

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: P1436050

Luminaire Tested: SQ2W-FB-K-150U-125D-L940-UNV-STD-W-WM-4

Issue Date: 3/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1436050
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-12)
Test Lab: INNOVATION CENTER
Issue Date: 3/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-FB-K-150U-125D-L940-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - FROSTED CONTINUOUS BATWING ROLL LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1250 LUMENS PER FOOT
UPLIGHT 1500 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

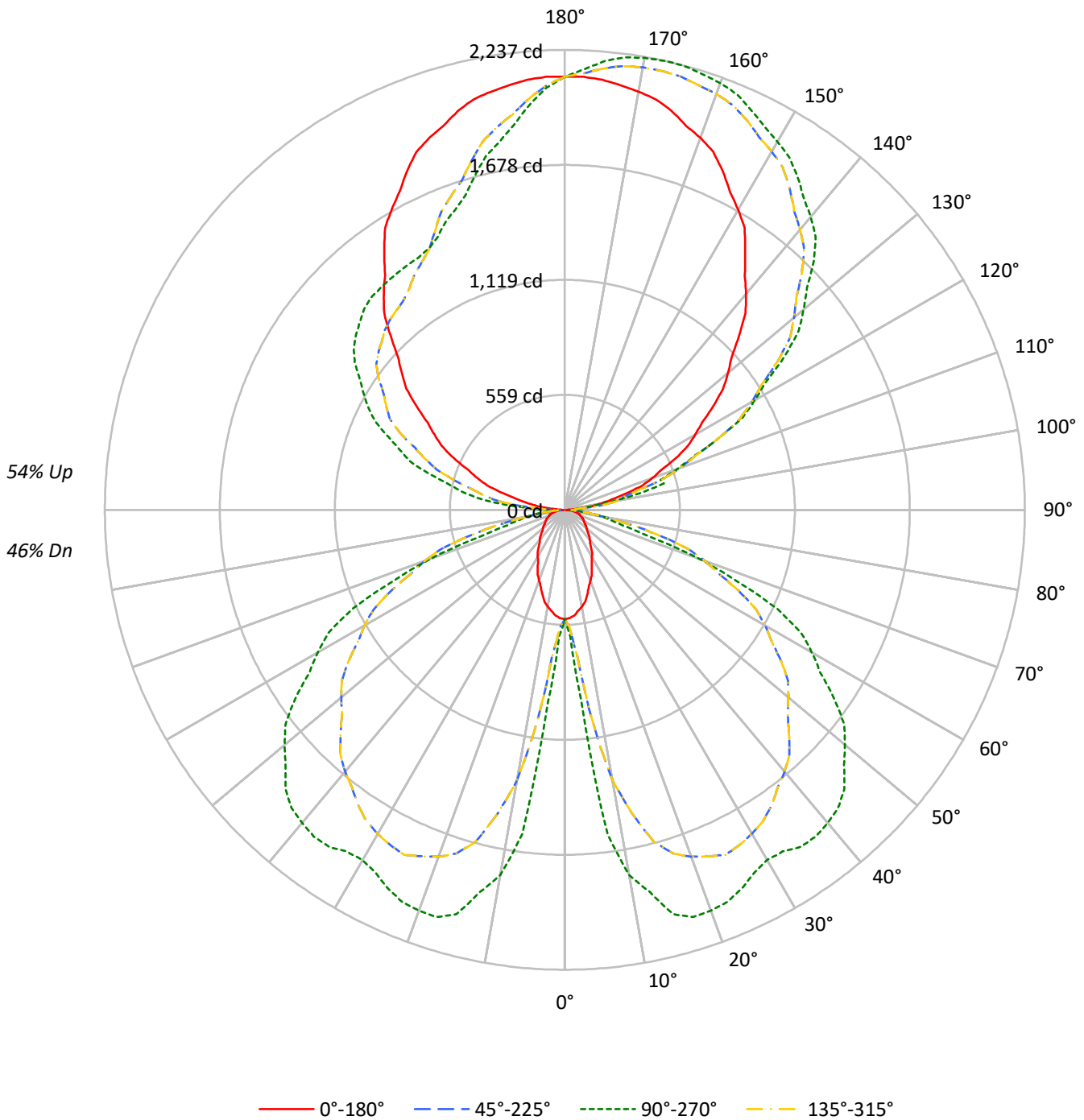
Lumens per Lamp: N/A
Luminaire Lumens: 11406.9 lumens
Efficiency: N/A
Efficacy: 109.4 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 2.98 / 2.52
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 104.3
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	0
RCR																		
0	106	106	106	106	97	97	97	97	81	81	81	66	66	66	53	53	53	46
1	97	92	88	85	89	85	82	78	71	68	66	58	56	55	46	45	44	38
2	88	80	74	69	80	74	68	64	62	58	54	50	48	45	40	38	36	32
3	80	70	63	57	73	65	58	53	54	49	45	44	41	38	35	33	31	26
4	73	62	54	47	66	57	50	44	48	42	38	39	35	32	31	28	26	22
5	66	55	46	40	61	50	43	38	42	37	32	35	30	27	28	25	22	19
6	61	49	40	35	56	45	38	32	38	32	28	31	27	23	25	22	19	16
7	56	44	36	30	51	40	33	28	34	28	24	28	24	20	22	19	17	14
8	52	39	32	26	47	36	29	25	31	25	21	25	21	18	20	17	15	12
9	48	36	28	23	44	33	26	22	28	23	19	23	19	16	19	16	13	11
10	45	33	25	20	41	30	24	19	26	20	17	21	17	14	17	14	12	10

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	8578	8578	8578	8578
5°	8363	15194	8363	15194
10°	7832	29568	7832	29568
15°	7089	34032	7089	34032
20°	6276	35640	6276	35640
25°	5553	36224	5553	36224
30°	4905	36671	4905	36671
35°	4380	39424	4380	39424
40°	3983	41890	3983	41890
45°	3674	43863	3674	43863
50°	3464	44660	3464	44660
55°	3381	45016	3381	45016
60°	3465	44791	3465	44791
65°	3610	43525	3610	43525
70°	3739	32922	3739	32922
75°	4142	18166	4142	18166
80°	4277	16866	4277	16866
85°	4261	7095	4261	7095

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 52.5°
 Luminance: 45422 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.0	0.8
10°-20°	406.2	3.6
20°-30°	714.8	6.3
30°-40°	925.3	8.1
40°-50°	1020.4	8.9
50°-60°	952.4	8.3
60°-70°	735.8	6.5
70°-80°	339.2	3.0
80°-90°	73.6	0.6
90°-100°	167.6	1.5
100°-110°	488.9	4.3
110°-120°	797.8	7.0
120°-130°	1012.4	8.9
130°-140°	1083.3	9.5
140°-150°	1011.5	8.9
150°-160°	832.4	7.3
160°-170°	558.2	4.9
170°-180°	198.2	1.7
0°-30°	1210.0	10.6
0°-40°	2135.3	18.7
0°-60°	4108.1	36.0
0°-90°	5256.6	46.1
90°-120°	1454.3	12.7
90°-150°	4561.5	40.0
90°-180°	6150.0	53.9
0°-180°	11406.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	531	531	531	531	531	
5°	516	938	516	938	516	48
15°	424	2036	424	2036	424	118
25°	312	2033	312	2033	312	143
35°	222	2000	222	2000	222	140
45°	161	1921	161	1921	161	125
55°	120	1599	120	1599	120	108
65°	94	1139	94	1139	94	93
75°	66	291	66	291	66	68
85°	23	38	23	38	23	24
90°	6	47	6	92	6	6
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°	531.3	531.3	531.3	531.3	531.3	531.3	531.3	531.3	531.3	531.3	531.3
2.5°	527.3	537.3	547.2	557.9	568.8	580.6	593.3	604.2	609.7	615.1	609.7
5°	516.0	550.1	584.1	633.5	688.0	749.9	819.2	878.5	908.0	937.5	908.0
7.5°	496.1	565.4	634.6	781.4	953.9	1133.1	1318.8	1472.9	1531.9	1591.0	1531.9
10°	477.7	574.2	670.7	919.6	1219.4	1449.9	1611.1	1739.9	1771.7	1803.5	1771.7
12.5°	457.3	588.3	719.3	1026.6	1392.6	1632.2	1745.3	1838.3	1871.0	1903.7	1871.0
15°	424.1	611.4	798.7	1146.1	1546.9	1793.3	1885.3	1963.3	1999.7	2036.0	1999.7
17.5°	389.8	639.2	888.5	1242.9	1632.3	1872.6	1963.6	2036.8	2056.6	2076.3	2056.6
20°	365.3	658.2	951.1	1306.2	1682.0	1909.1	1987.5	2049.3	2061.8	2074.3	2061.8
22.5°	342.8	670.3	997.7	1353.2	1718.1	1930.2	1989.5	2037.3	2050.7	2064.1	2050.7
25°	311.7	680.6	1049.6	1404.2	1753.9	1947.4	1984.9	2015.3	2024.4	2033.4	2024.4
27.5°	281.5	671.4	1061.3	1411.3	1748.1	1928.7	1953.2	1973.8	1982.7	1991.5	1982.7
30°	263.1	659.4	1055.6	1402.5	1732.8	1907.1	1925.3	1942.0	1954.5	1967.0	1954.5
32.5°	246.8	644.8	1042.9	1385.4	1709.5	1880.1	1897.4	1917.1	1944.1	1971.1	1944.1
35°	222.2	613.9	1005.6	1344.6	1665.9	1840.1	1867.4	1900.3	1950.3	2000.2	1950.3
37.5°	201.3	574.4	947.5	1282.9	1605.8	1795.7	1852.7	1907.5	1955.7	2003.8	1955.7
40°	189.0	546.7	904.3	1237.3	1562.0	1762.4	1838.4	1905.7	1946.6	1987.5	1946.6
42.5°	176.8	515.3	853.9	1184.1	1511.6	1719.7	1808.5	1885.3	1926.1	1967.0	1926.1
45°	160.9	465.2	769.5	1096.8	1431.7	1651.4	1755.8	1843.8	1882.4	1921.0	1882.4
47.5°	146.1	410.4	674.7	1003.4	1353.6	1584.1	1694.9	1785.0	1813.2	1841.3	1813.2
50°	137.9	374.1	610.3	940.1	1301.1	1536.1	1645.1	1732.6	1755.3	1778.0	1755.3
52.5°	129.8	338.7	547.6	878.1	1249.1	1486.0	1588.6	1670.8	1691.7	1712.6	1691.7
55°	120.1	290.4	460.7	787.7	1166.9	1401.3	1491.0	1562.8	1581.0	1599.2	1581.0
57.5°	111.4	248.8	386.1	702.8	1079.3	1305.8	1382.4	1443.4	1458.2	1473.0	1458.2
60°	107.3	226.5	345.7	649.7	1015.3	1232.7	1302.0	1357.6	1372.4	1387.1	1372.4
62.5°	101.2	204.9	308.7	596.6	945.8	1152.3	1216.1	1267.5	1281.3	1295.2	1281.3
65°	94.5	178.5	262.6	522.0	839.9	1025.5	1078.9	1121.2	1130.3	1139.3	1130.3
67.5°	85.3	156.6	227.9	453.7	730.9	886.1	919.3	939.9	922.9	905.8	922.9
70°	79.2	145.0	210.9	412.1	658.5	787.4	798.7	795.0	746.2	697.4	746.2
72.5°	75.1	133.7	192.3	366.5	579.3	673.2	648.2	606.3	513.9	421.5	513.9
75°	66.4	114.1	161.8	292.9	451.9	476.9	367.9	286.7	288.9	291.2	288.9
77.5°	54.2	89.8	125.5	206.1	301.7	320.6	262.9	220.2	222.2	224.3	222.2
80°	46.0	74.4	102.8	134.5	167.5	182.8	180.5	179.1	180.2	181.4	180.2
82.5°	37.8	58.9	80.0	99.1	117.5	127.8	130.1	131.4	129.8	128.2	129.8
85°	23.0	35.5	48.0	55.3	61.0	59.3	50.2	42.9	40.6	38.3	40.6
87.5°	9.5	15.7	22.4	22.5	20.1	18.7	18.7	19.2	19.6	19.6	19.6
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°	531.3	531.3	531.3	531.3	531.3	531.3	531.3	531.3	531.3	531.3	531.3
2.5°	604.2	593.3	580.6	568.8	557.9	547.2	537.3	527.3	537.3	547.2	557.9
5°	878.5	819.2	749.9	688.0	633.5	584.1	550.1	516.0	550.1	584.1	633.5
7.5°	1472.9	1318.8	1133.1	953.9	781.4	634.6	565.4	496.1	565.4	634.6	781.4
10°	1739.9	1611.1	1449.9	1219.4	919.6	670.7	574.2	477.7	574.2	670.7	919.6
12.5°	1838.3	1745.3	1632.2	1392.6	1026.6	719.3	588.3	457.3	588.3	719.3	1026.6
15°	1963.3	1885.3	1793.3	1546.9	1146.1	798.7	611.4	424.1	611.4	798.7	1146.1
17.5°	2036.8	1963.6	1872.6	1632.3	1242.9	888.5	639.2	389.8	639.2	888.5	1242.9
20°	2049.3	1987.5	1909.1	1682.0	1306.2	951.1	658.2	365.3	658.2	951.1	1306.2
22.5°	2037.3	1989.5	1930.2	1718.1	1353.2	997.7	670.3	342.8	670.3	997.7	1353.2
25°	2015.3	1984.9	1947.4	1753.9	1404.2	1049.6	680.6	311.7	680.6	1049.6	1404.2
27.5°	1973.8	1953.2	1928.7	1748.1	1411.3	1061.3	671.4	281.5	671.4	1061.3	1411.3
30°	1942.0	1925.3	1907.1	1732.8	1402.5	1055.6	659.4	263.1	659.4	1055.6	1402.5
32.5°	1917.1	1897.4	1880.1	1709.5	1385.4	1042.9	644.8	246.8	644.8	1042.9	1385.4
35°	1900.3	1867.4	1840.1	1665.9	1344.6	1005.6	613.9	222.2	613.9	1005.6	1344.6
37.5°	1907.5	1852.7	1795.7	1605.8	1282.9	947.5	574.4	201.3	574.4	947.5	1282.9
40°	1905.7	1838.4	1762.4	1562.0	1237.3	904.3	546.7	189.0	546.7	904.3	1237.3
42.5°	1885.3	1808.5	1719.7	1511.6	1184.1	853.9	515.3	176.8	515.3	853.9	1184.1
45°	1843.8	1755.8	1651.4	1431.7	1096.8	769.5	465.2	160.9	465.2	769.5	1096.8
47.5°	1785.0	1694.9	1584.1	1353.6	1003.4	674.7	410.4	146.1	410.4	674.7	1003.4
50°	1732.6	1645.1	1536.1	1301.1	940.1	610.3	374.1	137.9	374.1	610.3	940.1
52.5°	1670.8	1588.6	1486.0	1249.1	878.1	547.6	338.7	129.8	338.7	547.6	878.1
55°	1562.8	1491.0	1401.3	1166.9	787.7	460.7	290.4	120.1	290.4	460.7	787.7
57.5°	1443.4	1382.4	1305.8	1079.3	702.8	386.1	248.8	111.4	248.8	386.1	702.8
60°	1357.6	1302.0	1232.7	1015.3	649.7	345.7	226.5	107.3	226.5	345.7	649.7
62.5°	1267.5	1216.1	1152.3	945.8	596.6	308.7	204.9	101.2	204.9	308.7	596.6
65°	1121.2	1078.9	1025.5	839.9	522.0	262.6	178.5	94.5	178.5	262.6	522.0
67.5°	939.9	919.3	886.1	730.9	453.7	227.9	156.6	85.3	156.6	227.9	453.7
70°	795.0	798.7	787.4	658.5	412.1	210.9	145.0	79.2	145.0	210.9	412.1
72.5°	606.3	648.2	673.2	579.3	366.5	192.3	133.7	75.1	133.7	192.3	366.5
75°	286.7	367.9	476.9	451.9	292.9	161.8	114.1	66.4	114.1	161.8	292.9
77.5°	220.2	262.9	320.6	301.7	206.1	125.5	89.8	54.2	89.8	125.5	206.1
80°	179.1	180.5	182.8	167.5	134.5	102.8	74.4	46.0	74.4	102.8	134.5
82.5°	131.4	130.1	127.8	117.5	99.1	80.0	58.9	37.8	58.9	80.0	99.1
85°	42.9	50.2	59.3	61.0	55.3	48.0	35.5	23.0	35.5	48.0	55.3
87.5°	19.2	18.7	18.7	20.1	22.5	22.4	15.7	9.5	15.7	21.9	23.3
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



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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



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CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	531.3	531.3	531.3	531.3	531.3	531.3	531.3	531.3	531.3	531.3	531.3
2.5°	568.8	580.6	593.3	604.2	609.7	615.1	609.7	604.2	593.3	580.6	568.8
5°	688.0	749.9	819.2	878.5	908.0	937.5	908.0	878.5	819.2	749.9	688.0
7.5°	953.9	1133.1	1318.8	1472.9	1531.9	1591.0	1531.9	1472.9	1318.8	1133.1	953.9
10°	1219.4	1449.9	1611.1	1739.9	1771.7	1803.5	1771.7	1739.9	1611.1	1449.9	1219.4
12.5°	1392.6	1632.2	1745.3	1838.3	1871.0	1903.7	1871.0	1838.3	1745.3	1632.2	1392.6
15°	1546.9	1793.3	1885.3	1963.3	1999.7	2036.0	1999.7	1963.3	1885.3	1793.3	1546.9
17.5°	1632.3	1872.6	1963.6	2036.8	2056.6	2076.3	2056.6	2036.8	1963.6	1872.6	1632.3
20°	1682.0	1909.1	1987.5	2049.3	2061.8	2074.3	2061.8	2049.3	1987.5	1909.1	1682.0
22.5°	1718.1	1930.2	1989.5	2037.3	2050.7	2064.1	2050.7	2037.3	1989.5	1930.2	1718.1
25°	1753.9	1947.4	1984.9	2015.3	2024.4	2033.4	2024.4	2015.3	1984.9	1947.4	1753.9
27.5°	1748.1	1928.7	1953.2	1973.8	1982.7	1991.5	1982.7	1973.8	1953.2	1928.7	1748.1
30°	1732.8	1907.1	1925.3	1942.0	1954.5	1967.0	1954.5	1942.0	1925.3	1907.1	1732.8
32.5°	1709.5	1880.1	1897.4	1917.1	1944.1	1971.1	1944.1	1917.1	1897.4	1880.1	1709.5
35°	1665.9	1840.1	1867.4	1900.3	1950.3	2000.2	1950.3	1900.3	1867.4	1840.1	1665.9
37.5°	1605.8	1795.7	1852.7	1907.5	1955.7	2003.8	1955.7	1907.5	1852.7	1795.7	1605.8
40°	1562.0	1762.4	1838.4	1905.7	1946.6	1987.5	1946.6	1905.7	1838.4	1762.4	1562.0
42.5°	1511.6	1719.7	1808.5	1885.3	1926.1	1967.0	1926.1	1885.3	1808.5	1719.7	1511.6
45°	1431.7	1651.4	1755.8	1843.8	1882.4	1921.0	1882.4	1843.8	1755.8	1651.4	1431.7
47.5°	1353.6	1584.1	1694.9	1785.0	1813.2	1841.3	1813.2	1785.0	1694.9	1584.1	1353.6
50°	1301.1	1536.1	1645.1	1732.6	1755.3	1778.0	1755.3	1732.6	1645.1	1536.1	1301.1
52.5°	1249.1	1486.0	1588.6	1670.8	1691.7	1712.6	1691.7	1670.8	1588.6	1486.0	1249.1
55°	1166.9	1401.3	1491.0	1562.8	1581.0	1599.2	1581.0	1562.8	1491.0	1401.3	1166.9
57.5°	1079.3	1305.8	1382.4	1443.4	1458.2	1473.0	1458.2	1443.4	1382.4	1305.8	1079.3
60°	1015.3	1232.7	1302.0	1357.6	1372.4	1387.1	1372.4	1357.6	1302.0	1232.7	1015.3
62.5°	945.8	1152.3	1216.1	1267.5	1281.3	1295.2	1281.3	1267.5	1216.1	1152.3	945.8
65°	839.9	1025.5	1078.9	1121.2	1130.3	1139.3	1130.3	1121.2	1078.9	1025.5	839.9
67.5°	730.9	886.1	919.3	939.9	922.9	905.8	922.9	939.9	919.3	886.1	730.9
70°	658.5	787.4	798.7	795.0	746.2	697.4	746.2	795.0	798.7	787.4	658.5
72.5°	579.3	673.2	648.2	606.3	513.9	421.5	513.9	606.3	648.2	673.2	579.3
75°	451.9	476.9	367.9	286.7	288.9	291.2	288.9	286.7	367.9	476.9	451.9
77.5°	301.7	320.6	262.9	220.2	222.2	224.3	222.2	220.2	262.9	320.6	301.7
80°	167.5	182.8	180.5	179.1	180.2	181.4	180.2	179.1	180.5	182.8	167.5
82.5°	117.5	127.8	130.1	131.4	129.8	128.2	129.8	131.4	130.1	127.8	117.5
85°	61.0	59.3	50.2	42.9	40.6	38.3	40.6	42.9	50.2	59.3	61.0
87.5°	21.8	23.0	26.0	27.7	29.4	28.5	29.4	27.7	26.0	23.0	21.8
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: P1436050

CATALOG NUMBER: SQ2W-FB-K-150U-125D-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: P1436050

CATALOG NUMBER: SQ2W-FB-K-150U-125D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	531.3	531.3	531.3	531.3
2.5°	557.9	547.2	537.3	527.3
5°	633.5	584.1	550.1	516.0
7.5°	781.4	634.6	565.4	496.1
10°	919.6	670.7	574.2	477.7
12.5°	1026.6	719.3	588.3	457.3
15°	1146.1	798.7	611.4	424.1
17.5°	1242.9	888.5	639.2	389.8
20°	1306.2	951.1	658.2	365.3
22.5°	1353.2	997.7	670.3	342.8
25°	1404.2	1049.6	680.6	311.7
27.5°	1411.3	1061.3	671.4	281.5
30°	1402.5	1055.6	659.4	263.1
32.5°	1385.4	1042.9	644.8	246.8
35°	1344.6	1005.6	613.9	222.2
37.5°	1282.9	947.5	574.4	201.3
40°	1237.3	904.3	546.7	189.0
42.5°	1184.1	853.9	515.3	176.8
45°	1096.8	769.5	465.2	160.9
47.5°	1003.4	674.7	410.4	146.1
50°	940.1	610.3	374.1	137.9
52.5°	878.1	547.6	338.7	129.8
55°	787.7	460.7	290.4	120.1
57.5°	702.8	386.1	248.8	111.4
60°	649.7	345.7	226.5	107.3
62.5°	596.6	308.7	204.9	101.2
65°	522.0	262.6	178.5	94.5
67.5°	453.7	227.9	156.6	85.3
70°	412.1	210.9	145.0	79.2
72.5°	366.5	192.3	133.7	75.1
75°	292.9	161.8	114.1	66.4
77.5°	206.1	125.5	89.8	54.2
80°	134.5	102.8	74.4	46.0
82.5°	99.1	80.0	58.9	37.8
85°	55.3	48.0	35.5	23.0
87.5°	23.3	21.9	15.7	9.5
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: P1436050

CATALOG NUMBER: SQ2W-FB-K-150U-125D-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: P1436050
 CATALOG NUMBER: SQ2W-FB-K-150U-125D-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	13.27	14.12	14.25	15.12	16.45	22.87	23.72	23.85	24.72	26.04
	3H	14.21	14.97	15.20	15.98	17.33	24.47	25.24	25.47	26.25	27.59
	4H	14.61	15.33	15.61	16.34	17.69	24.65	25.37	25.66	26.38	27.74
	6H	14.86	15.53	15.88	16.54	17.91	24.72	25.39	25.74	26.41	27.77
	8H	14.95	15.59	15.98	16.62	17.98	24.74	25.38	25.77	26.41	27.77
	12H	15.00	15.60	16.03	16.63	18.02	24.72	25.32	25.75	26.35	27.74
4H	2H	17.99	18.71	19.00	19.72	21.08	23.23	23.95	24.25	24.97	26.32
	3H	19.12	19.72	20.14	20.76	22.13	25.12	25.72	26.14	26.76	28.13
	4H	19.40	19.95	20.43	20.98	22.37	25.34	25.89	26.37	26.92	28.31
	6H	19.53	20.01	20.58	21.06	22.45	25.47	25.94	26.51	27.00	28.39
	8H	19.57	20.01	20.62	21.06	22.47	25.51	25.96	26.56	27.01	28.41
	12H	19.57	19.97	20.64	21.04	22.44	25.50	25.90	26.56	26.96	28.37
8H	4H	20.59	21.03	21.63	22.08	23.48	25.43	25.87	26.47	26.92	28.32
	6H	20.85	21.21	21.92	22.30	23.70	25.63	25.99	26.69	27.08	28.48
	8H	20.95	21.27	22.02	22.34	23.76	25.72	26.04	26.79	27.11	28.53
	12H	20.99	21.27	22.07	22.34	23.80	25.72	26.00	26.80	27.07	28.53
12H	4H	20.61	21.01	21.68	22.08	23.48	25.38	25.78	26.44	26.85	28.25
	6H	20.95	21.28	22.03	22.35	23.77	25.61	25.93	26.68	27.01	28.42
	8H	21.09	21.37	22.17	22.44	23.90	25.71	25.99	26.79	27.06	28.52