

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: P1436011

Luminaire Tested: SQ2W-FB-K-125U-075D-L840-UNV-STD-W-WM-4

Issue Date: 3/24/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1436011  
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-075D-L840-UNV-STD-W-WM-4  
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE  
DOWNLIGHT - FROSTED CONTINUOUS BATWING ROLL LENS  
UPLIGHT - ASYMMETRIC ROLL LENS  
DOWNLIGHT 750 LUMENS PER FOOT  
UPLIGHT 1250 LUMENS PER FOOT  
Light Source: 4000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

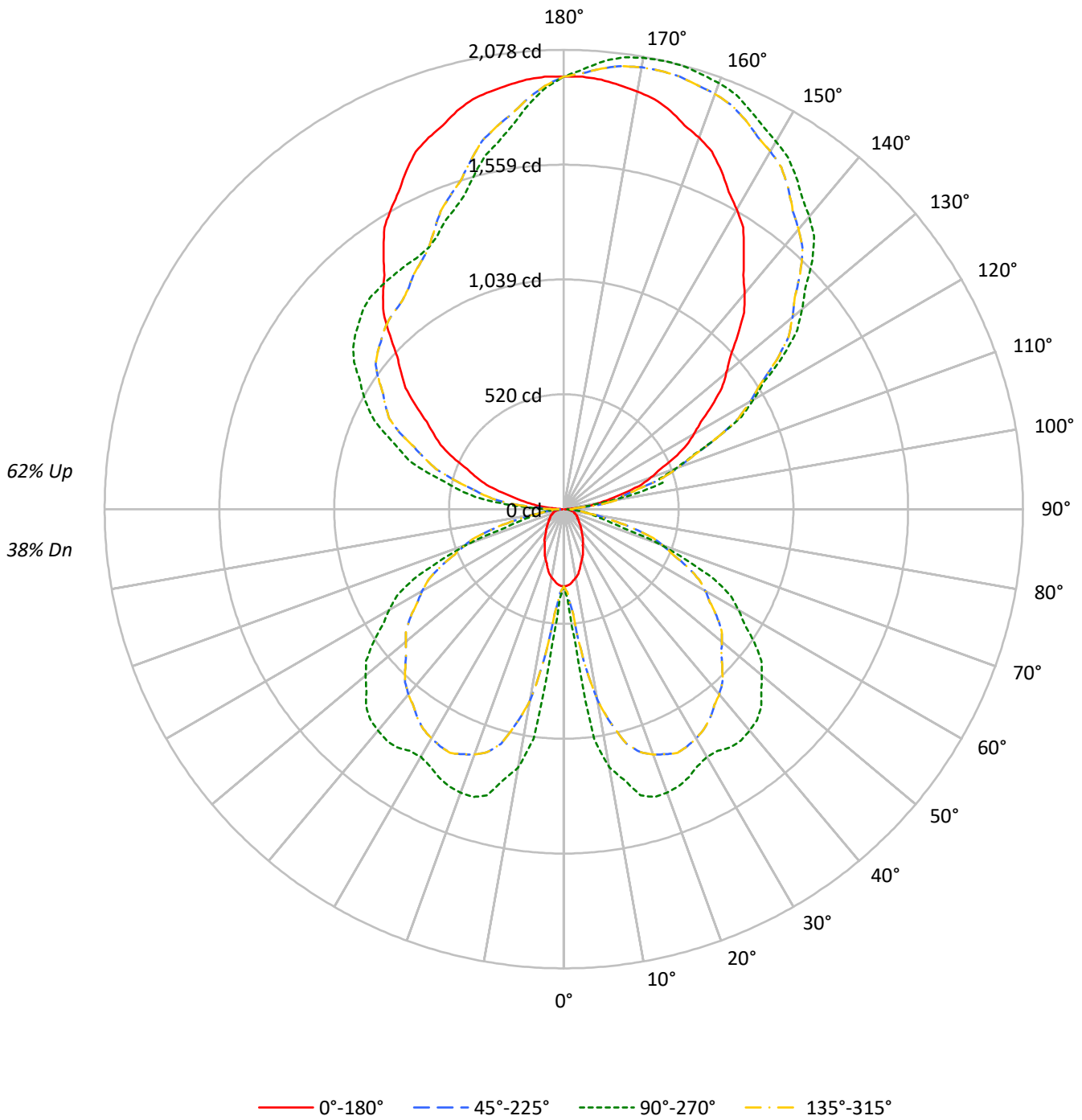
Lumens per Lamp: N/A  
Luminaire Lumens: 9174.5 lumens  
Efficiency: N/A  
Efficacy: 129.8 lumens/watt  
Spacing Criteria (0/90/45): 0.84 / 2.98 / 2.52  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

Input Watts (W): 70.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

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CATALOG NUMBER: SQ2W-FB-K-125U-075D-L840-UNV-STD-W-WM-4

### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	104	104	104	104	95	95	95	95	77	77	77	60	60	60	45	45	45	38
1	95	91	87	83	86	82	79	76	67	64	62	53	51	50	39	38	38	31
2	86	79	73	67	78	72	66	62	58	54	51	46	43	41	34	33	31	26
3	78	69	62	56	71	63	56	51	51	46	43	40	37	34	30	28	26	21
4	71	61	53	47	64	55	48	43	45	40	36	35	32	29	27	24	22	18
5	65	54	45	40	59	49	42	36	40	35	30	31	28	25	24	21	19	15
6	60	48	40	34	54	44	36	31	36	30	26	28	24	21	21	19	16	13
7	55	43	35	29	50	39	32	27	32	27	23	25	21	19	19	16	14	12
8	51	39	31	26	46	35	29	24	29	24	20	23	19	16	17	15	13	10
9	47	35	28	23	43	32	25	21	26	21	18	21	17	14	16	13	11	9
10	44	32	25	20	40	29	23	19	24	19	16	19	16	13	15	12	10	8

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	5646	5646	5646	5646
5°	5504	10000	5504	10000
10°	5154	19459	5154	19459
15°	4665	22397	4665	22397
20°	4130	23455	4130	23455
25°	3654	23840	3654	23840
30°	3229	24134	3229	24134
35°	2884	25946	2884	25946
40°	2622	27568	2622	27568
45°	2418	28866	2418	28866
50°	2281	29391	2281	29391
55°	2224	29624	2224	29624
60°	2280	29479	2280	29479
65°	2376	28645	2376	28645
70°	2459	21668	2459	21668
75°	2726	11959	2726	11959
80°	2817	11102	2817	11102
85°	2797	4668	2797	4668

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 52.5°  
 Luminance: 29893 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	58.6	0.6
10°-20°	267.3	2.9
20°-30°	470.4	5.1
30°-40°	608.9	6.6
40°-50°	671.6	7.3
50°-60°	626.8	6.8
60°-70°	484.2	5.3
70°-80°	223.2	2.4
80°-90°	50.8	0.6
90°-100°	155.7	1.7
100°-110°	454.1	4.9
110°-120°	741.1	8.1
120°-130°	940.4	10.2
130°-140°	1006.2	11.0
140°-150°	939.6	10.2
150°-160°	773.1	8.4
160°-170°	518.5	5.7
170°-180°	184.1	2.0
0°-30°	796.3	8.7
0°-40°	1405.2	15.3
0°-60°	2703.6	29.5
0°-90°	3461.8	37.7
90°-120°	1350.9	14.7
90°-150°	4237.0	46.2
90°-180°	5713.0	62.3
0°-180°	9174.5	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	350	350	350	350	350	
5°	340	617	340	617	340	32
15°	279	1340	279	1340	279	78
25°	205	1338	205	1338	205	94
35°	146	1316	146	1316	146	92
45°	106	1264	106	1264	106	82
55°	79	1052	79	1052	79	71
65°	62	750	62	750	62	61
75°	44	192	44	192	44	45
85°	15	25	15	25	15	16
90°	6	44	6	85	6	5
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°	349.7	349.7	349.7	349.7	349.7	349.7	349.7	349.7	349.7	349.7	349.7
2.5°	347.0	353.6	360.1	367.2	374.3	382.1	390.5	397.7	401.2	404.8	401.2
5°	339.6	362.0	384.4	416.9	452.8	493.5	539.1	578.1	597.6	617.0	597.6
7.5°	326.5	372.1	417.6	514.2	627.8	745.7	867.9	969.3	1008.2	1047.0	1008.2
10°	314.4	377.9	441.4	605.2	802.5	954.2	1060.3	1145.1	1166.0	1186.9	1166.0
12.5°	300.9	387.2	473.4	675.6	916.5	1074.2	1148.6	1209.8	1231.3	1252.8	1231.3
15°	279.1	402.4	525.6	754.3	1018.0	1180.2	1240.7	1292.1	1316.0	1339.9	1316.0
17.5°	256.5	420.6	584.7	818.0	1074.2	1232.3	1292.3	1340.5	1353.5	1366.5	1353.5
20°	240.4	433.2	626.0	859.6	1107.0	1256.4	1308.0	1348.7	1356.9	1365.1	1356.9
22.5°	225.6	441.1	656.6	890.6	1130.7	1270.3	1309.3	1340.8	1349.6	1358.4	1349.6
25°	205.1	447.9	690.8	924.1	1154.2	1281.6	1306.3	1326.3	1332.2	1338.2	1332.2
27.5°	185.3	441.9	698.4	928.8	1150.4	1269.3	1285.4	1299.0	1304.8	1310.7	1304.8
30°	173.2	433.9	694.7	923.0	1140.4	1255.1	1267.1	1278.1	1286.3	1294.5	1286.3
32.5°	162.4	424.4	686.3	911.8	1125.0	1237.3	1248.7	1261.6	1279.4	1297.2	1279.4
35°	146.3	404.0	661.8	884.9	1096.3	1211.0	1228.9	1250.6	1283.5	1316.4	1283.5
37.5°	132.5	378.0	623.5	844.3	1056.8	1181.8	1219.3	1255.4	1287.0	1318.7	1287.0
40°	124.4	359.8	595.1	814.3	1028.0	1159.8	1209.9	1254.2	1281.1	1308.0	1281.1
42.5°	116.3	339.2	562.0	779.3	994.8	1131.7	1190.2	1240.7	1267.6	1294.5	1267.6
45°	105.9	306.2	506.4	721.8	942.2	1086.8	1155.5	1213.4	1238.8	1264.2	1238.8
47.5°	96.2	270.1	444.1	660.4	890.8	1042.5	1115.4	1174.7	1193.3	1211.8	1193.3
50°	90.8	246.2	401.6	618.7	856.3	1011.0	1082.7	1140.2	1155.2	1170.1	1155.2
52.5°	85.4	222.9	360.4	577.9	822.1	977.9	1045.5	1099.6	1113.3	1127.1	1113.3
55°	79.0	191.1	303.2	518.4	767.9	922.2	981.3	1028.5	1040.5	1052.4	1040.5
57.5°	73.3	163.7	254.1	462.5	710.3	859.4	909.7	949.9	959.7	969.4	959.7
60°	70.6	149.1	227.5	427.6	668.2	811.3	856.8	893.5	903.2	912.9	903.2
62.5°	66.6	134.9	203.2	392.6	622.4	758.4	800.4	834.1	843.2	852.4	843.2
65°	62.2	117.5	172.8	343.5	552.7	674.9	710.0	737.9	743.8	749.8	743.8
67.5°	56.2	103.1	150.0	298.6	481.0	583.2	605.0	618.6	607.4	596.1	607.4
70°	52.1	95.5	138.8	271.2	433.4	518.2	525.6	523.2	491.1	459.0	491.1
72.5°	49.4	88.0	126.5	241.2	381.2	443.0	426.6	399.0	338.2	277.4	338.2
75°	43.7	75.1	106.5	192.8	297.4	313.8	242.1	188.7	190.2	191.7	190.2
77.5°	35.6	59.1	82.6	135.6	198.5	211.0	173.0	144.9	146.3	147.6	146.3
80°	30.3	48.9	67.6	88.5	110.2	120.3	118.8	117.9	118.6	119.4	118.6
82.5°	24.9	38.8	52.7	65.2	77.3	84.1	85.6	86.5	85.4	84.4	85.4
85°	15.1	23.3	31.6	36.4	40.2	39.0	33.1	28.2	26.7	25.2	26.7
87.5°	6.6	11.1	16.1	16.6	15.4	14.6	14.6	15.0	15.4	15.4	15.4
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°	349.7	349.7	349.7	349.7	349.7	349.7	349.7	349.7	349.7	349.7	349.7
2.5°	397.7	390.5	382.1	374.3	367.2	360.1	353.6	347.0	353.6	360.1	367.2
5°	578.1	539.1	493.5	452.8	416.9	384.4	362.0	339.6	362.0	384.4	416.9
7.5°	969.3	867.9	745.7	627.8	514.2	417.6	372.1	326.5	372.1	417.6	514.2
10°	1145.1	1060.3	954.2	802.5	605.2	441.4	377.9	314.4	377.9	441.4	605.2
12.5°	1209.8	1148.6	1074.2	916.5	675.6	473.4	387.2	300.9	387.2	473.4	675.6
15°	1292.1	1240.7	1180.2	1018.0	754.3	525.6	402.4	279.1	402.4	525.6	754.3
17.5°	1340.5	1292.3	1232.3	1074.2	818.0	584.7	420.6	256.5	420.6	584.7	818.0
20°	1348.7	1308.0	1256.4	1107.0	859.6	626.0	433.2	240.4	433.2	626.0	859.6
22.5°	1340.8	1309.3	1270.3	1130.7	890.6	656.6	441.1	225.6	441.1	656.6	890.6
25°	1326.3	1306.3	1281.6	1154.2	924.1	690.8	447.9	205.1	447.9	690.8	924.1
27.5°	1299.0	1285.4	1269.3	1150.4	928.8	698.4	441.9	185.3	441.9	698.4	928.8
30°	1278.1	1267.1	1255.1	1140.4	923.0	694.7	433.9	173.2	433.9	694.7	923.0
32.5°	1261.6	1248.7	1237.3	1125.0	911.8	686.3	424.4	162.4	424.4	686.3	911.8
35°	1250.6	1228.9	1211.0	1096.3	884.9	661.8	404.0	146.3	404.0	661.8	884.9
37.5°	1255.4	1219.3	1181.8	1056.8	844.3	623.5	378.0	132.5	378.0	623.5	844.3
40°	1254.2	1209.9	1159.8	1028.0	814.3	595.1	359.8	124.4	359.8	595.1	814.3
42.5°	1240.7	1190.2	1131.7	994.8	779.3	562.0	339.2	116.3	339.2	562.0	779.3
45°	1213.4	1155.5	1086.8	942.2	721.8	506.4	306.2	105.9	306.2	506.4	721.8
47.5°	1174.7	1115.4	1042.5	890.8	660.4	444.1	270.1	96.2	270.1	444.1	660.4
50°	1140.2	1082.7	1011.0	856.3	618.7	401.6	246.2	90.8	246.2	401.6	618.7
52.5°	1099.6	1045.5	977.9	822.1	577.9	360.4	222.9	85.4	222.9	360.4	577.9
55°	1028.5	981.3	922.2	767.9	518.4	303.2	191.1	79.0	191.1	303.2	518.4
57.5°	949.9	909.7	859.4	710.3	462.5	254.1	163.7	73.3	163.7	254.1	462.5
60°	893.5	856.8	811.3	668.2	427.6	227.5	149.1	70.6	149.1	227.5	427.6
62.5°	834.1	800.4	758.4	622.4	392.6	203.2	134.9	66.6	134.9	203.2	392.6
65°	737.9	710.0	674.9	552.7	343.5	172.8	117.5	62.2	117.5	172.8	343.5
67.5°	618.6	605.0	583.2	481.0	298.6	150.0	103.1	56.2	103.1	150.0	298.6
70°	523.2	525.6	518.2	433.4	271.2	138.8	95.5	52.1	95.5	138.8	271.2
72.5°	399.0	426.6	443.0	381.2	241.2	126.5	88.0	49.4	88.0	126.5	241.2
75°	188.7	242.1	313.8	297.4	192.8	106.5	75.1	43.7	75.1	106.5	192.8
77.5°	144.9	173.0	211.0	198.5	135.6	82.6	59.1	35.6	59.1	82.6	135.6
80°	117.9	118.8	120.3	110.2	88.5	67.6	48.9	30.3	48.9	67.6	88.5
82.5°	86.5	85.6	84.1	77.3	65.2	52.7	38.8	24.9	38.8	52.7	65.2
85°	28.2	33.1	39.0	40.2	36.4	31.6	23.3	15.1	23.3	31.6	36.4
87.5°	15.0	14.6	14.6	15.4	16.6	16.1	11.1	6.6	11.1	15.7	17.4
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: P1436011

CATALOG NUMBER: SQ2W-FB-K-125U-075D-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: P1436011

CATALOG NUMBER: SQ2W-FB-K-125U-075D-L840-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	349.7	349.7	349.7	349.7	349.7	349.7	349.7	349.7	349.7	349.7	349.7
2.5°	374.3	382.1	390.5	397.7	401.2	404.8	401.2	397.7	390.5	382.1	374.3
5°	452.8	493.5	539.1	578.1	597.6	617.0	597.6	578.1	539.1	493.5	452.8
7.5°	627.8	745.7	867.9	969.3	1008.2	1047.0	1008.2	969.3	867.9	745.7	627.8
10°	802.5	954.2	1060.3	1145.1	1166.0	1186.9	1166.0	1145.1	1060.3	954.2	802.5
12.5°	916.5	1074.2	1148.6	1209.8	1231.3	1252.8	1231.3	1209.8	1148.6	1074.2	916.5
15°	1018.0	1180.2	1240.7	1292.1	1316.0	1339.9	1316.0	1292.1	1240.7	1180.2	1018.0
17.5°	1074.2	1232.3	1292.3	1340.5	1353.5	1366.5	1353.5	1340.5	1292.3	1232.3	1074.2
20°	1107.0	1256.4	1308.0	1348.7	1356.9	1365.1	1356.9	1348.7	1308.0	1256.4	1107.0
22.5°	1130.7	1270.3	1309.3	1340.8	1349.6	1358.4	1349.6	1340.8	1309.3	1270.3	1130.7
25°	1154.2	1281.6	1306.3	1326.3	1332.2	1338.2	1332.2	1326.3	1306.3	1281.6	1154.2
27.5°	1150.4	1269.3	1285.4	1299.0	1304.8	1310.7	1304.8	1299.0	1285.4	1269.3	1150.4
30°	1140.4	1255.1	1267.1	1278.1	1286.3	1294.5	1286.3	1278.1	1267.1	1255.1	1140.4
32.5°	1125.0	1237.3	1248.7	1261.6	1279.4	1297.2	1279.4	1261.6	1248.7	1237.3	1125.0
35°	1096.3	1211.0	1228.9	1250.6	1283.5	1316.4	1283.5	1250.6	1228.9	1211.0	1096.3
37.5°	1056.8	1181.8	1219.3	1255.4	1287.0	1318.7	1287.0	1255.4	1219.3	1181.8	1056.8
40°	1028.0	1159.8	1209.9	1254.2	1281.1	1308.0	1281.1	1254.2	1209.9	1159.8	1028.0
42.5°	994.8	1131.7	1190.2	1240.7	1267.6	1294.5	1267.6	1240.7	1190.2	1131.7	994.8
45°	942.2	1086.8	1155.5	1213.4	1238.8	1264.2	1238.8	1213.4	1155.5	1086.8	942.2
47.5°	890.8	1042.5	1115.4	1174.7	1193.3	1211.8	1193.3	1174.7	1115.4	1042.5	890.8
50°	856.3	1011.0	1082.7	1140.2	1155.2	1170.1	1155.2	1140.2	1082.7	1011.0	856.3
52.5°	822.1	977.9	1045.5	1099.6	1113.3	1127.1	1113.3	1099.6	1045.5	977.9	822.1
55°	767.9	922.2	981.3	1028.5	1040.5	1052.4	1040.5	1028.5	981.3	922.2	767.9
57.5°	710.3	859.4	909.7	949.9	959.7	969.4	959.7	949.9	909.7	859.4	710.3
60°	668.2	811.3	856.8	893.5	903.2	912.9	903.2	893.5	856.8	811.3	668.2
62.5°	622.4	758.4	800.4	834.1	843.2	852.4	843.2	834.1	800.4	758.4	622.4
65°	552.7	674.9	710.0	737.9	743.8	749.8	743.8	737.9	710.0	674.9	552.7
67.5°	481.0	583.2	605.0	618.6	607.4	596.1	607.4	618.6	605.0	583.2	481.0
70°	433.4	518.2	525.6	523.2	491.1	459.0	491.1	523.2	525.6	518.2	433.4
72.5°	381.2	443.0	426.6	399.0	338.2	277.4	338.2	399.0	426.6	443.0	381.2
75°	297.4	313.8	242.1	188.7	190.2	191.7	190.2	188.7	242.1	313.8	297.4
77.5°	198.5	211.0	173.0	144.9	146.3	147.6	146.3	144.9	173.0	211.0	198.5
80°	110.2	120.3	118.8	117.9	118.6	119.4	118.6	117.9	118.8	120.3	110.2
82.5°	77.3	84.1	85.6	86.5	85.4	84.4	85.4	86.5	85.6	84.1	77.3
85°	40.2	39.0	33.1	28.2	26.7	25.2	26.7	28.2	33.1	39.0	40.2
87.5°	17.0	18.6	21.3	22.9	24.5	23.7	24.5	22.9	21.3	18.6	17.0
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: P1436011

CATALOG NUMBER: SQ2W-FB-K-125U-075D-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: P1436011

CATALOG NUMBER: SQ2W-FB-K-125U-075D-L840-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	349.7	349.7	349.7	349.7
2.5°	367.2	360.1	353.6	347.0
5°	416.9	384.4	362.0	339.6
7.5°	514.2	417.6	372.1	326.5
10°	605.2	441.4	377.9	314.4
12.5°	675.6	473.4	387.2	300.9
15°	754.3	525.6	402.4	279.1
17.5°	818.0	584.7	420.6	256.5
20°	859.6	626.0	433.2	240.4
22.5°	890.6	656.6	441.1	225.6
25°	924.1	690.8	447.9	205.1
27.5°	928.8	698.4	441.9	185.3
30°	923.0	694.7	433.9	173.2
32.5°	911.8	686.3	424.4	162.4
35°	884.9	661.8	404.0	146.3
37.5°	844.3	623.5	378.0	132.5
40°	814.3	595.1	359.8	124.4
42.5°	779.3	562.0	339.2	116.3
45°	721.8	506.4	306.2	105.9
47.5°	660.4	444.1	270.1	96.2
50°	618.7	401.6	246.2	90.8
52.5°	577.9	360.4	222.9	85.4
55°	518.4	303.2	191.1	79.0
57.5°	462.5	254.1	163.7	73.3
60°	427.6	227.5	149.1	70.6
62.5°	392.6	203.2	134.9	66.6
65°	343.5	172.8	117.5	62.2
67.5°	298.6	150.0	103.1	56.2
70°	271.2	138.8	95.5	52.1
72.5°	241.2	126.5	88.0	49.4
75°	192.8	106.5	75.1	43.7
77.5°	135.6	82.6	59.1	35.6
80°	88.5	67.6	48.9	30.3
82.5°	65.2	52.7	38.8	24.9
85°	36.4	31.6	23.3	15.1
87.5°	17.4	15.7	11.1	6.6
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: P1436011

CATALOG NUMBER: SQ2W-FB-K-125U-075D-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: P1436011  
 CATALOG NUMBER: SQ2W-FB-K-125U-075D-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	10.94	11.72	11.99	12.78	14.21	20.54	21.32	21.59	22.38	23.81
	3H	11.87	12.57	12.94	13.64	15.09	22.14	22.84	23.20	23.90	25.36
	4H	12.27	12.93	13.34	14.00	15.46	22.31	22.97	23.38	24.04	25.50
	6H	12.52	13.13	13.60	14.20	15.67	22.38	22.99	23.46	24.06	25.54
	8H	12.61	13.19	13.69	14.28	15.74	22.40	22.98	23.48	24.07	25.53
	12H	12.65	13.21	13.75	14.29	15.78	22.37	22.92	23.46	24.01	25.50
4H	2H	15.65	16.31	16.73	17.38	18.84	20.89	21.56	21.97	22.63	24.09
	3H	16.77	17.32	17.86	18.42	19.89	22.77	23.33	23.86	24.42	25.90
	4H	17.05	17.56	18.14	18.64	20.14	22.99	23.50	24.08	24.58	26.08
	6H	17.18	17.61	18.28	18.72	20.21	23.12	23.55	24.22	24.66	26.15
	8H	17.22	17.62	18.32	18.73	20.23	23.16	23.57	24.26	24.67	26.17
	12H	17.22	17.58	18.33	18.70	20.21	23.14	23.51	24.26	24.62	26.13
8H	4H	18.24	18.64	19.34	19.74	21.25	23.07	23.48	24.18	24.58	26.09
	6H	18.49	18.82	19.61	19.97	21.47	23.27	23.60	24.39	24.75	26.25
	8H	18.59	18.88	19.72	20.00	21.52	23.36	23.65	24.49	24.78	26.30
	12H	18.62	18.88	19.76	20.00	21.56	23.36	23.62	24.49	24.74	26.29
12H	4H	18.26	18.62	19.37	19.74	21.25	23.02	23.39	24.14	24.51	26.01
	6H	18.60	18.89	19.73	20.01	21.53	23.25	23.54	24.38	24.67	26.19
	8H	18.73	18.99	19.86	20.11	21.66	23.35	23.60	24.48	24.72	26.28