

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: P1436049

Luminaire Tested: SQ2W-FB-K-150U-125D-L935-UNV-STD-W-WM-4

Issue Date: 3/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1436049
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-L935-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: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

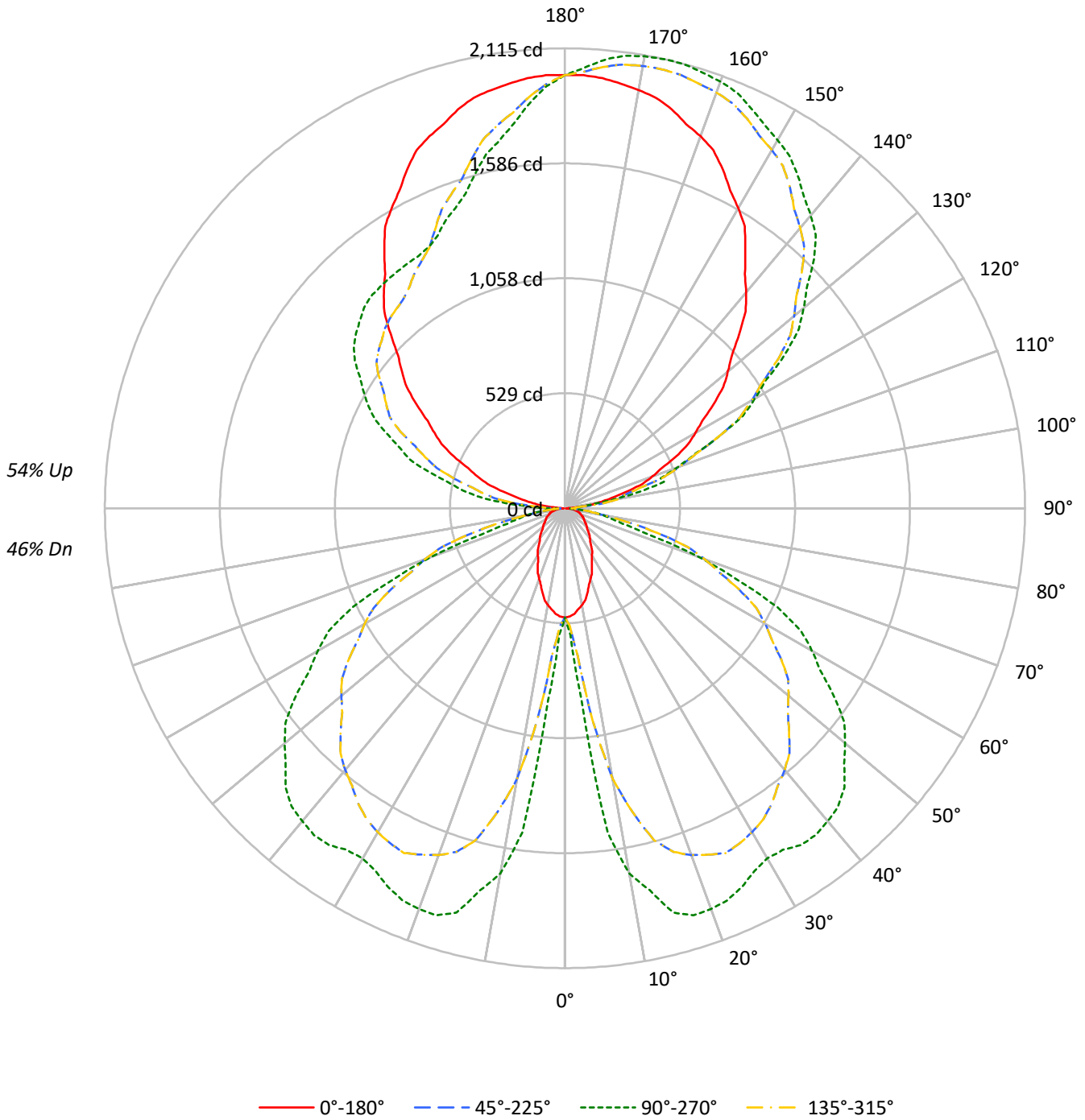
Lumens per Lamp: N/A
Luminaire Lumens: 10784.0 lumens
Efficiency: N/A
Efficacy: 103.4 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 2.98 / 2.52
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 104.3
Input Voltage (V): 120
Input Current (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

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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	106	106	106	106	97	97	97	97	81	81	81	66	66	66	53	53	53	46				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°	8110	8110	8110	8110
5°	7906	14364	7906	14364
10°	7404	27953	7404	27953
15°	6701	32173	6701	32173
20°	5935	33693	5935	33693
25°	5248	34247	5248	34247
30°	4638	34669	4638	34669
35°	4141	37272	4141	37272
40°	3766	39601	3766	39601
45°	3473	41467	3473	41467
50°	3275	42221	3275	42221
55°	3195	42556	3195	42556
60°	3274	42347	3274	42347
65°	3415	41149	3415	41149
70°	3536	31123	3536	31123
75°	3918	17174	3918	17174
80°	4045	15946	4045	15946
85°	4020	6706	4020	6706

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 52.5°
 Luminance: 42942 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.2	0.8
10°-20°	384.0	3.6
20°-30°	675.7	6.3
30°-40°	874.7	8.1
40°-50°	964.7	8.9
50°-60°	900.4	8.3
60°-70°	695.6	6.5
70°-80°	320.7	3.0
80°-90°	69.5	0.6
90°-100°	158.5	1.5
100°-110°	462.2	4.3
110°-120°	754.2	7.0
120°-130°	957.1	8.9
130°-140°	1024.1	9.5
140°-150°	956.3	8.9
150°-160°	786.9	7.3
160°-170°	527.7	4.9
170°-180°	187.4	1.7
0°-30°	1143.9	10.6
0°-40°	2018.6	18.7
0°-60°	3883.7	36.0
0°-90°	4969.5	46.1
90°-120°	1374.9	12.7
90°-150°	4312.4	40.0
90°-180°	5814.0	53.9
0°-180°	10784.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	502	502	502	502	502	
5°	488	886	488	886	488	45
15°	401	1925	401	1925	401	112
25°	295	1922	295	1922	295	135
35°	210	1891	210	1891	210	132
45°	152	1816	152	1816	152	118
55°	114	1512	114	1512	114	102
65°	89	1077	89	1077	89	88
75°	63	275	63	275	63	64
85°	22	36	22	36	22	23
90°	6	44	6	86	6	6
95°	62	46	62	272	62	75
105°	294	471	294	648	294	312
115°	563	780	563	962	563	555
125°	833	1237	833	1179	833	745
135°	1132	1619	1132	1306	1132	875
145°	1446	1867	1446	1334	1446	905
155°	1718	2028	1718	1384	1718	790
165°	1899	2114	1899	1593	1899	535
175°	1985	2070	1985	1869	1985	188
180°	1991	1991	1991	1991	1991	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	502.3	502.3	502.3	502.3	502.3	502.3	502.3	502.3	502.3	502.3	502.3
2.5°	498.5	507.9	517.4	527.4	537.8	548.9	560.9	571.2	576.4	581.5	576.4
5°	487.8	520.0	552.2	598.9	650.5	709.0	774.4	830.5	858.4	886.3	858.4
7.5°	469.0	534.5	600.0	738.7	901.8	1071.2	1246.8	1392.5	1448.3	1504.1	1448.3
10°	451.6	542.9	634.1	869.4	1152.8	1370.7	1523.1	1644.9	1675.0	1705.0	1675.0
12.5°	432.3	556.2	680.0	970.5	1316.6	1543.1	1650.0	1737.9	1768.8	1799.7	1768.8
15°	400.9	578.0	755.1	1083.6	1462.4	1695.4	1782.3	1856.1	1890.5	1924.8	1890.5
17.5°	368.5	604.2	840.0	1175.0	1543.2	1770.3	1856.4	1925.6	1944.3	1963.0	1944.3
20°	345.4	622.3	899.2	1234.9	1590.2	1804.9	1878.9	1937.4	1949.2	1961.0	1949.2
22.5°	324.1	633.7	943.2	1279.3	1624.3	1824.8	1880.8	1926.0	1938.7	1951.4	1938.7
25°	294.6	643.5	992.3	1327.5	1658.1	1841.1	1876.5	1905.2	1913.8	1922.4	1913.8
27.5°	266.1	634.7	1003.3	1334.2	1652.6	1823.4	1846.6	1866.0	1874.4	1882.8	1874.4
30°	248.8	623.4	998.0	1325.9	1638.2	1803.0	1820.1	1836.0	1847.8	1859.6	1847.8
32.5°	233.3	609.6	985.9	1309.8	1616.1	1777.4	1793.7	1812.4	1837.9	1863.5	1837.9
35°	210.1	580.4	950.7	1271.1	1574.9	1739.6	1765.4	1796.5	1843.8	1891.0	1843.8
37.5°	190.3	543.0	895.7	1212.8	1518.1	1697.7	1751.6	1803.3	1848.9	1894.4	1848.9
40°	178.7	516.8	854.9	1169.7	1476.7	1666.1	1738.0	1801.6	1840.3	1878.9	1840.3
42.5°	167.1	487.2	807.3	1119.5	1429.0	1625.8	1709.7	1782.3	1821.0	1859.6	1821.0
45°	152.1	439.8	727.5	1036.9	1353.5	1561.2	1659.9	1743.1	1779.6	1816.1	1779.6
47.5°	138.1	388.0	637.9	948.6	1279.7	1497.5	1602.3	1687.5	1714.2	1740.8	1714.2
50°	130.4	353.7	576.9	888.7	1230.1	1452.3	1555.3	1637.9	1659.4	1680.9	1659.4
52.5°	122.7	320.2	517.7	830.1	1180.9	1404.8	1501.8	1579.6	1599.3	1619.1	1599.3
55°	113.5	274.5	435.5	744.6	1103.1	1324.8	1409.6	1477.5	1494.7	1511.8	1494.7
57.5°	105.3	235.2	365.0	664.5	1020.4	1234.5	1306.9	1364.6	1378.6	1392.5	1378.6
60°	101.4	214.1	326.8	614.2	959.9	1165.4	1230.9	1283.5	1297.4	1311.4	1297.4
62.5°	95.6	193.7	291.8	564.0	894.2	1089.4	1149.7	1198.2	1211.3	1224.4	1211.3
65°	89.4	168.8	248.2	493.5	794.0	969.5	1020.0	1059.9	1068.5	1077.1	1068.5
67.5°	80.7	148.1	215.5	428.9	691.0	837.8	869.1	888.6	872.5	856.4	872.5
70°	74.9	137.1	199.4	389.6	622.5	744.4	755.1	751.6	705.5	659.3	705.5
72.5°	71.0	126.4	181.8	346.5	547.6	636.4	612.8	573.2	485.9	398.5	485.9
75°	62.8	107.9	153.0	276.9	427.2	450.8	347.8	271.0	273.2	275.3	273.2
77.5°	51.2	84.9	118.6	194.8	285.2	303.1	248.6	208.2	210.1	212.0	210.1
80°	43.5	70.3	97.1	127.2	158.3	172.8	170.7	169.3	170.4	171.5	170.4
82.5°	35.7	55.7	75.7	93.7	111.1	120.9	123.0	124.2	122.7	121.2	122.7
85°	21.7	33.5	45.3	52.3	57.7	56.1	47.5	40.5	38.4	36.2	38.4
87.5°	8.9	14.8	21.1	21.2	19.0	17.7	17.7	18.1	18.5	18.5	18.5
90°	6.0	14.1	24.1	32.2	38.2	40.2	40.2	42.2	44.3	44.3	44.3
92.5°	22.1	35.0	35.4	35.4	43.0	46.7	49.9	50.3	52.3	52.3	52.3
95°	62.4	68.4	102.6	100.6	68.4	54.3	46.3	46.3	46.3	46.3	46.3
97.5°	119.1	127.9	133.6	179.0	189.1	182.6	148.8	125.1	111.8	105.8	111.8
100°	169.0	173.0	185.1	187.1	237.4	285.6	261.5	231.3	221.3	215.2	221.3
102.5°	218.8	221.3	239.8	248.2	259.9	287.2	370.9	361.7	354.8	353.6	354.8
105°	293.7	295.7	329.9	346.0	354.0	354.0	352.0	392.2	456.6	470.7	456.6
107.5°	373.7	383.0	423.2	466.3	475.5	477.9	467.5	461.4	459.0	460.6	459.0
110°	428.4	442.5	490.8	545.1	559.2	563.2	559.2	553.2	549.1	549.1	549.1



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	481.5	502.1	556.8	619.1	642.9	654.9	646.1	641.7	637.6	640.9	637.6
115°	563.2	593.4	665.8	730.2	778.4	784.5	782.5	782.5	780.5	780.5	780.5
117.5°	638.8	687.1	768.4	843.2	899.1	915.2	923.3	920.9	918.4	922.5	918.4
120°	692.0	748.3	840.8	925.3	979.6	1003.7	1011.8	1007.8	1011.8	1007.8	1011.8
122.5°	748.3	817.5	908.4	996.1	1060.1	1087.4	1097.1	1097.9	1098.7	1096.3	1098.7
125°	832.8	917.2	1023.8	1114.4	1180.7	1212.9	1221.0	1223.0	1227.0	1237.1	1227.0
127.5°	918.0	1013.8	1130.9	1218.2	1286.1	1325.2	1337.6	1342.1	1350.5	1354.9	1350.5
130°	977.6	1086.2	1204.9	1287.3	1353.7	1396.0	1418.1	1424.1	1434.2	1432.2	1434.2
132.5°	1040.3	1153.8	1274.1	1359.8	1421.3	1466.8	1485.7	1503.0	1506.6	1509.4	1506.6
135°	1132.5	1255.2	1375.9	1460.3	1518.7	1562.9	1587.1	1603.2	1613.2	1619.2	1613.2
137.5°	1229.4	1359.0	1474.8	1550.0	1608.8	1647.0	1674.4	1691.3	1701.7	1706.5	1701.7
140°	1295.4	1420.1	1532.8	1611.2	1663.5	1701.7	1725.9	1746.0	1758.0	1758.0	1758.0
142.5°	1358.2	1481.3	1590.7	1669.1	1715.0	1750.0	1775.7	1791.0	1804.7	1804.7	1804.7
145°	1446.3	1569.0	1669.5	1748.0	1786.2	1818.4	1846.5	1858.6	1866.7	1866.7	1866.7
147.5°	1538.4	1647.0	1738.7	1814.0	1846.1	1884.0	1906.1	1915.7	1925.8	1921.4	1925.8
150°	1593.1	1693.7	1782.2	1852.6	1884.8	1921.0	1943.1	1951.1	1961.2	1955.2	1961.2
152.5°	1646.2	1741.9	1822.4	1888.0	1915.3	1951.5	1976.9	1984.9	1991.8	1987.3	1991.8
155°	1717.8	1802.3	1876.7	1937.1	1961.2	1995.4	2019.5	2029.6	2037.6	2027.6	2037.6
157.5°	1781.8	1854.6	1919.4	1974.9	2000.6	2030.0	2052.5	2065.0	2073.0	2068.6	2073.0
160°	1820.4	1886.8	1945.1	1997.4	2021.5	2047.7	2071.8	2085.9	2094.0	2087.9	2094.0
162.5°	1852.6	1912.5	1967.6	2015.1	2036.0	2059.0	2087.9	2100.4	2108.4	2100.8	2108.4
165°	1898.8	1947.1	1995.4	2035.6	2053.7	2071.8	2102.0	2116.1	2122.1	2114.1	2122.1
167.5°	1933.8	1970.9	2009.9	2044.5	2057.7	2075.4	2105.6	2117.3	2124.9	2114.9	2124.9
170°	1953.2	1985.3	2019.5	2047.7	2057.7	2073.8	2104.0	2114.1	2120.1	2110.0	2120.1
172.5°	1969.2	1993.4	2021.1	2046.1	2051.3	2064.2	2092.7	2102.8	2107.2	2098.8	2107.2
175°	1985.3	1999.4	2019.5	2035.6	2033.6	2041.7	2065.8	2073.8	2081.9	2069.8	2081.9
177.5°	1993.0	1999.4	2005.9	2015.5	2009.1	2009.1	2026.8	2031.6	2033.2	2026.8	2033.2
180°	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	502.3	502.3	502.3	502.3	502.3	502.3	502.3	502.3	502.3	502.3	502.3
2.5°	571.2	560.9	548.9	537.8	527.4	517.4	507.9	498.5	507.9	517.4	527.4
5°	830.5	774.4	709.0	650.5	598.9	552.2	520.0	487.8	520.0	552.2	598.9
7.5°	1392.5	1246.8	1071.2	901.8	738.7	600.0	534.5	469.0	534.5	600.0	738.7
10°	1644.9	1523.1	1370.7	1152.8	869.4	634.1	542.9	451.6	542.9	634.1	869.4
12.5°	1737.9	1650.0	1543.1	1316.6	970.5	680.0	556.2	432.3	556.2	680.0	970.5
15°	1856.1	1782.3	1695.4	1462.4	1083.6	755.1	578.0	400.9	578.0	755.1	1083.6
17.5°	1925.6	1856.4	1770.3	1543.2	1175.0	840.0	604.2	368.5	604.2	840.0	1175.0
20°	1937.4	1878.9	1804.9	1590.2	1234.9	899.2	622.3	345.4	622.3	899.2	1234.9
22.5°	1926.0	1880.8	1824.8	1624.3	1279.3	943.2	633.7	324.1	633.7	943.2	1279.3
25°	1905.2	1876.5	1841.1	1658.1	1327.5	992.3	643.5	294.6	643.5	992.3	1327.5
27.5°	1866.0	1846.6	1823.4	1652.6	1334.2	1003.3	634.7	266.1	634.7	1003.3	1334.2
30°	1836.0	1820.1	1803.0	1638.2	1325.9	998.0	623.4	248.8	623.4	998.0	1325.9
32.5°	1812.4	1793.7	1777.4	1616.1	1309.8	985.9	609.6	233.3	609.6	985.9	1309.8
35°	1796.5	1765.4	1739.6	1574.9	1271.1	950.7	580.4	210.1	580.4	950.7	1271.1
37.5°	1803.3	1751.6	1697.7	1518.1	1212.8	895.7	543.0	190.3	543.0	895.7	1212.8
40°	1801.6	1738.0	1666.1	1476.7	1169.7	854.9	516.8	178.7	516.8	854.9	1169.7
42.5°	1782.3	1709.7	1625.8	1429.0	1119.5	807.3	487.2	167.1	487.2	807.3	1119.5
45°	1743.1	1659.9	1561.2	1353.5	1036.9	727.5	439.8	152.1	439.8	727.5	1036.9
47.5°	1687.5	1602.3	1497.5	1279.7	948.6	637.9	388.0	138.1	388.0	637.9	948.6
50°	1637.9	1555.3	1452.3	1230.1	888.7	576.9	353.7	130.4	353.7	576.9	888.7
52.5°	1579.6	1501.8	1404.8	1180.9	830.1	517.7	320.2	122.7	320.2	517.7	830.1
55°	1477.5	1409.6	1324.8	1103.1	744.6	435.5	274.5	113.5	274.5	435.5	744.6
57.5°	1364.6	1306.9	1234.5	1020.4	664.5	365.0	235.2	105.3	235.2	365.0	664.5
60°	1283.5	1230.9	1165.4	959.9	614.2	326.8	214.1	101.4	214.1	326.8	614.2
62.5°	1198.2	1149.7	1089.4	894.2	564.0	291.8	193.7	95.6	193.7	291.8	564.0
65°	1059.9	1020.0	969.5	794.0	493.5	248.2	168.8	89.4	168.8	248.2	493.5
67.5°	888.6	869.1	837.8	691.0	428.9	215.5	148.1	80.7	148.1	215.5	428.9
70°	751.6	755.1	744.4	622.5	389.6	199.4	137.1	74.9	137.1	199.4	389.6
72.5°	573.2	612.8	636.4	547.6	346.5	181.8	126.4	71.0	126.4	181.8	346.5
75°	271.0	347.8	450.8	427.2	276.9	153.0	107.9	62.8	107.9	153.0	276.9
77.5°	208.2	248.6	303.1	285.2	194.8	118.6	84.9	51.2	84.9	118.6	194.8
80°	169.3	170.7	172.8	158.3	127.2	97.1	70.3	43.5	70.3	97.1	127.2
82.5°	124.2	123.0	120.9	111.1	93.7	75.7	55.7	35.7	55.7	75.7	93.7
85°	40.5	47.5	56.1	57.7	52.3	45.3	33.5	21.7	33.5	45.3	52.3
87.5°	18.1	17.7	17.7	19.0	21.2	21.1	14.8	8.9	14.8	20.7	22.1
90°	42.2	40.2	40.2	38.2	32.2	24.1	14.1	6.0	14.1	22.1	36.2
92.5°	50.3	49.9	46.7	43.0	35.4	35.4	35.0	22.1	38.2	54.3	78.0
95°	46.3	46.3	54.3	68.4	100.6	102.6	68.4	62.4	88.5	124.7	156.9
97.5°	125.1	148.8	182.6	189.1	179.0	133.6	127.9	119.1	162.1	197.9	249.8
100°	231.3	261.5	285.6	237.4	187.1	185.1	173.0	169.0	215.2	249.4	299.7
102.5°	361.7	370.9	287.2	259.9	248.2	239.8	221.3	218.8	265.1	312.2	354.4
105°	392.2	352.0	354.0	354.0	346.0	329.9	295.7	293.7	346.0	400.3	452.6
107.5°	461.4	467.5	477.9	475.5	466.3	423.2	383.0	373.7	420.8	486.0	543.5
110°	553.2	559.2	563.2	559.2	545.1	490.8	442.5	428.4	470.7	539.1	601.4



TEST NUMBER: P1436049

CATALOG NUMBER: SQ2W-FB-K-150U-125D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	641.7	646.1	654.9	642.9	619.1	556.8	502.1	481.5	523.8	593.8	657.8
115°	782.5	782.5	784.5	778.4	730.2	665.8	593.4	563.2	599.4	663.8	734.2
117.5°	920.9	923.3	915.2	899.1	843.2	768.4	687.1	638.8	667.4	735.4	807.8
120°	1007.8	1011.8	1003.7	979.6	925.3	840.8	748.3	692.0	714.1	780.5	852.9
122.5°	1097.9	1097.1	1087.4	1060.1	996.1	908.4	817.5	748.3	757.5	819.1	889.9
125°	1223.0	1221.0	1212.9	1180.7	1114.4	1023.8	917.2	832.8	820.7	873.0	945.4
127.5°	1342.1	1337.6	1325.2	1286.1	1218.2	1130.9	1013.8	918.0	891.1	924.1	990.5
130°	1424.1	1418.1	1396.0	1353.7	1287.3	1204.9	1086.2	977.6	939.4	959.5	1017.8
132.5°	1503.0	1485.7	1466.8	1421.3	1359.8	1274.1	1153.8	1040.3	987.6	996.5	1041.9
135°	1603.2	1587.1	1562.9	1518.7	1460.3	1375.9	1255.2	1132.5	1060.1	1052.0	1078.2
137.5°	1691.3	1674.4	1647.0	1608.8	1550.0	1474.8	1359.0	1229.4	1138.1	1111.1	1121.2
140°	1746.0	1725.9	1701.7	1663.5	1611.2	1532.8	1420.1	1295.4	1192.8	1154.6	1148.6
142.5°	1791.0	1775.7	1750.0	1715.0	1669.1	1590.7	1481.3	1358.2	1249.1	1199.6	1185.6
145°	1858.6	1846.5	1818.4	1786.2	1748.0	1669.5	1569.0	1446.3	1337.6	1273.3	1243.1
147.5°	1915.7	1906.1	1884.0	1846.1	1814.0	1738.7	1647.0	1538.4	1426.9	1347.3	1308.3
150°	1951.1	1943.1	1921.0	1884.8	1852.6	1782.2	1693.7	1593.1	1486.5	1402.0	1351.7
152.5°	1984.9	1976.9	1951.5	1915.3	1888.0	1822.4	1741.9	1646.2	1538.0	1453.5	1401.6
155°	2029.6	2019.5	1995.4	1961.2	1937.1	1876.7	1802.3	1717.8	1625.3	1536.8	1478.4
157.5°	2065.0	2052.5	2030.0	2000.6	1974.9	1919.4	1854.6	1781.8	1700.9	1616.4	1556.9
160°	2085.9	2071.8	2047.7	2021.5	1997.4	1945.1	1886.8	1820.4	1746.0	1669.5	1605.2
162.5°	2100.4	2087.9	2059.0	2036.0	2015.1	1967.6	1912.5	1852.6	1786.2	1719.4	1659.9
165°	2116.1	2102.0	2071.8	2053.7	2035.6	1995.4	1947.1	1898.8	1842.5	1788.2	1739.9
167.5°	2117.3	2105.6	2075.4	2057.7	2044.5	2009.9	1970.9	1933.8	1890.0	1847.3	1807.1
170°	2114.1	2104.0	2073.8	2057.7	2047.7	2019.5	1985.3	1953.2	1919.0	1882.7	1850.6
172.5°	2102.8	2092.7	2064.2	2051.3	2046.1	2021.1	1993.4	1969.2	1939.9	1913.3	1887.6
175°	2073.8	2065.8	2041.7	2033.6	2035.6	2019.5	1999.4	1985.3	1967.2	1951.1	1937.1
177.5°	2031.6	2026.8	2009.1	2009.1	2015.5	2005.9	1999.4	1993.0	1984.9	1980.1	1975.3
180°	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4



TEST NUMBER: P1436049

CATALOG NUMBER: SQ2W-FB-K-150U-125D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	502.3	502.3	502.3	502.3	502.3	502.3	502.3	502.3	502.3	502.3	502.3
2.5°	537.8	548.9	560.9	571.2	576.4	581.5	576.4	571.2	560.9	548.9	537.8
5°	650.5	709.0	774.4	830.5	858.4	886.3	858.4	830.5	774.4	709.0	650.5
7.5°	901.8	1071.2	1246.8	1392.5	1448.3	1504.1	1448.3	1392.5	1246.8	1071.2	901.8
10°	1152.8	1370.7	1523.1	1644.9	1675.0	1705.0	1675.0	1644.9	1523.1	1370.7	1152.8
12.5°	1316.6	1543.1	1650.0	1737.9	1768.8	1799.7	1768.8	1737.9	1650.0	1543.1	1316.6
15°	1462.4	1695.4	1782.3	1856.1	1890.5	1924.8	1890.5	1856.1	1782.3	1695.4	1462.4
17.5°	1543.2	1770.3	1856.4	1925.6	1944.3	1963.0	1944.3	1925.6	1856.4	1770.3	1543.2
20°	1590.2	1804.9	1878.9	1937.4	1949.2	1961.0	1949.2	1937.4	1878.9	1804.9	1590.2
22.5°	1624.3	1824.8	1880.8	1926.0	1938.7	1951.4	1938.7	1926.0	1880.8	1824.8	1624.3
25°	1658.1	1841.1	1876.5	1905.2	1913.8	1922.4	1913.8	1905.2	1876.5	1841.1	1658.1
27.5°	1652.6	1823.4	1846.6	1866.0	1874.4	1882.8	1874.4	1866.0	1846.6	1823.4	1652.6
30°	1638.2	1803.0	1820.1	1836.0	1847.8	1859.6	1847.8	1836.0	1820.1	1803.0	1638.2
32.5°	1616.1	1777.4	1793.7	1812.4	1837.9	1863.5	1837.9	1812.4	1793.7	1777.4	1616.1
35°	1574.9	1739.6	1765.4	1796.5	1843.8	1891.0	1843.8	1796.5	1765.4	1739.6	1574.9
37.5°	1518.1	1697.7	1751.6	1803.3	1848.9	1894.4	1848.9	1803.3	1751.6	1697.7	1518.1
40°	1476.7	1666.1	1738.0	1801.6	1840.3	1878.9	1840.3	1801.6	1738.0	1666.1	1476.7
42.5°	1429.0	1625.8	1709.7	1782.3	1821.0	1859.6	1821.0	1782.3	1709.7	1625.8	1429.0
45°	1353.5	1561.2	1659.9	1743.1	1779.6	1816.1	1779.6	1743.1	1659.9	1561.2	1353.5
47.5°	1279.7	1497.5	1602.3	1687.5	1714.2	1740.8	1714.2	1687.5	1602.3	1497.5	1279.7
50°	1230.1	1452.3	1555.3	1637.9	1659.4	1680.9	1659.4	1637.9	1555.3	1452.3	1230.1
52.5°	1180.9	1404.8	1501.8	1579.6	1599.3	1619.1	1599.3	1579.6	1501.8	1404.8	1180.9
55°	1103.1	1324.8	1409.6	1477.5	1494.7	1511.8	1494.7	1477.5	1409.6	1324.8	1103.1
57.5°	1020.4	1234.5	1306.9	1364.6	1378.6	1392.5	1378.6	1364.6	1306.9	1234.5	1020.4
60°	959.9	1165.4	1230.9	1283.5	1297.4	1311.4	1297.4	1283.5	1230.9	1165.4	959.9
62.5°	894.2	1089.4	1149.7	1198.2	1211.3	1224.4	1211.3	1198.2	1149.7	1089.4	894.2
65°	794.0	969.5	1020.0	1059.9	1068.5	1077.1	1068.5	1059.9	1020.0	969.5	794.0
67.5°	691.0	837.8	869.1	888.6	872.5	856.4	872.5	888.6	869.1	837.8	691.0
70°	622.5	744.4	755.1	751.6	705.5	659.3	705.5	751.6	755.1	744.4	622.5
72.5°	547.6	636.4	612.8	573.2	485.9	398.5	485.9	573.2	612.8	636.4	547.6
75°	427.2	450.8	347.8	271.0	273.2	275.3	273.2	271.0	347.8	450.8	427.2
77.5°	285.2	303.1	248.6	208.2	210.1	212.0	210.1	208.2	248.6	303.1	285.2
80°	158.3	172.8	170.7	169.3	170.4	171.5	170.4	169.3	170.7	172.8	158.3
82.5°	111.1	120.9	123.0	124.2	122.7	121.2	122.7	124.2	123.0	120.9	111.1
85°	57.7	56.1	47.5	40.5	38.4	36.2	38.4	40.5	47.5	56.1	57.7
87.5°	20.6	21.7	24.5	26.2	27.8	27.0	27.8	26.2	24.5	21.7	20.6
90°	46.3	60.3	74.4	82.5	90.5	86.5	90.5	82.5	74.4	60.3	46.3
92.5°	92.9	116.7	134.0	148.4	154.9	154.1	154.9	148.4	134.0	116.7	92.9
95°	187.1	215.2	243.4	263.5	275.6	271.6	275.6	263.5	243.4	215.2	187.1
97.5°	288.4	326.3	357.6	376.5	388.6	396.7	388.6	376.5	357.6	326.3	288.4
100°	356.0	392.2	428.4	450.6	470.7	478.7	470.7	450.6	428.4	392.2	356.0
102.5°	410.7	458.2	497.6	521.4	538.3	546.3	538.3	521.4	497.6	458.2	410.7
105°	500.9	551.1	593.4	623.6	641.7	647.7	641.7	623.6	593.4	551.1	500.9
107.5°	591.0	642.9	681.9	715.3	737.4	750.3	737.4	715.3	681.9	642.9	591.0
110°	661.8	704.0	746.3	776.4	798.6	806.6	798.6	776.4	746.3	704.0	661.8



TEST NUMBER: P1436049

CATALOG NUMBER: SQ2W-FB-K-150U-125D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	721.3	768.4	810.6	840.8	866.1	877.4	866.1	840.8	810.6	768.4	721.3
115°	804.6	866.9	905.2	933.3	951.4	961.5	951.4	933.3	905.2	866.9	804.6
117.5°	873.8	939.0	980.8	1002.5	1011.0	1018.2	1011.0	1002.5	980.8	939.0	873.8
120°	917.2	977.6	1025.9	1054.0	1064.1	1068.1	1064.1	1054.0	1025.9	977.6	917.2
122.5°	957.5	1014.6	1061.3	1095.9	1112.4	1116.4	1112.4	1095.9	1061.3	1014.6	957.5
125°	1013.8	1068.1	1116.4	1150.6	1168.7	1178.7	1168.7	1150.6	1116.4	1068.1	1013.8
127.5°	1062.9	1121.6	1165.9	1196.8	1214.5	1222.6	1214.5	1196.8	1165.9	1121.6	1062.9
130°	1090.2	1150.6	1194.8	1229.0	1245.1	1253.2	1245.1	1229.0	1194.8	1150.6	1090.2
132.5°	1111.1	1174.7	1220.6	1251.5	1269.2	1277.3	1269.2	1251.5	1220.6	1174.7	1111.1
135°	1136.5	1202.9	1251.1	1281.3	1297.4	1305.5	1297.4	1281.3	1251.1	1202.9	1136.5
137.5°	1158.6	1219.0	1269.2	1301.0	1315.5	1320.7	1315.5	1301.0	1269.2	1219.0	1158.6
140°	1174.7	1227.0	1277.3	1307.5	1323.6	1325.6	1323.6	1307.5	1277.3	1227.0	1174.7
142.5°	1195.6	1236.7	1280.5	1310.7	1326.8	1330.4	1326.8	1310.7	1280.5	1236.7	1195.6
145°	1233.0	1257.2	1287.3	1315.5	1329.6	1333.6	1329.6	1315.5	1287.3	1257.2	1233.0
147.5°	1280.1	1287.8	1303.4	1321.9	1335.6	1338.4	1335.6	1321.9	1303.4	1287.8	1280.1
150°	1315.5	1313.5	1319.5	1331.6	1343.7	1341.7	1343.7	1331.6	1319.5	1313.5	1315.5
152.5°	1355.7	1344.1	1343.7	1349.3	1354.9	1354.5	1354.9	1349.3	1343.7	1344.1	1355.7
155°	1424.1	1402.0	1389.9	1385.9	1385.9	1383.9	1385.9	1385.9	1389.9	1402.0	1424.1
157.5°	1499.4	1468.4	1450.3	1440.6	1437.8	1433.4	1437.8	1440.6	1450.3	1468.4	1499.4
160°	1550.9	1516.7	1498.6	1482.5	1476.4	1470.4	1476.4	1482.5	1498.6	1516.7	1550.9
162.5°	1599.1	1566.5	1546.8	1532.3	1526.3	1517.1	1526.3	1532.3	1546.8	1566.5	1599.1
165°	1677.6	1643.4	1621.3	1609.2	1601.1	1593.1	1601.1	1609.2	1621.3	1643.4	1677.6
167.5°	1756.0	1718.6	1704.1	1690.5	1682.8	1668.3	1682.8	1690.5	1704.1	1718.6	1756.0
170°	1804.3	1770.1	1762.1	1750.0	1735.9	1719.8	1735.9	1750.0	1762.1	1770.1	1804.3
172.5°	1846.1	1823.2	1815.2	1803.1	1798.7	1785.8	1798.7	1803.1	1815.2	1823.2	1846.1
175°	1906.9	1888.8	1888.8	1886.8	1880.7	1868.7	1880.7	1886.8	1888.8	1888.8	1906.9
177.5°	1957.6	1947.9	1954.4	1954.4	1952.7	1941.5	1952.7	1954.4	1954.4	1947.9	1957.6
180°	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4



TEST NUMBER: P1436049

CATALOG NUMBER: SQ2W-FB-K-150U-125D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	502.3	502.3	502.3	502.3
2.5°	527.4	517.4	507.9	498.5
5°	598.9	552.2	520.0	487.8
7.5°	738.7	600.0	534.5	469.0
10°	869.4	634.1	542.9	451.6
12.5°	970.5	680.0	556.2	432.3
15°	1083.6	755.1	578.0	400.9
17.5°	1175.0	840.0	604.2	368.5
20°	1234.9	899.2	622.3	345.4
22.5°	1279.3	943.2	633.7	324.1
25°	1327.5	992.3	643.5	294.6
27.5°	1334.2	1003.3	634.7	266.1
30°	1325.9	998.0	623.4	248.8
32.5°	1309.8	985.9	609.6	233.3
35°	1271.1	950.7	580.4	210.1
37.5°	1212.8	895.7	543.0	190.3
40°	1169.7	854.9	516.8	178.7
42.5°	1119.5	807.3	487.2	167.1
45°	1036.9	727.5	439.8	152.1
47.5°	948.6	637.9	388.0	138.1
50°	888.7	576.9	353.7	130.4
52.5°	830.1	517.7	320.2	122.7
55°	744.6	435.5	274.5	113.5
57.5°	664.5	365.0	235.2	105.3
60°	614.2	326.8	214.1	101.4
62.5°	564.0	291.8	193.7	95.6
65°	493.5	248.2	168.8	89.4
67.5°	428.9	215.5	148.1	80.7
70°	389.6	199.4	137.1	74.9
72.5°	346.5	181.8	126.4	71.0
75°	276.9	153.0	107.9	62.8
77.5°	194.8	118.6	84.9	51.2
80°	127.2	97.1	70.3	43.5
82.5°	93.7	75.7	55.7	35.7
85°	52.3	45.3	33.5	21.7
87.5°	22.1	20.7	14.8	8.9
90°	36.2	22.1	14.1	6.0
92.5°	78.0	54.3	38.2	22.1
95°	156.9	124.7	88.5	62.4
97.5°	249.8	197.9	162.1	119.1
100°	299.7	249.4	215.2	169.0
102.5°	354.4	312.2	265.1	218.8
105°	452.6	400.3	346.0	293.7
107.5°	543.5	486.0	420.8	373.7
110°	601.4	539.1	470.7	428.4



TEST NUMBER: P1436049

CATALOG NUMBER: SQ2W-FB-K-150U-125D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	657.8	593.8	523.8	481.5
115°	734.2	663.8	599.4	563.2
117.5°	807.8	735.4	667.4	638.8
120°	852.9	780.5	714.1	692.0
122.5°	889.9	819.1	757.5	748.3
125°	945.4	873.0	820.7	832.8
127.5°	990.5	924.1	891.1	918.0
130°	1017.8	959.5	939.4	977.6
132.5°	1041.9	996.5	987.6	1040.3
135°	1078.2	1052.0	1060.1	1132.5
137.5°	1121.2	1111.1	1138.1	1229.4
140°	1148.6	1154.6	1192.8	1295.4
142.5°	1185.6	1199.6	1249.1	1358.2
145°	1243.1	1273.3	1337.6	1446.3
147.5°	1308.3	1347.3	1426.9	1538.4
150°	1351.7	1402.0	1486.5	1593.1
152.5°	1401.6	1453.5	1538.0	1646.2
155°	1478.4	1536.8	1625.3	1717.8
157.5°	1556.9	1616.4	1700.9	1781.8
160°	1605.2	1669.5	1746.0	1820.4
162.5°	1659.9	1719.4	1786.2	1852.6
165°	1739.9	1788.2	1842.5	1898.8
167.5°	1807.1	1847.3	1890.0	1933.8
170°	1850.6	1882.7	1919.0	1953.2
172.5°	1887.6	1913.3	1939.9	1969.2
175°	1937.1	1951.1	1967.2	1985.3
177.5°	1975.3	1980.1	1984.9	1993.0
180°	1991.4	1991.4	1991.4	1991.4



TEST NUMBER: P1436049
 CATALOG NUMBER: SQ2W-FB-K-150U-125D-L935-UNV-STD-W-WM-4

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	13.07	13.93	14.06	14.93	16.25	22.67	23.52	23.66	24.52	25.85
	3H	14.01	14.78	15.01	15.79	17.13	24.28	25.04	25.27	26.05	27.40
	4H	14.41	15.13	15.42	16.15	17.50	24.45	25.18	25.46	26.19	27.54
	6H	14.66	15.33	15.68	16.35	17.71	24.53	25.19	25.55	26.21	27.58
	8H	14.76	15.39	15.78	16.43	17.79	24.55	25.18	25.57	26.22	27.58
	12H	14.80	15.41	15.84	16.44	17.82	24.52	25.13	25.55	26.15	27.54
4H	2H	17.79	18.52	18.81	19.53	20.88	23.04	23.76	24.05	24.77	26.13
	3H	18.92	19.52	19.95	20.57	21.93	24.92	25.53	25.95	26.57	27.93
	4H	19.20	19.75	20.23	20.79	22.18	25.14	25.70	26.18	26.73	28.12
	6H	19.34	19.81	20.38	20.87	22.25	25.28	25.75	26.32	26.81	28.19
	8H	19.38	19.82	20.42	20.87	22.27	25.32	25.76	26.36	26.81	28.21
	12H	19.38	19.78	20.44	20.84	22.25	25.30	25.70	26.36	26.77	28.17
8H	4H	20.39	20.84	21.44	21.89	23.29	25.23	25.68	26.28	26.73	28.13
	6H	20.65	21.02	21.72	22.11	23.51	25.43	25.80	26.50	26.89	28.29
	8H	20.75	21.07	21.83	22.15	23.56	25.52	25.84	26.60	26.92	28.34
	12H	20.79	21.07	21.87	22.14	23.60	25.53	25.81	26.61	26.88	28.34
12H	4H	20.42	20.82	21.48	21.88	23.29	25.19	25.59	26.25	26.65	28.06
	6H	20.76	21.08	21.83	22.16	23.57	25.41	25.74	26.49	26.81	28.23
	8H	20.90	21.18	21.98	22.25	23.71	25.51	25.79	26.59	26.87	28.32