

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: P1436017

Luminaire Tested: SQ2W-FB-K-125U-100D-L840-UNV-STD-W-WM-4

Issue Date: 3/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1436017
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-125U-100D-L840-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - FROSTED CONTINUOUS BATWING ROLL LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1000 LUMENS PER FOOT
UPLIGHT 1250 LUMENS PER FOOT
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

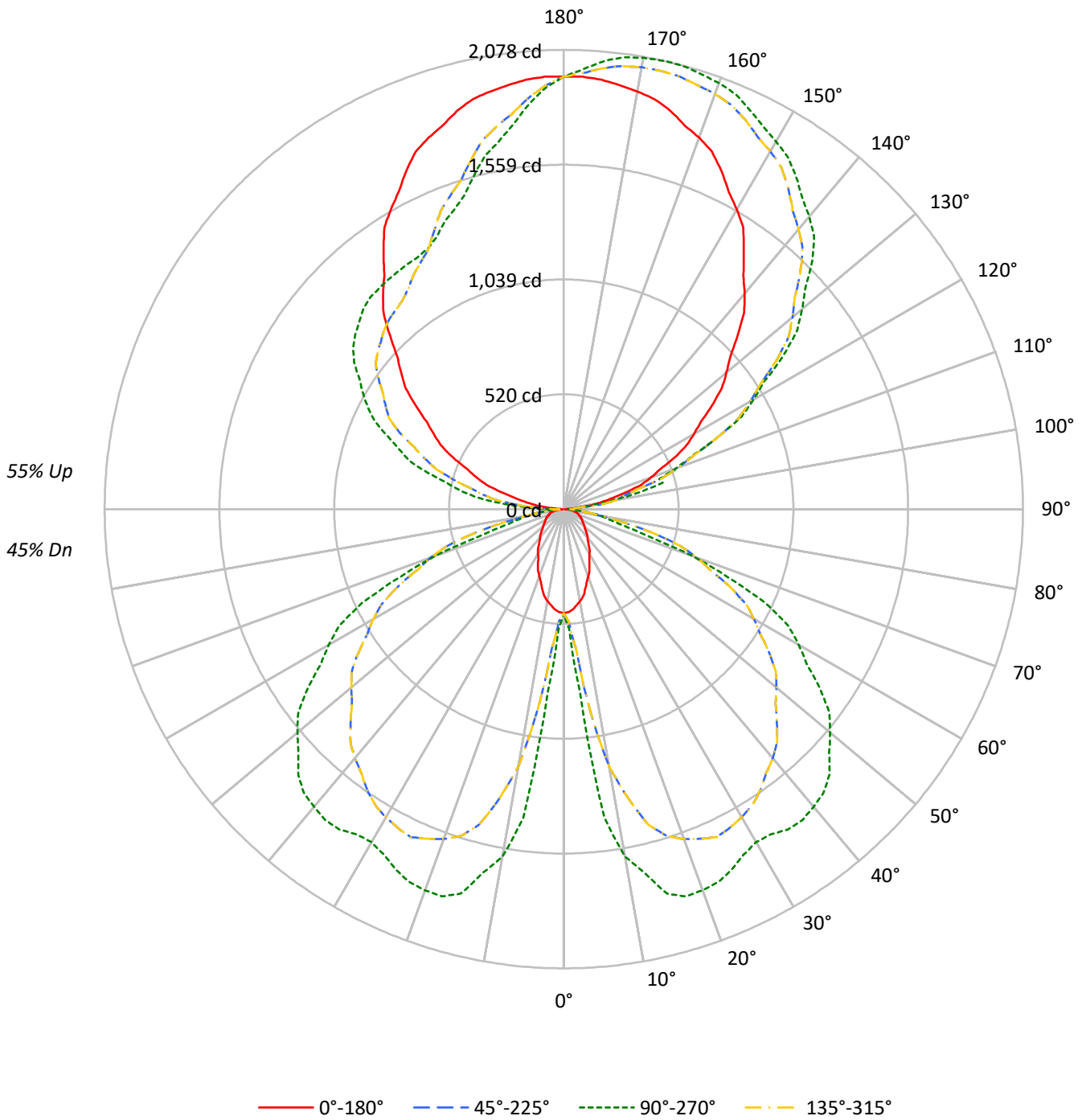
Lumens per Lamp: N/A
Luminaire Lumens: 10364.4 lumens
Efficiency: N/A
Efficacy: 127.0 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 2.98 / 2.52
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 81.6
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	80	80	80	65	65	65	51	51	51	45
1	96	92	88	85	88	84	81	78	70	68	66	57	56	54	45	44	43	37
2	88	80	74	69	80	73	68	64	61	57	54	50	47	45	39	37	36	31
3	80	70	62	57	73	64	58	53	54	49	45	44	40	37	34	32	30	26
4	72	62	53	47	66	57	50	44	47	42	38	39	35	31	30	28	25	21
5	66	54	46	40	60	50	43	37	42	36	32	34	30	27	27	24	22	18
6	61	49	40	34	55	45	37	32	37	32	28	31	26	23	24	21	19	16
7	56	44	36	30	51	40	33	28	34	28	24	28	23	20	22	19	16	14
8	52	39	31	26	47	36	29	24	31	25	21	25	21	18	20	17	14	12
9	48	36	28	23	44	33	26	22	28	22	19	23	19	16	18	15	13	11
10	45	33	25	20	41	30	24	19	25	20	17	21	17	14	17	14	12	10

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	7592	7592	7592	7592
5°	7400	13446	7400	13446
10°	6930	26163	6930	26163
15°	6272	30112	6272	30112
20°	5553	31535	5553	31535
25°	4913	32054	4913	32054
30°	4340	32449	4340	32449
35°	3877	34885	3877	34885
40°	3526	37065	3526	37065
45°	3251	38812	3251	38812
50°	3067	39516	3067	39516
55°	2989	39831	2989	39831
60°	3064	39634	3064	39634
65°	3194	38513	3194	38513
70°	3309	29131	3309	29131
75°	3668	16076	3668	16076
80°	3784	14923	3784	14923
85°	3761	6280	3761	6280

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 52.5°
 Luminance: 40191 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.8	0.8
10°-20°	359.4	3.5
20°-30°	632.5	6.1
30°-40°	818.7	7.9
40°-50°	902.9	8.7
50°-60°	842.7	8.1
60°-70°	651.1	6.3
70°-80°	300.1	2.9
80°-90°	65.5	0.6
90°-100°	155.7	1.5
100°-110°	454.1	4.4
110°-120°	741.1	7.2
120°-130°	940.4	9.1
130°-140°	1006.2	9.7
140°-150°	939.6	9.1
150°-160°	773.1	7.5
160°-170°	518.5	5.0
170°-180°	184.1	1.8
0°-30°	1070.6	10.3
0°-40°	1889.4	18.2
0°-60°	3635.0	35.1
0°-90°	4651.6	44.9
90°-120°	1350.9	13.0
90°-150°	4237.0	40.9
90°-180°	5713.0	55.1
0°-180°	10364.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	470	470	470	470	470	
5°	457	830	457	830	457	42
15°	375	1802	375	1802	375	105
25°	276	1799	276	1799	276	127
35°	197	1770	197	1770	197	124
45°	142	1700	142	1700	142	110
55°	106	1415	106	1415	106	96
65°	84	1008	84	1008	84	82
75°	59	258	59	258	59	60
85°	20	34	20	34	20	21
90°	6	44	6	85	6	6
95°	61	46	61	267	61	74
105°	288	462	288	636	288	307
115°	553	767	553	945	553	545
125°	818	1215	818	1158	818	732
135°	1113	1591	1113	1283	1113	860
145°	1421	1834	1421	1310	1421	889
155°	1688	1992	1688	1360	1688	776
165°	1866	2077	1866	1565	1866	525
175°	1951	2034	1951	1836	1951	185
180°	1956	1956	1956	1956	1956	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2
2.5°	466.5	475.4	484.2	493.7	503.3	513.8	525.0	534.7	539.5	544.3	539.5
5°	456.6	486.7	516.9	560.6	608.8	663.5	724.8	777.3	803.4	829.6	803.4
7.5°	439.0	500.2	561.5	691.4	844.1	1002.6	1167.0	1303.3	1355.5	1407.8	1355.5
10°	422.7	508.1	593.5	813.7	1079.0	1282.9	1425.5	1539.6	1567.7	1595.8	1567.7
12.5°	404.6	520.5	636.5	908.4	1232.3	1444.2	1544.3	1626.6	1655.5	1684.4	1655.5
15°	375.2	541.0	706.7	1014.2	1368.8	1586.8	1668.2	1737.2	1769.4	1801.5	1769.4
17.5°	344.9	565.5	786.2	1099.7	1444.3	1656.9	1737.5	1802.3	1819.7	1837.2	1819.7
20°	323.2	582.4	841.6	1155.8	1488.3	1689.3	1758.6	1813.3	1824.4	1835.4	1824.4
22.5°	303.3	593.1	882.8	1197.4	1520.3	1707.9	1760.4	1802.7	1814.5	1826.4	1814.5
25°	275.8	602.3	928.8	1242.5	1551.9	1723.2	1756.3	1783.2	1791.2	1799.3	1791.2
27.5°	249.1	594.1	939.1	1248.8	1546.7	1706.6	1728.3	1746.5	1754.3	1762.2	1754.3
30°	232.8	583.4	934.0	1240.9	1533.3	1687.5	1703.6	1718.4	1729.4	1740.5	1729.4
32.5°	218.4	570.6	922.8	1225.9	1512.6	1663.6	1678.9	1696.3	1720.2	1744.1	1720.2
35°	196.7	543.2	889.8	1189.7	1474.0	1628.2	1652.3	1681.5	1725.7	1769.9	1725.7
37.5°	178.1	508.2	838.3	1135.2	1420.9	1588.9	1639.4	1687.8	1730.4	1773.0	1730.4
40°	167.3	483.7	800.2	1094.8	1382.1	1559.4	1626.7	1686.2	1722.4	1758.6	1722.4
42.5°	156.4	456.0	755.6	1047.8	1337.5	1521.6	1600.2	1668.2	1704.3	1740.5	1704.3
45°	142.4	411.6	680.9	970.5	1266.8	1461.2	1553.6	1631.5	1665.6	1699.8	1665.6
47.5°	129.3	363.2	597.0	887.9	1197.7	1401.6	1499.7	1579.4	1604.4	1629.3	1604.4
50°	122.1	331.0	540.0	831.8	1151.3	1359.2	1455.7	1533.0	1553.1	1573.2	1553.1
52.5°	114.8	299.7	484.5	777.0	1105.3	1314.8	1405.6	1478.4	1496.9	1515.4	1496.9
55°	106.2	256.9	407.6	696.9	1032.5	1239.9	1319.3	1382.8	1398.9	1415.0	1398.9
57.5°	98.6	220.1	341.7	621.9	955.0	1155.5	1223.2	1277.2	1290.3	1303.3	1290.3
60°	94.9	200.4	305.9	574.9	898.4	1090.8	1152.0	1201.3	1214.3	1227.4	1214.3
62.5°	89.5	181.3	273.2	527.9	836.9	1019.6	1076.1	1121.5	1133.8	1146.0	1133.8
65°	83.6	158.0	232.3	461.9	743.2	907.4	954.6	992.1	1000.1	1008.1	1000.1
67.5°	75.5	138.6	201.7	401.4	646.8	784.1	813.4	831.7	816.6	801.5	816.6
70°	70.1	128.3	186.6	364.7	582.7	696.7	706.7	703.5	660.3	617.1	660.3
72.5°	66.5	118.3	170.1	324.3	512.6	595.6	573.5	536.5	454.7	373.0	454.7
75°	58.8	101.0	143.2	259.2	399.8	421.9	325.5	253.7	255.7	257.7	255.7
77.5°	47.9	79.5	111.0	182.3	266.9	283.7	232.7	194.8	196.7	198.5	196.7
80°	40.7	65.8	90.9	119.0	148.2	161.7	159.7	158.5	159.5	160.5	159.5
82.5°	33.5	52.1	70.8	87.7	104.0	113.1	115.1	116.3	114.9	113.5	114.9
85°	20.3	31.4	42.4	49.0	54.0	52.5	44.5	37.9	35.9	33.9	35.9
87.5°	8.4	14.0	20.0	20.2	18.2	16.9	16.9	17.3	17.7	17.7	17.7
90°	5.9	13.8	23.7	31.6	37.5	39.5	39.5	41.5	43.5	43.5	43.5
92.5°	21.7	34.4	34.8	34.8	42.3	45.9	49.0	49.4	51.4	51.4	51.4
95°	61.3	67.2	100.8	98.8	67.2	53.4	45.5	45.5	45.5	45.5	45.5
97.5°	117.0	125.7	131.2	175.9	185.8	179.4	146.2	122.9	109.9	104.0	109.9
100°	166.0	170.0	181.8	183.8	233.2	280.6	256.9	227.3	217.4	211.5	217.4
102.5°	215.0	217.4	235.6	243.9	255.3	282.2	364.4	355.3	348.6	347.4	348.6
105°	288.5	290.5	324.1	339.9	347.8	347.8	345.9	385.4	448.6	462.5	448.6
107.5°	367.2	376.3	415.8	458.1	467.2	469.6	459.3	453.4	451.0	452.6	451.0
110°	421.0	434.8	482.2	535.6	549.4	553.4	549.4	543.5	539.5	539.5	539.5



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	473.1	493.3	547.0	608.3	631.6	643.5	634.8	630.4	626.5	629.7	626.5
115°	553.4	583.0	654.2	717.4	764.8	770.8	768.8	768.8	766.8	766.8	766.8
117.5°	627.7	675.1	754.9	828.5	883.4	899.2	907.1	904.8	902.4	906.3	902.4
120°	679.8	735.2	826.1	909.1	962.5	986.2	994.1	990.1	994.1	990.1	994.1
122.5°	735.2	803.2	892.5	978.7	1041.5	1068.4	1077.9	1078.7	1079.5	1077.1	1079.5
125°	818.2	901.2	1005.9	1094.9	1160.1	1191.7	1199.6	1201.6	1205.5	1215.4	1205.5
127.5°	902.0	996.1	1111.1	1196.9	1263.7	1302.0	1314.2	1318.6	1326.9	1331.2	1326.9
130°	960.5	1067.2	1183.8	1264.8	1330.1	1371.6	1393.3	1399.2	1409.1	1407.1	1409.1
132.5°	1022.1	1133.6	1251.8	1336.0	1396.5	1441.1	1459.7	1476.7	1480.3	1483.0	1480.3
135°	1112.7	1233.2	1351.8	1434.8	1492.1	1535.6	1559.3	1575.1	1585.0	1590.9	1585.0
137.5°	1207.9	1335.2	1449.0	1522.9	1580.7	1618.2	1645.1	1661.7	1672.0	1676.7	1672.0
140°	1272.7	1395.3	1505.9	1583.0	1634.4	1672.0	1695.7	1715.4	1727.3	1727.3	1727.3
142.5°	1334.4	1455.4	1562.9	1639.9	1685.0	1719.4	1744.7	1759.7	1773.1	1773.1	1773.1
145°	1421.0	1541.5	1640.3	1717.4	1755.0	1786.6	1814.3	1826.1	1834.0	1834.0	1834.0
147.5°	1511.5	1618.2	1708.3	1782.2	1813.9	1851.0	1872.7	1882.2	1892.1	1887.8	1892.1
150°	1565.2	1664.1	1751.0	1820.2	1851.8	1887.4	1909.1	1917.0	1926.9	1921.0	1926.9
152.5°	1617.4	1711.5	1790.5	1855.0	1881.8	1917.4	1942.3	1950.2	1956.9	1952.6	1956.9
155°	1687.8	1770.8	1843.9	1903.2	1926.9	1960.5	1984.2	1994.1	2002.0	1992.1	2002.0
157.5°	1750.6	1822.2	1885.8	1940.3	1965.6	1994.5	2016.6	2028.9	2036.8	2032.4	2036.8
160°	1788.6	1853.8	1911.1	1962.5	1986.2	2011.9	2035.6	2049.4	2057.3	2051.4	2057.3
162.5°	1820.2	1879.1	1933.2	1979.9	2000.4	2022.9	2051.4	2063.7	2071.6	2064.1	2071.6
165°	1865.6	1913.1	1960.5	2000.0	2017.8	2035.6	2065.2	2079.1	2085.0	2077.1	2085.0
167.5°	1900.0	1936.4	1974.7	2008.7	2021.8	2039.2	2068.8	2080.3	2087.8	2077.9	2087.8
170°	1919.0	1950.6	1984.2	2011.9	2021.8	2037.6	2067.2	2077.1	2083.0	2073.1	2083.0
172.5°	1934.8	1958.5	1985.8	2010.3	2015.4	2028.1	2056.2	2066.0	2070.4	2062.1	2070.4
175°	1950.6	1964.5	1984.2	2000.0	1998.0	2006.0	2029.7	2037.6	2045.5	2033.6	2045.5
177.5°	1958.1	1964.5	1970.8	1980.3	1973.9	1973.9	1991.3	1996.1	1997.7	1991.3	1997.7
180°	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2
2.5°	534.7	525.0	513.8	503.3	493.7	484.2	475.4	466.5	475.4	484.2	493.7
5°	777.3	724.8	663.5	608.8	560.6	516.9	486.7	456.6	486.7	516.9	560.6
7.5°	1303.3	1167.0	1002.6	844.1	691.4	561.5	500.2	439.0	500.2	561.5	691.4
10°	1539.6	1425.5	1282.9	1079.0	813.7	593.5	508.1	422.7	508.1	593.5	813.7
12.5°	1626.6	1544.3	1444.2	1232.3	908.4	636.5	520.5	404.6	520.5	636.5	908.4
15°	1737.2	1668.2	1586.8	1368.8	1014.2	706.7	541.0	375.2	541.0	706.7	1014.2
17.5°	1802.3	1737.5	1656.9	1444.3	1099.7	786.2	565.5	344.9	565.5	786.2	1099.7
20°	1813.3	1758.6	1689.3	1488.3	1155.8	841.6	582.4	323.2	582.4	841.6	1155.8
22.5°	1802.7	1760.4	1707.9	1520.3	1197.4	882.8	593.1	303.3	593.1	882.8	1197.4
25°	1783.2	1756.3	1723.2	1551.9	1242.5	928.8	602.3	275.8	602.3	928.8	1242.5
27.5°	1746.5	1728.3	1706.6	1546.7	1248.8	939.1	594.1	249.1	594.1	939.1	1248.8
30°	1718.4	1703.6	1687.5	1533.3	1240.9	934.0	583.4	232.8	583.4	934.0	1240.9
32.5°	1696.3	1678.9	1663.6	1512.6	1225.9	922.8	570.6	218.4	570.6	922.8	1225.9
35°	1681.5	1652.3	1628.2	1474.0	1189.7	889.8	543.2	196.7	543.2	889.8	1189.7
37.5°	1687.8	1639.4	1588.9	1420.9	1135.2	838.3	508.2	178.1	508.2	838.3	1135.2
40°	1686.2	1626.7	1559.4	1382.1	1094.8	800.2	483.7	167.3	483.7	800.2	1094.8
42.5°	1668.2	1600.2	1521.6	1337.5	1047.8	755.6	456.0	156.4	456.0	755.6	1047.8
45°	1631.5	1553.6	1461.2	1266.8	970.5	680.9	411.6	142.4	411.6	680.9	970.5
47.5°	1579.4	1499.7	1401.6	1197.7	887.9	597.0	363.2	129.3	363.2	597.0	887.9
50°	1533.0	1455.7	1359.2	1151.3	831.8	540.0	331.0	122.1	331.0	540.0	831.8
52.5°	1478.4	1405.6	1314.8	1105.3	777.0	484.5	299.7	114.8	299.7	484.5	777.0
55°	1382.8	1319.3	1239.9	1032.5	696.9	407.6	256.9	106.2	256.9	407.6	696.9
57.5°	1277.2	1223.2	1155.5	955.0	621.9	341.7	220.1	98.6	220.1	341.7	621.9
60°	1201.3	1152.0	1090.8	898.4	574.9	305.9	200.4	94.9	200.4	305.9	574.9
62.5°	1121.5	1076.1	1019.6	836.9	527.9	273.2	181.3	89.5	181.3	273.2	527.9
65°	992.1	954.6	907.4	743.2	461.9	232.3	158.0	83.6	158.0	232.3	461.9
67.5°	831.7	813.4	784.1	646.8	401.4	201.7	138.6	75.5	138.6	201.7	401.4
70°	703.5	706.7	696.7	582.7	364.7	186.6	128.3	70.1	128.3	186.6	364.7
72.5°	536.5	573.5	595.6	512.6	324.3	170.1	118.3	66.5	118.3	170.1	324.3
75°	253.7	325.5	421.9	399.8	259.2	143.2	101.0	58.8	101.0	143.2	259.2
77.5°	194.8	232.7	283.7	266.9	182.3	111.0	79.5	47.9	79.5	111.0	182.3
80°	158.5	159.7	161.7	148.2	119.0	90.9	65.8	40.7	65.8	90.9	119.0
82.5°	116.3	115.1	113.1	104.0	87.7	70.8	52.1	33.5	52.1	70.8	87.7
85°	37.9	44.5	52.5	54.0	49.0	42.4	31.4	20.3	31.4	42.4	49.0
87.5°	17.3	16.9	16.9	18.2	20.2	20.0	14.0	8.4	14.0	19.6	21.0
90°	41.5	39.5	39.5	37.5	31.6	23.7	13.8	5.9	13.8	21.7	35.6
92.5°	49.4	49.0	45.9	42.3	34.8	34.8	34.4	21.7	37.5	53.4	76.7
95°	45.5	45.5	53.4	67.2	98.8	100.8	67.2	61.3	87.0	122.5	154.2
97.5°	122.9	146.2	179.4	185.8	175.9	131.2	125.7	117.0	159.3	194.5	245.5
100°	227.3	256.9	280.6	233.2	183.8	181.8	170.0	166.0	211.5	245.1	294.5
102.5°	355.3	364.4	282.2	255.3	243.9	235.6	217.4	215.0	260.5	306.7	348.2
105°	385.4	345.9	347.8	347.8	339.9	324.1	290.5	288.5	339.9	393.3	444.7
107.5°	453.4	459.3	469.6	467.2	458.1	415.8	376.3	367.2	413.4	477.5	534.0
110°	543.5	549.4	553.4	549.4	535.6	482.2	434.8	421.0	462.5	529.7	590.9



TEST NUMBER: P1436017

CATALOG NUMBER: SQ2W-FB-K-125U-100D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	630.4	634.8	643.5	631.6	608.3	547.0	493.3	473.1	514.6	583.4	646.3
115°	768.8	768.8	770.8	764.8	717.4	654.2	583.0	553.4	588.9	652.2	721.4
117.5°	904.8	907.1	899.2	883.4	828.5	754.9	675.1	627.7	655.7	722.5	793.7
120°	990.1	994.1	986.2	962.5	909.1	826.1	735.2	679.8	701.6	766.8	838.0
122.5°	1078.7	1077.9	1068.4	1041.5	978.7	892.5	803.2	735.2	744.3	804.8	874.3
125°	1201.6	1199.6	1191.7	1160.1	1094.9	1005.9	901.2	818.2	806.3	857.7	928.9
127.5°	1318.6	1314.2	1302.0	1263.7	1196.9	1111.1	996.1	902.0	875.5	907.9	973.1
130°	1399.2	1393.3	1371.6	1330.1	1264.8	1183.8	1067.2	960.5	922.9	942.7	1000.0
132.5°	1476.7	1459.7	1441.1	1396.5	1336.0	1251.8	1133.6	1022.1	970.4	979.1	1023.7
135°	1575.1	1559.3	1535.6	1492.1	1434.8	1351.8	1233.2	1112.7	1041.5	1033.6	1059.3
137.5°	1661.7	1645.1	1618.2	1580.7	1522.9	1449.0	1335.2	1207.9	1118.2	1091.7	1101.6
140°	1715.4	1695.7	1672.0	1634.4	1583.0	1505.9	1395.3	1272.7	1172.0	1134.4	1128.5
142.5°	1759.7	1744.7	1719.4	1685.0	1639.9	1562.9	1455.4	1334.4	1227.3	1178.7	1164.8
145°	1826.1	1814.3	1786.6	1755.0	1717.4	1640.3	1541.5	1421.0	1314.2	1251.0	1221.4
147.5°	1882.2	1872.7	1851.0	1813.9	1782.2	1708.3	1618.2	1511.5	1402.0	1323.7	1285.4
150°	1917.0	1909.1	1887.4	1851.8	1820.2	1751.0	1664.1	1565.2	1460.5	1377.5	1328.1
152.5°	1950.2	1942.3	1917.4	1881.8	1855.0	1790.5	1711.5	1617.4	1511.1	1428.1	1377.1
155°	1994.1	1984.2	1960.5	1926.9	1903.2	1843.9	1770.8	1687.8	1596.9	1509.9	1452.6
157.5°	2028.9	2016.6	1994.5	1965.6	1940.3	1885.8	1822.2	1750.6	1671.2	1588.2	1529.7
160°	2049.4	2035.6	2011.9	1986.2	1962.5	1911.1	1853.8	1788.6	1715.4	1640.3	1577.1
162.5°	2063.7	2051.4	2022.9	2000.4	1979.9	1933.2	1879.1	1820.2	1755.0	1689.3	1630.8
165°	2079.1	2065.2	2035.6	2017.8	2000.0	1960.5	1913.1	1865.6	1810.3	1756.9	1709.5
167.5°	2080.3	2068.8	2039.2	2021.8	2008.7	1974.7	1936.4	1900.0	1856.9	1815.0	1775.5
170°	2077.1	2067.2	2037.6	2021.8	2011.9	1984.2	1950.6	1919.0	1885.4	1849.8	1818.2
172.5°	2066.0	2056.2	2028.1	2015.4	2010.3	1985.8	1958.5	1934.8	1906.0	1879.9	1854.6
175°	2037.6	2029.7	2006.0	1998.0	2000.0	1984.2	1964.5	1950.6	1932.8	1917.0	1903.2
177.5°	1996.1	1991.3	1973.9	1973.9	1980.3	1970.8	1964.5	1958.1	1950.2	1945.5	1940.7
180°	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5



TEST NUMBER: P1436017

CATALOG NUMBER: SQ2W-FB-K-125U-100D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2
2.5°	503.3	513.8	525.0	534.7	539.5	544.3	539.5	534.7	525.0	513.8	503.3
5°	608.8	663.5	724.8	777.3	803.4	829.6	803.4	777.3	724.8	663.5	608.8
7.5°	844.1	1002.6	1167.0	1303.3	1355.5	1407.8	1355.5	1303.3	1167.0	1002.6	844.1
10°	1079.0	1282.9	1425.5	1539.6	1567.7	1595.8	1567.7	1539.6	1425.5	1282.9	1079.0
12.5°	1232.3	1444.2	1544.3	1626.6	1655.5	1684.4	1655.5	1626.6	1544.3	1444.2	1232.3
15°	1368.8	1586.8	1668.2	1737.2	1769.4	1801.5	1769.4	1737.2	1668.2	1586.8	1368.8
17.5°	1444.3	1656.9	1737.5	1802.3	1819.7	1837.2	1819.7	1802.3	1737.5	1656.9	1444.3
20°	1488.3	1689.3	1758.6	1813.3	1824.4	1835.4	1824.4	1813.3	1758.6	1689.3	1488.3
22.5°	1520.3	1707.9	1760.4	1802.7	1814.5	1826.4	1814.5	1802.7	1760.4	1707.9	1520.3
25°	1551.9	1723.2	1756.3	1783.2	1791.2	1799.3	1791.2	1783.2	1756.3	1723.2	1551.9
27.5°	1546.7	1706.6	1728.3	1746.5	1754.3	1762.2	1754.3	1746.5	1728.3	1706.6	1546.7
30°	1533.3	1687.5	1703.6	1718.4	1729.4	1740.5	1729.4	1718.4	1703.6	1687.5	1533.3
32.5°	1512.6	1663.6	1678.9	1696.3	1720.2	1744.1	1720.2	1696.3	1678.9	1663.6	1512.6
35°	1474.0	1628.2	1652.3	1681.5	1725.7	1769.9	1725.7	1681.5	1652.3	1628.2	1474.0
37.5°	1420.9	1588.9	1639.4	1687.8	1730.4	1773.0	1730.4	1687.8	1639.4	1588.9	1420.9
40°	1382.1	1559.4	1626.7	1686.2	1722.4	1758.6	1722.4	1686.2	1626.7	1559.4	1382.1
42.5°	1337.5	1521.6	1600.2	1668.2	1704.3	1740.5	1704.3	1668.2	1600.2	1521.6	1337.5
45°	1266.8	1461.2	1553.6	1631.5	1665.6	1699.8	1665.6	1631.5	1553.6	1461.2	1266.8
47.5°	1197.7	1401.6	1499.7	1579.4	1604.4	1629.3	1604.4	1579.4	1499.7	1401.6	1197.7
50°	1151.3	1359.2	1455.7	1533.0	1553.1	1573.2	1553.1	1533.0	1455.7	1359.2	1151.3
52.5°	1105.3	1314.8	1405.6	1478.4	1496.9	1515.4	1496.9	1478.4	1405.6	1314.8	1105.3
55°	1032.5	1239.9	1319.3	1382.8	1398.9	1415.0	1398.9	1382.8	1319.3	1239.9	1032.5
57.5°	955.0	1155.5	1223.2	1277.2	1290.3	1303.3	1290.3	1277.2	1223.2	1155.5	955.0
60°	898.4	1090.8	1152.0	1201.3	1214.3	1227.4	1214.3	1201.3	1152.0	1090.8	898.4
62.5°	836.9	1019.6	1076.1	1121.5	1133.8	1146.0	1133.8	1121.5	1076.1	1019.6	836.9
65°	743.2	907.4	954.6	992.1	1000.1	1008.1	1000.1	992.1	954.6	907.4	743.2
67.5°	646.8	784.1	813.4	831.7	816.6	801.5	816.6	831.7	813.4	784.1	646.8
70°	582.7	696.7	706.7	703.5	660.3	617.1	660.3	703.5	706.7	696.7	582.7
72.5°	512.6	595.6	573.5	536.5	454.7	373.0	454.7	536.5	573.5	595.6	512.6
75°	399.8	421.9	325.5	253.7	255.7	257.7	255.7	253.7	325.5	421.9	399.8
77.5°	266.9	283.7	232.7	194.8	196.7	198.5	196.7	194.8	232.7	283.7	266.9
80°	148.2	161.7	159.7	158.5	159.5	160.5	159.5	158.5	159.7	161.7	148.2
82.5°	104.0	113.1	115.1	116.3	114.9	113.5	114.9	116.3	115.1	113.1	104.0
85°	54.0	52.5	44.5	37.9	35.9	33.9	35.9	37.9	44.5	52.5	54.0
87.5°	19.7	20.9	23.7	25.2	26.8	26.0	26.8	25.2	23.7	20.9	19.7
90°	45.5	59.3	73.1	81.0	88.9	85.0	88.9	81.0	73.1	59.3	45.5
92.5°	91.3	114.6	131.6	145.9	152.2	151.4	152.2	145.9	131.6	114.6	91.3
95°	183.8	211.5	239.1	258.9	270.8	266.8	270.8	258.9	239.1	211.5	183.8
97.5°	283.4	320.6	351.4	370.0	381.8	389.7	381.8	370.0	351.4	320.6	283.4
100°	349.8	385.4	421.0	442.7	462.5	470.4	462.5	442.7	421.0	385.4	349.8
102.5°	403.6	450.2	488.9	512.3	528.9	536.8	528.9	512.3	488.9	450.2	403.6
105°	492.1	541.5	583.0	612.7	630.4	636.4	630.4	612.7	583.0	541.5	492.1
107.5°	580.6	631.6	670.0	702.8	724.5	737.2	724.5	702.8	670.0	631.6	580.6
110°	650.2	691.7	733.2	762.9	784.6	792.5	784.6	762.9	733.2	691.7	650.2



TEST NUMBER: P1436017

CATALOG NUMBER: SQ2W-FB-K-125U-100D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	708.7	754.9	796.5	826.1	851.0	862.1	851.0	826.1	796.5	754.9	708.7
115°	790.5	851.8	889.3	917.0	934.8	944.7	934.8	917.0	889.3	851.8	790.5
117.5°	858.5	922.5	963.6	985.0	993.3	1000.4	993.3	985.0	963.6	922.5	858.5
120°	901.2	960.5	1007.9	1035.6	1045.5	1049.4	1045.5	1035.6	1007.9	960.5	901.2
122.5°	940.7	996.8	1042.7	1076.7	1092.9	1096.9	1092.9	1076.7	1042.7	996.8	940.7
125°	996.1	1049.4	1096.9	1130.4	1148.2	1158.1	1148.2	1130.4	1096.9	1049.4	996.1
127.5°	1044.3	1102.0	1145.5	1175.9	1193.3	1201.2	1193.3	1175.9	1145.5	1102.0	1044.3
130°	1071.2	1130.4	1173.9	1207.5	1223.3	1231.2	1223.3	1207.5	1173.9	1130.4	1071.2
132.5°	1091.7	1154.2	1199.2	1229.7	1247.1	1255.0	1247.1	1229.7	1199.2	1154.2	1091.7
135°	1116.6	1181.8	1229.3	1258.9	1274.7	1282.6	1274.7	1258.9	1229.3	1181.8	1116.6
137.5°	1138.4	1197.6	1247.1	1278.3	1292.5	1297.6	1292.5	1278.3	1247.1	1197.6	1138.4
140°	1154.2	1205.5	1255.0	1284.6	1300.4	1302.4	1300.4	1284.6	1255.0	1205.5	1154.2
142.5°	1174.7	1215.0	1258.1	1287.8	1303.6	1307.1	1303.6	1287.8	1258.1	1215.0	1174.7
145°	1211.5	1235.2	1264.8	1292.5	1306.3	1310.3	1306.3	1292.5	1264.8	1235.2	1211.5
147.5°	1257.7	1265.2	1280.6	1298.8	1312.3	1315.0	1312.3	1298.8	1280.6	1265.2	1257.7
150°	1292.5	1290.5	1296.5	1308.3	1320.2	1318.2	1320.2	1308.3	1296.5	1290.5	1292.5
152.5°	1332.0	1320.6	1320.2	1325.7	1331.2	1330.8	1331.2	1325.7	1320.2	1320.6	1332.0
155°	1399.2	1377.5	1365.6	1361.7	1361.7	1359.7	1361.7	1361.7	1365.6	1377.5	1399.2
157.5°	1473.1	1442.7	1424.9	1415.4	1412.7	1408.3	1412.7	1415.4	1424.9	1442.7	1473.1
160°	1523.7	1490.1	1472.3	1456.5	1450.6	1444.7	1450.6	1456.5	1472.3	1490.1	1523.7
162.5°	1571.2	1539.1	1519.8	1505.6	1499.6	1490.5	1499.6	1505.6	1519.8	1539.1	1571.2
165°	1648.2	1614.6	1592.9	1581.0	1573.1	1565.2	1573.1	1581.0	1592.9	1614.6	1648.2
167.5°	1725.3	1688.6	1674.3	1660.9	1653.4	1639.1	1653.4	1660.9	1674.3	1688.6	1725.3
170°	1772.7	1739.2	1731.2	1719.4	1705.6	1689.7	1705.6	1719.4	1731.2	1739.2	1772.7
172.5°	1813.9	1791.3	1783.4	1771.6	1767.2	1754.6	1767.2	1771.6	1783.4	1791.3	1813.9
175°	1873.5	1855.8	1855.8	1853.8	1847.8	1836.0	1847.8	1853.8	1855.8	1855.8	1873.5
177.5°	1923.3	1913.9	1920.2	1920.2	1918.6	1907.5	1918.6	1920.2	1920.2	1913.9	1923.3
180°	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5



TEST NUMBER: P1436017

CATALOG NUMBER: SQ2W-FB-K-125U-100D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	470.2	470.2	470.2	470.2
2.5°	493.7	484.2	475.4	466.5
5°	560.6	516.9	486.7	456.6
7.5°	691.4	561.5	500.2	439.0
10°	813.7	593.5	508.1	422.7
12.5°	908.4	636.5	520.5	404.6
15°	1014.2	706.7	541.0	375.2
17.5°	1099.7	786.2	565.5	344.9
20°	1155.8	841.6	582.4	323.2
22.5°	1197.4	882.8	593.1	303.3
25°	1242.5	928.8	602.3	275.8
27.5°	1248.8	939.1	594.1	249.1
30°	1240.9	934.0	583.4	232.8
32.5°	1225.9	922.8	570.6	218.4
35°	1189.7	889.8	543.2	196.7
37.5°	1135.2	838.3	508.2	178.1
40°	1094.8	800.2	483.7	167.3
42.5°	1047.8	755.6	456.0	156.4
45°	970.5	680.9	411.6	142.4
47.5°	887.9	597.0	363.2	129.3
50°	831.8	540.0	331.0	122.1
52.5°	777.0	484.5	299.7	114.8
55°	696.9	407.6	256.9	106.2
57.5°	621.9	341.7	220.1	98.6
60°	574.9	305.9	200.4	94.9
62.5°	527.9	273.2	181.3	89.5
65°	461.9	232.3	158.0	83.6
67.5°	401.4	201.7	138.6	75.5
70°	364.7	186.6	128.3	70.1
72.5°	324.3	170.1	118.3	66.5
75°	259.2	143.2	101.0	58.8
77.5°	182.3	111.0	79.5	47.9
80°	119.0	90.9	65.8	40.7
82.5°	87.7	70.8	52.1	33.5
85°	49.0	42.4	31.4	20.3
87.5°	21.0	19.6	14.0	8.4
90°	35.6	21.7	13.8	5.9
92.5°	76.7	53.4	37.5	21.7
95°	154.2	122.5	87.0	61.3
97.5°	245.5	194.5	159.3	117.0
100°	294.5	245.1	211.5	166.0
102.5°	348.2	306.7	260.5	215.0
105°	444.7	393.3	339.9	288.5
107.5°	534.0	477.5	413.4	367.2
110°	590.9	529.7	462.5	421.0



TEST NUMBER: P1436017

CATALOG NUMBER: SQ2W-FB-K-125U-100D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	646.3	583.4	514.6	473.1
115°	721.4	652.2	588.9	553.4
117.5°	793.7	722.5	655.7	627.7
120°	838.0	766.8	701.6	679.8
122.5°	874.3	804.8	744.3	735.2
125°	928.9	857.7	806.3	818.2
127.5°	973.1	907.9	875.5	902.0
130°	1000.0	942.7	922.9	960.5
132.5°	1023.7	979.1	970.4	1022.1
135°	1059.3	1033.6	1041.5	1112.7
137.5°	1101.6	1091.7	1118.2	1207.9
140°	1128.5	1134.4	1172.0	1272.7
142.5°	1164.8	1178.7	1227.3	1334.4
145°	1221.4	1251.0	1314.2	1421.0
147.5°	1285.4	1323.7	1402.0	1511.5
150°	1328.1	1377.5	1460.5	1565.2
152.5°	1377.1	1428.1	1511.1	1617.4
155°	1452.6	1509.9	1596.9	1687.8
157.5°	1529.7	1588.2	1671.2	1750.6
160°	1577.1	1640.3	1715.4	1788.6
162.5°	1630.8	1689.3	1755.0	1820.2
165°	1709.5	1756.9	1810.3	1865.6
167.5°	1775.5	1815.0	1856.9	1900.0
170°	1818.2	1849.8	1885.4	1919.0
172.5°	1854.6	1879.9	1906.0	1934.8
175°	1903.2	1917.0	1932.8	1950.6
177.5°	1940.7	1945.5	1950.2	1958.1
180°	1956.5	1956.5	1956.5	1956.5



TEST NUMBER: P1436017
 CATALOG NUMBER: SQ2W-FB-K-125U-100D-L840-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	12.73	13.57	13.72	14.58	15.92	22.32	23.16	23.32	24.17	25.51
	3H	13.66	14.42	14.67	15.44	16.80	23.93	24.68	24.93	25.70	27.06
	4H	14.06	14.78	15.08	15.80	17.17	24.10	24.82	25.12	25.84	27.21
	6H	14.32	14.97	15.34	16.00	17.38	24.18	24.84	25.21	25.86	27.24
	8H	14.41	15.03	15.44	16.08	17.45	24.20	24.82	25.23	25.86	27.24
	12H	14.45	15.05	15.49	16.09	17.49	24.17	24.77	25.21	25.80	27.21
4H	2H	17.44	18.16	18.47	19.18	20.55	22.69	23.40	23.71	24.42	25.79
	3H	18.57	19.17	19.60	20.22	21.60	24.57	25.17	25.61	26.22	27.60
	4H	18.85	19.40	19.89	20.44	21.84	24.79	25.34	25.83	26.38	27.78
	6H	18.99	19.45	20.04	20.52	21.92	24.92	25.39	25.97	26.46	27.86
	8H	19.02	19.46	20.08	20.52	21.94	24.97	25.40	26.02	26.46	27.88
	12H	19.03	19.42	20.10	20.49	21.91	24.95	25.34	26.02	26.42	27.84
8H	4H	20.04	20.48	21.10	21.54	22.95	24.88	25.32	25.93	26.38	27.79
	6H	20.30	20.66	21.38	21.76	23.17	25.08	25.44	26.15	26.54	27.95
	8H	20.40	20.71	21.48	21.80	23.23	25.17	25.49	26.25	26.57	28.00
	12H	20.44	20.72	21.53	21.80	23.27	25.17	25.45	26.26	26.53	28.00
12H	4H	20.07	20.46	21.14	21.53	22.95	24.83	25.23	25.90	26.30	27.72
	6H	20.41	20.72	21.49	21.81	23.24	25.06	25.38	26.14	26.46	27.89
	8H	20.54	20.82	21.63	21.90	23.37	25.16	25.44	26.25	26.52	27.99