	22	21	22	21	22	22
75°	12	11	12	11	12	13
85°	4	3	4	3	4	4
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°	4008.9	4008.9	4008.9	4008.9	4008.9	4008.9	4008.9	4008.9	4008.9	4008.9	4008.9
2.5°	4002.6	3999.6	3996.6	3983.1	3966.2	3964.8	3978.9	3988.7	3985.1	3981.6	3985.1
5°	3856.0	3853.5	3850.9	3839.4	3824.9	3829.9	3854.6	3871.6	3865.9	3860.3	3865.9
7.5°	3553.2	3555.3	3557.5	3551.6	3543.0	3549.6	3571.4	3586.2	3580.1	3574.1	3580.1
10°	3294.9	3300.6	3306.2	3298.2	3285.5	3295.2	3327.1	3345.7	3324.2	3302.7	3324.2
12.5°	3009.8	3006.2	3002.5	2995.1	2986.5	2984.8	2989.9	2990.8	2978.9	2967.0	2978.9
15°	2571.6	2558.3	2545.1	2524.7	2501.9	2494.5	2502.4	2507.4	2504.0	2500.5	2504.0
17.5°	2071.4	2076.5	2081.6	2067.8	2047.7	2037.3	2036.5	2035.0	2031.1	2027.1	2031.1
20°	1777.2	1778.8	1780.4	1771.8	1759.8	1756.9	1763.2	1767.8	1767.2	1766.6	1767.2
22.5°	1540.5	1540.9	1541.2	1529.8	1514.5	1511.5	1520.9	1526.5	1520.8	1515.1	1520.8
25°	1233.2	1232.2	1231.3	1223.7	1213.9	1206.6	1201.9	1198.6	1199.5	1200.5	1199.5
27.5°	1011.3	1007.4	1003.5	997.0	989.6	987.6	990.7	992.5	990.2	987.8	990.2
30°	900.3	897.2	894.0	887.5	880.0	877.1	879.0	879.7	876.9	874.0	876.9
32.5°	800.8	800.9	801.0	795.2	787.3	783.0	782.1	780.9	778.8	776.7	778.8
35°	668.5	670.4	672.3	667.6	660.6	654.8	650.0	645.7	642.9	640.1	642.9
37.5°	550.4	552.2	554.0	550.0	544.1	537.7	530.8	525.0	522.6	520.2	522.6
40°	473.6	474.9	476.2	473.4	469.3	463.1	454.9	448.3	446.4	444.5	446.4
42.5°	390.0	395.3	400.6	398.9	394.8	388.9	381.1	374.3	370.1	366.0	370.1
45°	244.6	261.4	278.1	285.7	290.1	288.0	279.5	267.0	242.7	218.3	242.7
47.5°	123.7	146.9	170.1	186.8	201.3	196.7	173.0	149.2	125.3	101.4	125.3
50°	78.2	94.3	110.5	130.9	152.7	147.9	116.6	90.5	79.7	69.0	79.7
52.5°	60.0	68.3	76.6	96.0	119.0	116.8	89.3	67.2	61.3	55.3	61.3
55°	42.7	45.8	49.0	59.7	73.0	72.2	57.4	45.6	43.1	40.5	43.1
57.5°	33.0	34.8	36.5	40.5	45.3	44.8	39.2	34.6	33.0	31.4	33.0
60°	28.4	29.7	31.0	33.0	35.2	34.8	32.0	29.5	27.9	26.3	27.9
62.5°	25.6	26.4	27.1	28.0	29.0	28.5	26.7	25.2	24.6	24.0	24.6
65°	22.0	22.4	22.7	22.8	22.8	22.4	21.8	21.3	20.9	20.6	20.9
67.5°	18.8	19.1	19.4	19.4	19.4	19.2	18.9	18.6	18.2	17.9	18.2
70°	17.1	17.4	17.7	17.5	17.2	16.9	16.6	16.3	16.0	15.6	16.0
72.5°	14.8	15.1	15.4	15.3	15.0	14.8	14.7	14.6	14.3	13.9	14.3
75°	12.1	12.1	12.1	12.1	12.1	11.9	11.6	11.4	11.4	11.4	11.4
77.5°	9.4	9.5	9.5	9.3	9.0	8.8	8.8	8.8	8.5	8.2	8.5
80°	7.1	7.4	7.7	7.6	7.3	7.1	7.1	7.1	7.1	7.1	7.1
82.5°	6.0	6.0	6.1	5.9	5.6	5.4	5.4	5.4	5.4	5.4	5.4
85°	3.6	3.6	3.6	3.3	3.0	3.0	3.3	3.5	3.2	2.8	3.2
87.5°	2.4	4.1	6.2	7.9	9.2	9.6	9.6	10.1	10.5	10.5	10.5
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°	4008.9	4008.9	4008.9	4008.9	4008.9	4008.9	4008.9	4008.9	4008.9	4008.9	4008.9
2.5°	3988.7	3978.9	3964.8	3966.2	3983.1	3996.6	3999.6	4002.6	3999.6	3996.6	3983.1
5°	3871.6	3854.6	3829.9	3824.9	3839.4	3850.9	3853.5	3856.0	3853.5	3850.9	3839.4
7.5°	3586.2	3571.4	3549.6	3543.0	3551.6	3557.5	3555.3	3553.2	3555.3	3557.5	3551.6
10°	3345.7	3327.1	3295.2	3285.5	3298.2	3306.2	3300.6	3294.9	3300.6	3306.2	3298.2
12.5°	2990.8	2989.9	2984.8	2986.5	2995.1	3002.5	3006.2	3009.8	3006.2	3002.5	2995.1
15°	2507.4	2502.4	2494.5	2501.9	2524.7	2545.1	2558.3	2571.6	2558.3	2545.1	2524.7
17.5°	2035.0	2036.5	2037.3	2047.7	2067.8	2081.6	2076.5	2071.4	2076.5	2081.6	2067.8
20°	1767.8	1763.2	1756.9	1759.8	1771.8	1780.4	1778.8	1777.2	1778.8	1780.4	1771.8
22.5°	1526.5	1520.9	1511.5	1514.5	1529.8	1541.2	1540.9	1540.5	1540.9	1541.2	1529.8
25°	1198.6	1201.9	1206.6	1213.9	1223.7	1231.3	1232.2	1233.2	1232.2	1231.3	1223.7
27.5°	992.5	990.7	987.6	989.6	997.0	1003.5	1007.4	1011.3	1007.4	1003.5	997.0
30°	879.7	879.0	877.1	880.0	887.5	894.0	897.2	900.3	897.2	894.0	887.5
32.5°	780.9	782.1	783.0	787.3	795.2	801.0	800.9	800.8	800.9	801.0	795.2
35°	645.7	650.0	654.8	660.6	667.6	672.3	670.4	668.5	670.4	672.3	667.6
37.5°	525.0	530.8	537.7	544.1	550.0	554.0	552.2	550.4	552.2	554.0	550.0
40°	448.3	454.9	463.1	469.3	473.4	476.2	474.9	473.6	474.9	476.2	473.4
42.5°	374.3	381.1	388.9	394.8	398.9	400.6	395.3	390.0	395.3	400.6	398.9
45°	267.0	279.5	288.0	290.1	285.7	278.1	261.4	244.6	261.4	278.1	285.7
47.5°	149.2	173.0	196.7	201.3	186.8	170.1	146.9	123.7	146.9	170.1	186.8
50°	90.5	116.6	147.9	152.7	130.9	110.5	94.3	78.2	94.3	110.5	130.9
52.5°	67.2	89.3	116.8	119.0	96.0	76.6	68.3	60.0	68.3	76.6	96.0
55°	45.6	57.4	72.2	73.0	59.7	49.0	45.8	42.7	45.8	49.0	59.7
57.5°	34.6	39.2	44.8	45.3	40.5	36.5	34.8	33.0	34.8	36.5	40.5
60°	29.5	32.0	34.8	35.2	33.0	31.0	29.7	28.4	29.7	31.0	33.0
62.5°	25.2	26.7	28.5	29.0	28.0	27.1	26.4	25.6	26.4	27.1	28.0
65°	21.3	21.8	22.4	22.8	22.8	22.7	22.4	22.0	22.4	22.7	22.8
67.5°	18.6	18.9	19.2	19.4	19.4	19.4	19.1	18.8	19.1	19.4	19.4
70°	16.3	16.6	16.9	17.2	17.5	17.7	17.4	17.1	17.4	17.7	17.5
72.5°	14.6	14.7	14.8	15.0	15.3	15.4	15.1	14.8	15.1	15.4	15.3
75°	11.4	11.6	11.9	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1
77.5°	8.8	8.8	8.8	9.0	9.3	9.5	9.5	9.4	9.5	9.5	9.3
80°	7.1	7.1	7.1	7.3	7.6	7.7	7.4	7.1	7.4	7.7	7.6
82.5°	5.4	5.4	5.4	5.6	5.9	6.1	6.0	6.0	6.0	6.1	5.9
85°	3.5	3.3	3.0	3.0	3.3	3.6	3.6	3.6	3.6	3.6	3.3
87.5°	10.1	9.6	9.6	9.2	7.9	6.2	4.1	2.4	4.1	5.8	8.8
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: P1428649

CATALOG NUMBER: SQ2W-WBN-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: P1428649

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	4008.9	4008.9	4008.9	4008.9	4008.9	4008.9	4008.9	4008.9	4008.9	4008.9	4008.9
2.5°	3966.2	3964.8	3978.9	3988.7	3985.1	3981.6	3985.1	3988.7	3978.9	3964.8	3966.2
5°	3824.9	3829.9	3854.6	3871.6	3865.9	3860.3	3865.9	3871.6	3854.6	3829.9	3824.9
7.5°	3543.0	3549.6	3571.4	3586.2	3580.1	3574.1	3580.1	3586.2	3571.4	3549.6	3543.0
10°	3285.5	3295.2	3327.1	3345.7	3324.2	3302.7	3324.2	3345.7	3327.1	3295.2	3285.5
12.5°	2986.5	2984.8	2989.9	2990.8	2978.9	2967.0	2978.9	2990.8	2989.9	2984.8	2986.5
15°	2501.9	2494.5	2502.4	2507.4	2504.0	2500.5	2504.0	2507.4	2502.4	2494.5	2501.9
17.5°	2047.7	2037.3	2036.5	2035.0	2031.1	2027.1	2031.1	2035.0	2036.5	2037.3	2047.7
20°	1759.8	1756.9	1763.2	1767.8	1767.2	1766.6	1767.2	1767.8	1763.2	1756.9	1759.8
22.5°	1514.5	1511.5	1520.9	1526.5	1520.8	1515.1	1520.8	1526.5	1520.9	1511.5	1514.5
25°	1213.9	1206.6	1201.9	1198.6	1199.5	1200.5	1199.5	1198.6	1201.9	1206.6	1213.9
27.5°	989.6	987.6	990.7	992.5	990.2	987.8	990.2	992.5	990.7	987.6	989.6
30°	880.0	877.1	879.0	879.7	876.9	874.0	876.9	879.7	879.0	877.1	880.0
32.5°	787.3	783.0	782.1	780.9	778.8	776.7	778.8	780.9	782.1	783.0	787.3
35°	660.6	654.8	650.0	645.7	642.9	640.1	642.9	645.7	650.0	654.8	660.6
37.5°	544.1	537.7	530.8	525.0	522.6	520.2	522.6	525.0	530.8	537.7	544.1
40°	469.3	463.1	454.9	448.3	446.4	444.5	446.4	448.3	454.9	463.1	469.3
42.5°	394.8	388.9	381.1	374.3	370.1	366.0	370.1	374.3	381.1	388.9	394.8
45°	290.1	288.0	279.5	267.0	242.7	218.3	242.7	267.0	279.5	288.0	290.1
47.5°	201.3	196.7	173.0	149.2	125.3	101.4	125.3	149.2	173.0	196.7	201.3
50°	152.7	147.9	116.6	90.5	79.7	69.0	79.7	90.5	116.6	147.9	152.7
52.5°	119.0	116.8	89.3	67.2	61.3	55.3	61.3	67.2	89.3	116.8	119.0
55°	73.0	72.2	57.4	45.6	43.1	40.5	43.1	45.6	57.4	72.2	73.0
57.5°	45.3	44.8	39.2	34.6	33.0	31.4	33.0	34.6	39.2	44.8	45.3
60°	35.2	34.8	32.0	29.5	27.9	26.3	27.9	29.5	32.0	34.8	35.2
62.5°	29.0	28.5	26.7	25.2	24.6	24.0	24.6	25.2	26.7	28.5	29.0
65°	22.8	22.4	21.8	21.3	20.9	20.6	20.9	21.3	21.8	22.4	22.8
67.5°	19.4	19.2	18.9	18.6	18.2	17.9	18.2	18.6	18.9	19.2	19.4
70°	17.2	16.9	16.6	16.3	16.0	15.6	16.0	16.3	16.6	16.9	17.2
72.5°	15.0	14.8	14.7	14.6	14.3	13.9	14.3	14.6	14.7	14.8	15.0
75°	12.1	11.9	11.6	11.4	11.4	11.4	11.4	11.4	11.6	11.9	12.1
77.5°	9.0	8.8	8.8	8.8	8.5	8.2	8.5	8.8	8.8	8.8	9.0
80°	7.3	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.3
82.5°	5.6	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.6
85°	3.0	3.0	3.3	3.5	3.2	2.8	3.2	3.5	3.3	3.0	3.0
87.5°	10.9	13.9	16.9	18.6	20.3	19.4	20.3	18.6	16.9	13.9	10.9
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: P1428649

CATALOG NUMBER: SQ2W-WBN-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: P1428649

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	4008.9	4008.9	4008.9	4008.9
2.5°	3983.1	3996.6	3999.6	4002.6
5°	3839.4	3850.9	3853.5	3856.0
7.5°	3551.6	3557.5	3555.3	3553.2
10°	3298.2	3306.2	3300.6	3294.9
12.5°	2995.1	3002.5	3006.2	3009.8
15°	2524.7	2545.1	2558.3	2571.6
17.5°	2067.8	2081.6	2076.5	2071.4
20°	1771.8	1780.4	1778.8	1777.2
22.5°	1529.8	1541.2	1540.9	1540.5
25°	1223.7	1231.3	1232.2	1233.2
27.5°	997.0	1003.5	1007.4	1011.3
30°	887.5	894.0	897.2	900.3
32.5°	795.2	801.0	800.9	800.8
35°	667.6	672.3	670.4	668.5
37.5°	550.0	554.0	552.2	550.4
40°	473.4	476.2	474.9	473.6
42.5°	398.9	400.6	395.3	390.0
45°	285.7	278.1	261.4	244.6
47.5°	186.8	170.1	146.9	123.7
50°	130.9	110.5	94.3	78.2
52.5°	96.0	76.6	68.3	60.0
55°	59.7	49.0	45.8	42.7
57.5°	40.5	36.5	34.8	33.0
60°	33.0	31.0	29.7	28.4
62.5°	28.0	27.1	26.4	25.6
65°	22.8	22.7	22.4	22.0
67.5°	19.4	19.4	19.1	18.8
70°	17.5	17.7	17.4	17.1
72.5°	15.3	15.4	15.1	14.8
75°	12.1	12.1	12.1	12.1
77.5°	9.3	9.5	9.5	9.4
80°	7.6	7.7	7.4	7.1
82.5°	5.9	6.1	6.0	6.0
85°	3.3	3.6	3.6	3.6
87.5°	8.8	5.8	4.1	2.4
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: P1428649

CATALOG NUMBER: SQ2W-WBN-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: P1428649
 CATALOG NUMBER: SQ2W-WBN-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	1.26	0.00	0.00	0.00	0.00	0.89
	3H	0.00	0.00	0.35	0.86	2.45	0.00	0.00	0.00	0.47	2.06
	4H	0.00	0.22	0.87	1.35	2.94	0.00	0.00	0.48	0.96	2.55
	6H	0.05	0.52	1.23	1.66	3.26	0.00	0.11	0.81	1.24	2.84
	8H	0.20	0.64	1.37	1.79	3.39	0.00	0.22	0.95	1.37	2.96
	12H	0.29	0.71	1.47	1.86	3.47	0.00	0.26	1.02	1.41	3.02
4H	2H	0.00	0.00	0.00	0.00	1.51	0.00	0.00	0.00	0.00	1.21
	3H	0.00	0.20	0.95	1.36	2.96	0.00	0.00	0.61	1.02	2.62
	4H	0.42	0.81	1.60	1.96	3.58	0.07	0.46	1.25	1.61	3.23
	6H	0.90	1.24	2.09	2.41	4.02	0.52	0.86	1.70	2.03	3.64
	8H	1.11	1.43	2.30	2.59	4.21	0.72	1.03	1.90	2.19	3.81
	12H	1.25	1.53	2.45	2.70	4.33	0.82	1.11	2.02	2.28	3.91
8H	4H	0.58	0.89	1.76	2.05	3.68	0.26	0.58	1.45	1.74	3.36
	6H	1.21	1.47	2.41	2.67	4.29	0.86	1.11	2.06	2.32	3.94
	8H	1.53	1.75	2.74	2.94	4.58	1.15	1.37	2.36	2.55	4.20
	12H	1.76	1.96	2.97	3.14	4.81	1.36	1.55	2.56	2.73	4.40
12H	4H	0.55	0.83	1.75	2.01	3.64	0.25	0.53	1.45	1.70	3.33
	6H	1.25	1.47	2.46	2.65	4.30	0.91	1.13	2.12	2.32	3.96
	8H	1.60	1.79	2.80	2.97	4.64	1.23	1.42	2.43	2.60	4.28