

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: P1436000

Luminaire Tested: SQ2W-FB-K-100U-125D-L930-UNV-STD-W-WM-4

Issue Date: 3/24/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1436000  
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-100U-125D-L930-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 1000 LUMENS PER FOOT  
Light Source: 3000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

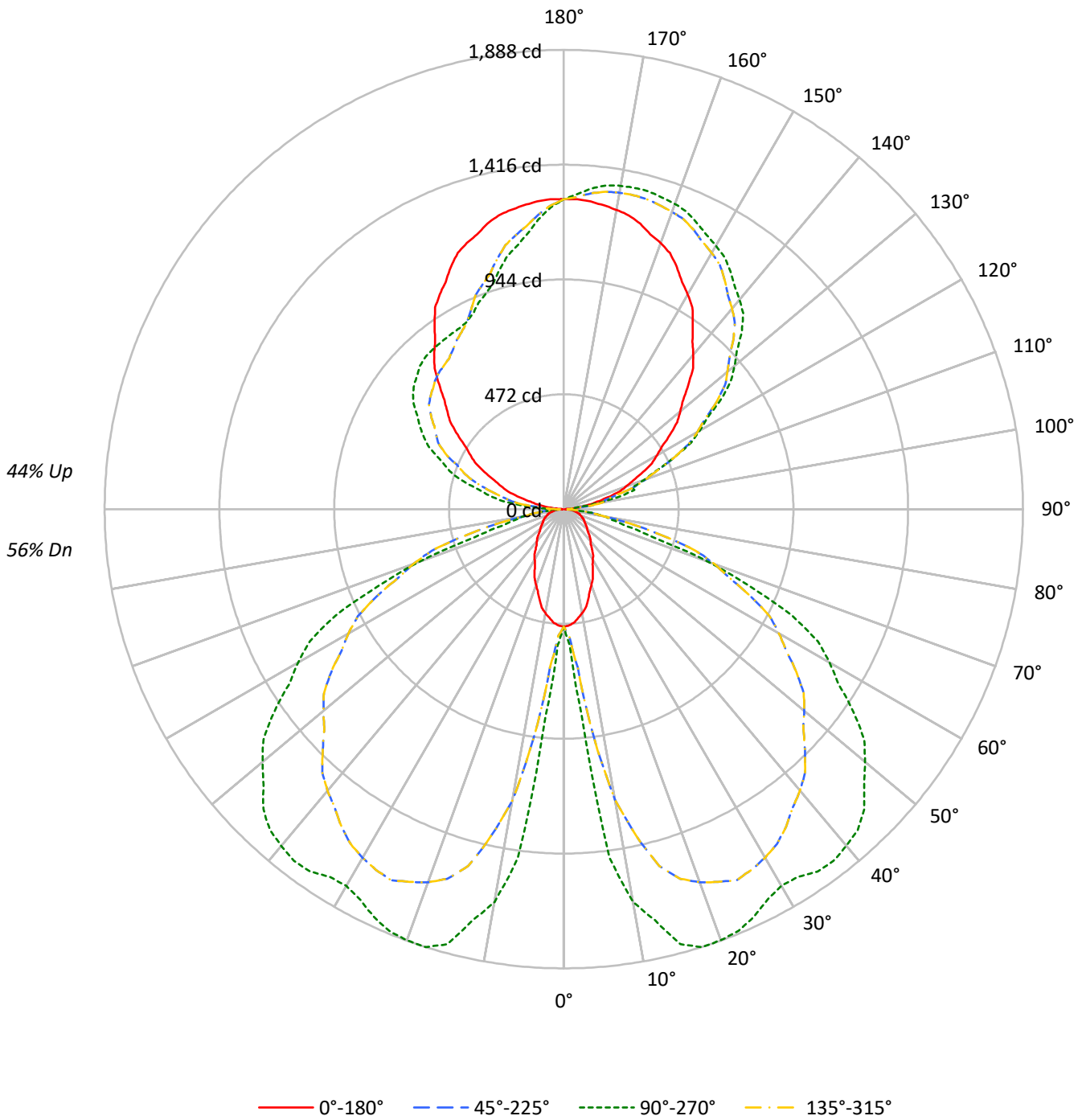
Lumens per Lamp: N/A  
Luminaire Lumens: 8495.6 lumens  
Efficiency: N/A  
Efficacy: 103.2 lumens/watt  
Spacing Criteria (0/90/45): 0.84 / 2.98 / 2.52  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 82.3  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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

TEST NUMBER: P1436000

CATALOG NUMBER: SQ2W-FB-K-100U-125D-L930-UNV-STD-W-WM-4

### Luminous Intensity Polar Plot





TEST NUMBER: P1436000

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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	109	109	109	109	101	101	101	101	87	87	87	74	74	74	62	62	62	56
1	99	95	91	87	92	88	85	81	76	73	71	65	63	61	54	53	52	47
2	90	82	76	70	83	76	71	66	66	62	58	56	53	50	47	45	43	39
3	82	72	64	58	75	67	60	55	58	52	48	49	45	42	41	38	36	32
4	74	63	55	48	69	59	51	46	51	45	41	43	39	35	37	33	30	27
5	68	56	47	41	63	52	45	39	45	39	34	39	34	30	33	29	26	23
6	62	50	41	35	58	47	39	33	40	34	30	35	30	26	29	26	23	20
7	57	45	36	31	53	42	34	29	36	30	26	31	26	23	26	23	20	17
8	53	40	32	27	49	38	31	25	33	27	23	28	24	20	24	20	17	15
9	49	37	29	24	46	34	27	22	30	24	20	26	21	18	22	18	16	13
10	46	34	26	21	43	31	25	20	28	22	18	24	19	16	20	17	14	12

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

	0°	90°	180°	270°
0°	7800	7800	7800	7800
5°	7604	13817	7604	13817
10°	7122	26886	7122	26886
15°	6445	30945	6445	30945
20°	5708	32406	5708	32406
25°	5049	32937	5049	32937
30°	4459	33345	4459	33345
35°	3983	35847	3983	35847
40°	3623	38087	3623	38087
45°	3341	39883	3341	39883
50°	3150	40608	3150	40608
55°	3074	40931	3074	40931
60°	3152	40729	3152	40729
65°	3282	39579	3282	39579
70°	3399	29934	3399	29934
75°	3768	16519	3768	16519
80°	3887	15332	3887	15332
85°	3872	6447	3872	6447

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 52.5°  
 Luminance: 41300 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	80.9	1.0
10°-20°	369.3	4.3
20°-30°	649.9	7.7
30°-40°	841.3	9.9
40°-50°	927.9	10.9
50°-60°	866.0	10.2
60°-70°	669.0	7.9
70°-80°	308.4	3.6
80°-90°	64.2	0.8
90°-100°	101.4	1.2
100°-110°	295.6	3.5
110°-120°	482.4	5.7
120°-130°	612.1	7.2
130°-140°	655.0	7.7
140°-150°	611.6	7.2
150°-160°	503.3	5.9
160°-170°	337.5	4.0
170°-180°	119.8	1.4
0°-30°	1100.2	13.0
0°-40°	1941.5	22.9
0°-60°	3735.4	44.0
0°-90°	4777.0	56.2
90°-120°	879.3	10.4
90°-150°	2758.0	32.5
90°-180°	3719.0	43.8
0°-180°	8495.6	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	483	483	483	483	483	
5°	469	852	469	852	469	44
15°	386	1851	386	1851	386	107
25°	283	1849	283	1849	283	130
35°	202	1819	202	1819	202	127
45°	146	1747	146	1747	146	113
55°	109	1454	109	1454	109	98
65°	86	1036	86	1036	86	84
75°	60	265	60	265	60	62
85°	21	35	21	35	21	22
90°	4	28	4	55	4	4
95°	40	30	40	174	40	48
105°	188	301	188	414	188	200
115°	360	499	360	615	360	355
125°	533	791	533	754	533	477
135°	724	1036	724	835	724	560
145°	925	1194	925	853	925	579
155°	1099	1297	1099	885	1099	505
165°	1214	1352	1214	1019	1214	342
175°	1270	1324	1270	1195	1270	120
180°	1274	1274	1274	1274	1274	



TEST NUMBER: P1436000

CATALOG NUMBER: SQ2W-FB-K-100U-125D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	483.1	483.1	483.1	483.1	483.1	483.1	483.1	483.1	483.1	483.1	483.1
2.5°	479.4	488.5	497.6	507.3	517.2	527.9	539.5	549.4	554.4	559.3	554.4
5°	469.2	500.2	531.1	576.1	625.6	681.9	744.8	798.8	825.6	852.5	825.6
7.5°	451.1	514.1	577.0	710.5	867.4	1030.3	1199.2	1339.3	1393.0	1446.6	1393.0
10°	434.4	522.1	609.9	836.2	1108.7	1318.3	1464.9	1582.1	1611.0	1639.9	1611.0
12.5°	415.8	534.9	654.0	933.5	1266.3	1484.1	1586.9	1671.5	1701.2	1730.9	1701.2
15°	385.6	555.9	726.3	1042.2	1406.6	1630.6	1714.2	1785.2	1818.2	1851.3	1818.2
17.5°	354.5	581.2	807.9	1130.1	1484.2	1702.7	1785.5	1852.0	1870.0	1888.0	1870.0
20°	332.2	598.5	864.9	1187.7	1529.4	1735.9	1807.1	1863.4	1874.8	1886.1	1874.8
22.5°	311.7	609.4	907.2	1230.5	1562.3	1755.1	1809.0	1852.5	1864.6	1876.8	1864.6
25°	283.4	618.9	954.4	1276.8	1594.7	1770.7	1804.8	1832.4	1840.7	1848.9	1840.7
27.5°	256.0	610.5	965.0	1283.3	1589.5	1753.7	1776.0	1794.7	1802.8	1810.9	1802.8
30°	239.2	599.5	959.8	1275.2	1575.6	1734.1	1750.6	1765.8	1777.2	1788.6	1777.2
32.5°	224.4	586.3	948.3	1259.7	1554.4	1709.5	1725.2	1743.1	1767.7	1792.3	1767.7
35°	202.1	558.2	914.4	1222.6	1514.7	1673.2	1698.0	1727.9	1773.3	1818.7	1773.3
37.5°	183.0	522.3	861.5	1166.5	1460.1	1632.8	1684.6	1734.5	1778.2	1822.0	1778.2
40°	171.9	497.1	822.3	1125.0	1420.3	1602.5	1671.6	1732.8	1770.0	1807.1	1770.0
42.5°	160.7	468.6	776.4	1076.7	1374.4	1563.7	1644.4	1714.2	1751.4	1788.6	1751.4
45°	146.3	423.0	699.7	997.3	1301.8	1501.6	1596.5	1676.5	1711.6	1746.7	1711.6
47.5°	132.9	373.2	613.5	912.4	1230.8	1440.3	1541.1	1623.1	1648.7	1674.3	1648.7
50°	125.4	340.2	554.9	854.8	1183.1	1396.8	1495.9	1575.4	1596.0	1616.7	1596.0
52.5°	118.0	308.0	497.9	798.4	1135.8	1351.1	1444.5	1519.2	1538.2	1557.2	1538.2
55°	109.2	264.0	418.9	716.2	1061.0	1274.2	1355.7	1421.0	1437.6	1454.1	1437.6
57.5°	101.3	226.2	351.1	639.1	981.4	1187.4	1256.9	1312.5	1325.9	1339.3	1325.9
60°	97.6	206.0	314.4	590.8	923.2	1120.9	1183.9	1234.4	1247.9	1261.3	1247.9
62.5°	92.0	186.3	280.7	542.4	860.0	1047.8	1105.8	1152.5	1165.1	1177.7	1165.1
65°	85.9	162.3	238.7	474.6	763.7	932.5	981.0	1019.4	1027.7	1036.0	1027.7
67.5°	77.6	142.4	207.2	412.5	664.6	805.8	835.9	854.6	839.1	823.7	839.1
70°	72.0	131.9	191.8	374.7	598.8	715.9	726.3	722.9	678.5	634.1	678.5
72.5°	68.3	121.6	174.8	333.2	526.7	612.1	589.4	551.3	467.3	383.3	467.3
75°	60.4	103.8	147.1	266.3	410.9	433.6	334.5	260.7	262.7	264.8	262.7
77.5°	49.2	81.7	114.1	187.4	274.3	291.5	239.1	200.2	202.1	203.9	202.1
80°	41.8	67.6	93.4	122.3	152.3	166.2	164.1	162.9	163.9	164.9	163.9
82.5°	34.4	53.6	72.8	90.1	106.8	116.2	118.3	119.5	118.0	116.6	118.0
85°	20.9	32.3	43.6	50.3	55.5	53.9	45.7	39.0	36.9	34.8	36.9
87.5°	8.2	13.4	18.8	18.4	15.8	14.4	14.4	14.7	15.0	15.0	15.0
90°	3.9	9.0	15.4	20.6	24.4	25.7	25.7	27.0	28.3	28.3	28.3
92.5°	14.2	22.4	22.6	22.6	27.5	29.8	31.9	32.2	33.4	33.4	33.4
95°	39.9	43.7	65.6	64.3	43.7	34.7	29.6	29.6	29.6	29.6	29.6
97.5°	76.2	81.8	85.4	114.5	120.9	116.8	95.2	80.0	71.5	67.7	71.5
100°	108.1	110.6	118.4	119.6	151.8	182.7	167.2	147.9	141.5	137.6	141.5
102.5°	140.0	141.5	153.3	158.7	166.2	183.7	237.2	231.3	226.9	226.2	226.9
105°	187.8	189.1	211.0	221.3	226.4	226.4	225.1	250.9	292.0	301.0	292.0
107.5°	239.0	244.9	270.7	298.2	304.1	305.7	299.0	295.1	293.6	294.6	293.6
110°	274.0	283.0	313.9	348.6	357.6	360.2	357.6	353.8	351.2	351.2	351.2



TEST NUMBER: P1436000

CATALOG NUMBER: SQ2W-FB-K-100U-125D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	308.0	321.1	356.1	396.0	411.1	418.9	413.2	410.4	407.8	409.9	407.8
115°	360.2	379.5	425.8	467.0	497.9	501.7	500.4	500.4	499.1	499.1	499.1
117.5°	408.6	439.5	491.4	539.3	575.0	585.3	590.5	588.9	587.4	590.0	587.4
120°	442.5	478.6	537.7	591.8	626.5	641.9	647.1	644.5	647.1	644.5	647.1
122.5°	478.6	522.8	581.0	637.0	678.0	695.5	701.6	702.1	702.7	701.1	702.7
125°	532.6	586.6	654.8	712.7	755.1	775.7	780.9	782.2	784.7	791.2	784.7
127.5°	587.1	648.4	723.2	779.1	822.6	847.5	855.5	858.3	863.7	866.6	863.7
130°	625.2	694.7	770.6	823.3	865.8	892.8	906.9	910.8	917.2	916.0	917.2
132.5°	665.4	737.9	814.8	869.6	909.0	938.1	950.2	961.2	963.5	965.4	963.5
135°	724.3	802.7	879.9	934.0	971.3	999.6	1015.0	1025.3	1031.7	1035.6	1031.7
137.5°	786.3	869.1	943.2	991.3	1028.9	1053.3	1070.8	1081.6	1088.3	1091.4	1088.3
140°	828.5	908.2	980.3	1030.4	1063.9	1088.3	1103.8	1116.6	1124.4	1124.4	1124.4
142.5°	868.6	947.3	1017.3	1067.5	1096.8	1119.2	1135.7	1145.5	1154.2	1154.2	1154.2
145°	925.0	1003.4	1067.8	1117.9	1142.4	1162.9	1181.0	1188.7	1193.8	1193.8	1193.8
147.5°	983.9	1053.3	1112.0	1160.1	1180.7	1204.9	1219.0	1225.2	1231.6	1228.8	1231.6
150°	1018.9	1083.2	1139.8	1184.8	1205.4	1228.6	1242.7	1247.9	1254.3	1250.4	1254.3
152.5°	1052.8	1114.1	1165.5	1207.5	1225.0	1248.1	1264.3	1269.5	1273.8	1271.0	1273.8
155°	1098.6	1152.7	1200.3	1238.8	1254.3	1276.2	1291.6	1298.0	1303.2	1296.7	1303.2
157.5°	1139.5	1186.1	1227.5	1263.0	1279.5	1298.3	1312.7	1320.7	1325.8	1323.0	1325.8
160°	1164.2	1206.7	1244.0	1277.4	1292.9	1309.6	1325.0	1334.0	1339.2	1335.3	1339.2
162.5°	1184.8	1223.2	1258.4	1288.8	1302.1	1316.8	1335.3	1343.3	1348.5	1343.6	1348.5
165°	1214.4	1245.3	1276.2	1301.9	1313.5	1325.0	1344.3	1353.3	1357.2	1352.1	1357.2
167.5°	1236.8	1260.5	1285.4	1307.5	1316.0	1327.4	1346.7	1354.1	1359.0	1352.6	1359.0
170°	1249.1	1269.7	1291.6	1309.6	1316.0	1326.3	1345.6	1352.1	1355.9	1349.5	1355.9
172.5°	1259.4	1274.9	1292.6	1308.6	1311.9	1320.2	1338.4	1344.9	1347.7	1342.3	1347.7
175°	1269.7	1278.7	1291.6	1301.9	1300.6	1305.7	1321.2	1326.3	1331.5	1323.8	1331.5
177.5°	1274.6	1278.7	1282.8	1289.0	1284.9	1284.9	1296.2	1299.3	1300.3	1296.2	1300.3
180°	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6



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**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	483.1	483.1	483.1	483.1	483.1	483.1	483.1	483.1	483.1	483.1	483.1
2.5°	549.4	539.5	527.9	517.2	507.3	497.6	488.5	479.4	488.5	497.6	507.3
5°	798.8	744.8	681.9	625.6	576.1	531.1	500.2	469.2	500.2	531.1	576.1
7.5°	1339.3	1199.2	1030.3	867.4	710.5	577.0	514.1	451.1	514.1	577.0	710.5
10°	1582.1	1464.9	1318.3	1108.7	836.2	609.9	522.1	434.4	522.1	609.9	836.2
12.5°	1671.5	1586.9	1484.1	1266.3	933.5	654.0	534.9	415.8	534.9	654.0	933.5
15°	1785.2	1714.2	1630.6	1406.6	1042.2	726.3	555.9	385.6	555.9	726.3	1042.2
17.5°	1852.0	1785.5	1702.7	1484.2	1130.1	807.9	581.2	354.5	581.2	807.9	1130.1
20°	1863.4	1807.1	1735.9	1529.4	1187.7	864.9	598.5	332.2	598.5	864.9	1187.7
22.5°	1852.5	1809.0	1755.1	1562.3	1230.5	907.2	609.4	311.7	609.4	907.2	1230.5
25°	1832.4	1804.8	1770.7	1594.7	1276.8	954.4	618.9	283.4	618.9	954.4	1276.8
27.5°	1794.7	1776.0	1753.7	1589.5	1283.3	965.0	610.5	256.0	610.5	965.0	1283.3
30°	1765.8	1750.6	1734.1	1575.6	1275.2	959.8	599.5	239.2	599.5	959.8	1275.2
32.5°	1743.1	1725.2	1709.5	1554.4	1259.7	948.3	586.3	224.4	586.3	948.3	1259.7
35°	1727.9	1698.0	1673.2	1514.7	1222.6	914.4	558.2	202.1	558.2	914.4	1222.6
37.5°	1734.5	1684.6	1632.8	1460.1	1166.5	861.5	522.3	183.0	522.3	861.5	1166.5
40°	1732.8	1671.6	1602.5	1420.3	1125.0	822.3	497.1	171.9	497.1	822.3	1125.0
42.5°	1714.2	1644.4	1563.7	1374.4	1076.7	776.4	468.6	160.7	468.6	776.4	1076.7
45°	1676.5	1596.5	1501.6	1301.8	997.3	699.7	423.0	146.3	423.0	699.7	997.3
47.5°	1623.1	1541.1	1440.3	1230.8	912.4	613.5	373.2	132.9	373.2	613.5	912.4
50°	1575.4	1495.9	1396.8	1183.1	854.8	554.9	340.2	125.4	340.2	554.9	854.8
52.5°	1519.2	1444.5	1351.1	1135.8	798.4	497.9	308.0	118.0	308.0	497.9	798.4
55°	1421.0	1355.7	1274.2	1061.0	716.2	418.9	264.0	109.2	264.0	418.9	716.2
57.5°	1312.5	1256.9	1187.4	981.4	639.1	351.1	226.2	101.3	226.2	351.1	639.1
60°	1234.4	1183.9	1120.9	923.2	590.8	314.4	206.0	97.6	206.0	314.4	590.8
62.5°	1152.5	1105.8	1047.8	860.0	542.4	280.7	186.3	92.0	186.3	280.7	542.4
65°	1019.4	981.0	932.5	763.7	474.6	238.7	162.3	85.9	162.3	238.7	474.6
67.5°	854.6	835.9	805.8	664.6	412.5	207.2	142.4	77.6	142.4	207.2	412.5
70°	722.9	726.3	715.9	598.8	374.7	191.8	131.9	72.0	131.9	191.8	374.7
72.5°	551.3	589.4	612.1	526.7	333.2	174.8	121.6	68.3	121.6	174.8	333.2
75°	260.7	334.5	433.6	410.9	266.3	147.1	103.8	60.4	103.8	147.1	266.3
77.5°	200.2	239.1	291.5	274.3	187.4	114.1	81.7	49.2	81.7	114.1	187.4
80°	162.9	164.1	166.2	152.3	122.3	93.4	67.6	41.8	67.6	93.4	122.3
82.5°	119.5	118.3	116.2	106.8	90.1	72.8	53.6	34.4	53.6	72.8	90.1
85°	39.0	45.7	53.9	55.5	50.3	43.6	32.3	20.9	32.3	43.6	50.3
87.5°	14.7	14.4	14.4	15.8	18.4	18.8	13.4	8.2	13.4	18.5	18.9
90°	27.0	25.7	25.7	24.4	20.6	15.4	9.0	3.9	9.0	14.2	23.2
92.5°	32.2	31.9	29.8	27.5	22.6	22.6	22.4	14.2	24.4	34.7	49.9
95°	29.6	29.6	34.7	43.7	64.3	65.6	43.7	39.9	56.6	79.8	100.3
97.5°	80.0	95.2	116.8	120.9	114.5	85.4	81.8	76.2	103.7	126.6	159.8
100°	147.9	167.2	182.7	151.8	119.6	118.4	110.6	108.1	137.6	159.5	191.7
102.5°	231.3	237.2	183.7	166.2	158.7	153.3	141.5	140.0	169.6	199.7	226.7
105°	250.9	225.1	226.4	226.4	221.3	211.0	189.1	187.8	221.3	256.0	289.5
107.5°	295.1	299.0	305.7	304.1	298.2	270.7	244.9	239.0	269.1	310.8	347.6
110°	353.8	357.6	360.2	357.6	348.6	313.9	283.0	274.0	301.0	344.8	384.6



TEST NUMBER: P1436000

CATALOG NUMBER: SQ2W-FB-K-100U-125D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	410.4	413.2	418.9	411.1	396.0	356.1	321.1	308.0	335.0	379.8	420.7
115°	500.4	500.4	501.7	497.9	467.0	425.8	379.5	360.2	383.4	424.5	469.6
117.5°	588.9	590.5	585.3	575.0	539.3	491.4	439.5	408.6	426.8	470.3	516.6
120°	644.5	647.1	641.9	626.5	591.8	537.7	478.6	442.5	456.7	499.1	545.5
122.5°	702.1	701.6	695.5	678.0	637.0	581.0	522.8	478.6	484.5	523.8	569.1
125°	782.2	780.9	775.7	755.1	712.7	654.8	586.6	532.6	524.9	558.3	604.6
127.5°	858.3	855.5	847.5	822.6	779.1	723.2	648.4	587.1	569.9	591.0	633.4
130°	910.8	906.9	892.8	865.8	823.3	770.6	694.7	625.2	600.8	613.6	650.9
132.5°	961.2	950.2	938.1	909.0	869.6	814.8	737.9	665.4	631.6	637.3	666.4
135°	1025.3	1015.0	999.6	971.3	934.0	879.9	802.7	724.3	678.0	672.8	689.5
137.5°	1081.6	1070.8	1053.3	1028.9	991.3	943.2	869.1	786.3	727.9	710.6	717.1
140°	1116.6	1103.8	1088.3	1063.9	1030.4	980.3	908.2	828.5	762.9	738.4	734.6
142.5°	1145.5	1135.7	1119.2	1096.8	1067.5	1017.3	947.3	868.6	798.9	767.2	758.2
145°	1188.7	1181.0	1162.9	1142.4	1117.9	1067.8	1003.4	925.0	855.5	814.3	795.0
147.5°	1225.2	1219.0	1204.9	1180.7	1160.1	1112.0	1053.3	983.9	912.6	861.7	836.7
150°	1247.9	1242.7	1228.6	1205.4	1184.8	1139.8	1083.2	1018.9	950.7	896.7	864.5
152.5°	1269.5	1264.3	1248.1	1225.0	1207.5	1165.5	1114.1	1052.8	983.6	929.6	896.4
155°	1298.0	1291.6	1276.2	1254.3	1238.8	1200.3	1152.7	1098.6	1039.4	982.8	945.5
157.5°	1320.7	1312.7	1298.3	1279.5	1263.0	1227.5	1186.1	1139.5	1087.8	1033.8	995.7
160°	1334.0	1325.0	1309.6	1292.9	1277.4	1244.0	1206.7	1164.2	1116.6	1067.8	1026.6
162.5°	1343.3	1335.3	1316.8	1302.1	1288.8	1258.4	1223.2	1184.8	1142.4	1099.7	1061.6
165°	1353.3	1344.3	1325.0	1313.5	1301.9	1276.2	1245.3	1214.4	1178.4	1143.7	1112.8
167.5°	1354.1	1346.7	1327.4	1316.0	1307.5	1285.4	1260.5	1236.8	1208.7	1181.5	1155.7
170°	1352.1	1345.6	1326.3	1316.0	1309.6	1291.6	1269.7	1249.1	1227.3	1204.1	1183.5
172.5°	1344.9	1338.4	1320.2	1311.9	1308.6	1292.6	1274.9	1259.4	1240.7	1223.7	1207.2
175°	1326.3	1321.2	1305.7	1300.6	1301.9	1291.6	1278.7	1269.7	1258.1	1247.9	1238.8
177.5°	1299.3	1296.2	1284.9	1284.9	1289.0	1282.8	1278.7	1274.6	1269.5	1266.4	1263.3
180°	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6



TEST NUMBER: P1436000

CATALOG NUMBER: SQ2W-FB-K-100U-125D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	483.1	483.1	483.1	483.1	483.1	483.1	483.1	483.1	483.1	483.1	483.1
2.5°	517.2	527.9	539.5	549.4	554.4	559.3	554.4	549.4	539.5	527.9	517.2
5°	625.6	681.9	744.8	798.8	825.6	852.5	825.6	798.8	744.8	681.9	625.6
7.5°	867.4	1030.3	1199.2	1339.3	1393.0	1446.6	1393.0	1339.3	1199.2	1030.3	867.4
10°	1108.7	1318.3	1464.9	1582.1	1611.0	1639.9	1611.0	1582.1	1464.9	1318.3	1108.7
12.5°	1266.3	1484.1	1586.9	1671.5	1701.2	1730.9	1701.2	1671.5	1586.9	1484.1	1266.3
15°	1406.6	1630.6	1714.2	1785.2	1818.2	1851.3	1818.2	1785.2	1714.2	1630.6	1406.6
17.5°	1484.2	1702.7	1785.5	1852.0	1870.0	1888.0	1870.0	1852.0	1785.5	1702.7	1484.2
20°	1529.4	1735.9	1807.1	1863.4	1874.8	1886.1	1874.8	1863.4	1807.1	1735.9	1529.4
22.5°	1562.3	1755.1	1809.0	1852.5	1864.6	1876.8	1864.6	1852.5	1809.0	1755.1	1562.3
25°	1594.7	1770.7	1804.8	1832.4	1840.7	1848.9	1840.7	1832.4	1804.8	1770.7	1594.7
27.5°	1589.5	1753.7	1776.0	1794.7	1802.8	1810.9	1802.8	1794.7	1776.0	1753.7	1589.5
30°	1575.6	1734.1	1750.6	1765.8	1777.2	1788.6	1777.2	1765.8	1750.6	1734.1	1575.6
32.5°	1554.4	1709.5	1725.2	1743.1	1767.7	1792.3	1767.7	1743.1	1725.2	1709.5	1554.4
35°	1514.7	1673.2	1698.0	1727.9	1773.3	1818.7	1773.3	1727.9	1698.0	1673.2	1514.7
37.5°	1460.1	1632.8	1684.6	1734.5	1778.2	1822.0	1778.2	1734.5	1684.6	1632.8	1460.1
40°	1420.3	1602.5	1671.6	1732.8	1770.0	1807.1	1770.0	1732.8	1671.6	1602.5	1420.3
42.5°	1374.4	1563.7	1644.4	1714.2	1751.4	1788.6	1751.4	1714.2	1644.4	1563.7	1374.4
45°	1301.8	1501.6	1596.5	1676.5	1711.6	1746.7	1711.6	1676.5	1596.5	1501.6	1301.8
47.5°	1230.8	1440.3	1541.1	1623.1	1648.7	1674.3	1648.7	1623.1	1541.1	1440.3	1230.8
50°	1183.1	1396.8	1495.9	1575.4	1596.0	1616.7	1596.0	1575.4	1495.9	1396.8	1183.1
52.5°	1135.8	1351.1	1444.5	1519.2	1538.2	1557.2	1538.2	1519.2	1444.5	1351.1	1135.8
55°	1061.0	1274.2	1355.7	1421.0	1437.6	1454.1	1437.6	1421.0	1355.7	1274.2	1061.0
57.5°	981.4	1187.4	1256.9	1312.5	1325.9	1339.3	1325.9	1312.5	1256.9	1187.4	981.4
60°	923.2	1120.9	1183.9	1234.4	1247.9	1261.3	1247.9	1234.4	1183.9	1120.9	923.2
62.5°	860.0	1047.8	1105.8	1152.5	1165.1	1177.7	1165.1	1152.5	1105.8	1047.8	860.0
65°	763.7	932.5	981.0	1019.4	1027.7	1036.0	1027.7	1019.4	981.0	932.5	763.7
67.5°	664.6	805.8	835.9	854.6	839.1	823.7	839.1	854.6	835.9	805.8	664.6
70°	598.8	715.9	726.3	722.9	678.5	634.1	678.5	722.9	726.3	715.9	598.8
72.5°	526.7	612.1	589.4	551.3	467.3	383.3	467.3	551.3	589.4	612.1	526.7
75°	410.9	433.6	334.5	260.7	262.7	264.8	262.7	260.7	334.5	433.6	410.9
77.5°	274.3	291.5	239.1	200.2	202.1	203.9	202.1	200.2	239.1	291.5	274.3
80°	152.3	166.2	164.1	162.9	163.9	164.9	163.9	162.9	164.1	166.2	152.3
82.5°	106.8	116.2	118.3	119.5	118.0	116.6	118.0	119.5	118.3	116.2	106.8
85°	55.5	53.9	45.7	39.0	36.9	34.8	36.9	39.0	45.7	53.9	55.5
87.5°	16.9	17.0	18.8	19.8	20.9	20.4	20.9	19.8	18.8	17.0	16.9
90°	29.6	38.6	47.6	52.7	57.9	55.3	57.9	52.7	47.6	38.6	29.6
92.5°	59.4	74.6	85.7	94.9	99.1	98.5	99.1	94.9	85.7	74.6	59.4
95°	119.6	137.6	155.7	168.5	176.2	173.7	176.2	168.5	155.7	137.6	119.6
97.5°	184.5	208.7	228.7	240.8	248.5	253.7	248.5	240.8	228.7	208.7	184.5
100°	227.7	250.9	274.0	288.2	301.0	306.2	301.0	288.2	274.0	250.9	227.7
102.5°	262.7	293.1	318.3	333.4	344.3	349.4	344.3	318.3	293.1	262.7	262.7
105°	320.3	352.5	379.5	398.8	410.4	414.2	410.4	398.8	379.5	352.5	320.3
107.5°	378.0	411.1	436.1	457.5	471.6	479.8	471.6	457.5	436.1	411.1	378.0
110°	423.2	450.3	477.3	496.6	510.7	515.9	510.7	496.6	477.3	450.3	423.2



TEST NUMBER: P1436000

CATALOG NUMBER: SQ2W-FB-K-100U-125D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	461.3	491.4	518.4	537.7	553.9	561.1	553.9	537.7	518.4	491.4	461.3
115°	514.6	554.5	578.9	596.9	608.5	614.9	608.5	596.9	578.9	554.5	514.6
117.5°	558.8	600.5	627.3	641.2	646.6	651.2	646.6	641.2	627.3	600.5	558.8
120°	586.6	625.2	656.1	674.1	680.5	683.1	680.5	674.1	656.1	625.2	586.6
122.5°	612.3	648.9	678.7	700.9	711.4	714.0	711.4	700.9	678.7	648.9	612.3
125°	648.4	683.1	714.0	735.8	747.4	753.9	747.4	735.8	714.0	683.1	648.4
127.5°	679.8	717.3	745.6	765.4	776.8	781.9	776.8	765.4	745.6	717.3	679.8
130°	697.3	735.8	764.1	786.0	796.3	801.5	796.3	786.0	764.1	735.8	697.3
132.5°	710.6	751.3	780.6	800.4	811.7	816.9	811.7	800.4	780.6	751.3	710.6
135°	726.8	769.3	800.2	819.5	829.8	834.9	829.8	819.5	800.2	769.3	726.8
137.5°	741.0	779.6	811.7	832.1	841.3	844.7	841.3	832.1	811.7	779.6	741.0
140°	751.3	784.7	816.9	836.2	846.5	847.8	846.5	836.2	816.9	784.7	751.3
142.5°	764.7	790.9	819.0	838.2	848.5	850.9	848.5	838.2	819.0	790.9	764.7
145°	788.6	804.0	823.3	841.3	850.3	852.9	850.3	841.3	823.3	804.0	788.6
147.5°	818.7	823.6	833.6	845.5	854.2	856.0	854.2	845.5	833.6	823.6	818.7
150°	841.3	840.1	843.9	851.6	859.3	858.1	859.3	851.6	843.9	840.1	841.3
152.5°	867.1	859.6	859.3	862.9	866.6	866.3	866.6	862.9	859.3	859.6	867.1
155°	910.8	896.7	888.9	886.4	886.4	885.1	886.4	886.4	888.9	896.7	910.8
157.5°	958.9	939.1	927.5	921.4	919.6	916.7	919.6	921.4	927.5	939.1	958.9
160°	991.9	970.0	958.4	948.1	944.3	940.4	944.3	948.1	958.4	970.0	991.9
162.5°	1022.7	1001.9	989.3	980.0	976.2	970.2	976.2	980.0	989.3	1001.9	1022.7
165°	1072.9	1051.0	1036.9	1029.2	1024.0	1018.9	1024.0	1029.2	1036.9	1051.0	1072.9
167.5°	1123.1	1099.1	1089.9	1081.1	1076.2	1067.0	1076.2	1081.1	1089.9	1099.1	1123.1
170°	1153.9	1132.1	1126.9	1119.2	1110.2	1099.9	1110.2	1119.2	1126.9	1132.1	1153.9
172.5°	1180.7	1166.0	1160.9	1153.2	1150.3	1142.1	1150.3	1153.2	1160.9	1166.0	1180.7
175°	1219.6	1208.0	1208.0	1206.7	1202.8	1195.1	1202.8	1206.7	1208.0	1208.0	1219.6
177.5°	1252.0	1245.8	1249.9	1249.9	1248.9	1241.7	1248.9	1249.9	1249.9	1245.8	1252.0
180°	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6



TEST NUMBER: P1436000

CATALOG NUMBER: SQ2W-FB-K-100U-125D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	483.1	483.1	483.1	483.1
2.5°	507.3	497.6	488.5	479.4
5°	576.1	531.1	500.2	469.2
7.5°	710.5	577.0	514.1	451.1
10°	836.2	609.9	522.1	434.4
12.5°	933.5	654.0	534.9	415.8
15°	1042.2	726.3	555.9	385.6
17.5°	1130.1	807.9	581.2	354.5
20°	1187.7	864.9	598.5	332.2
22.5°	1230.5	907.2	609.4	311.7
25°	1276.8	954.4	618.9	283.4
27.5°	1283.3	965.0	610.5	256.0
30°	1275.2	959.8	599.5	239.2
32.5°	1259.7	948.3	586.3	224.4
35°	1222.6	914.4	558.2	202.1
37.5°	1166.5	861.5	522.3	183.0
40°	1125.0	822.3	497.1	171.9
42.5°	1076.7	776.4	468.6	160.7
45°	997.3	699.7	423.0	146.3
47.5°	912.4	613.5	373.2	132.9
50°	854.8	554.9	340.2	125.4
52.5°	798.4	497.9	308.0	118.0
55°	716.2	418.9	264.0	109.2
57.5°	639.1	351.1	226.2	101.3
60°	590.8	314.4	206.0	97.6
62.5°	542.4	280.7	186.3	92.0
65°	474.6	238.7	162.3	85.9
67.5°	412.5	207.2	142.4	77.6
70°	374.7	191.8	131.9	72.0
72.5°	333.2	174.8	121.6	68.3
75°	266.3	147.1	103.8	60.4
77.5°	187.4	114.1	81.7	49.2
80°	122.3	93.4	67.6	41.8
82.5°	90.1	72.8	53.6	34.4
85°	50.3	43.6	32.3	20.9
87.5°	18.9	18.5	13.4	8.2
90°	23.2	14.2	9.0	3.9
92.5°	49.9	34.7	24.4	14.2
95°	100.3	79.8	56.6	39.9
97.5°	159.8	126.6	103.7	76.2
100°	191.7	159.5	137.6	108.1
102.5°	226.7	199.7	169.6	140.0
105°	289.5	256.0	221.3	187.8
107.5°	347.6	310.8	269.1	239.0
110°	384.6	344.8	301.0	274.0



TEST NUMBER: P1436000

CATALOG NUMBER: SQ2W-FB-K-100U-125D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
112.5°	420.7	379.8	335.0	308.0
115°	469.6	424.5	383.4	360.2
117.5°	516.6	470.3	426.8	408.6
120°	545.5	499.1	456.7	442.5
122.5°	569.1	523.8	484.5	478.6
125°	604.6	558.3	524.9	532.6
127.5°	633.4	591.0	569.9	587.1
130°	650.9	613.6	600.8	625.2
132.5°	666.4	637.3	631.6	665.4
135°	689.5	672.8	678.0	724.3
137.5°	717.1	710.6	727.9	786.3
140°	734.6	738.4	762.9	828.5
142.5°	758.2	767.2	798.9	868.6
145°	795.0	814.3	855.5	925.0
147.5°	836.7	861.7	912.6	983.9
150°	864.5	896.7	950.7	1018.9
152.5°	896.4	929.6	983.6	1052.8
155°	945.5	982.8	1039.4	1098.6
157.5°	995.7	1033.8	1087.8	1139.5
160°	1026.6	1067.8	1116.6	1164.2
162.5°	1061.6	1099.7	1142.4	1184.8
165°	1112.8	1143.7	1178.4	1214.4
167.5°	1155.7	1181.5	1208.7	1236.8
170°	1183.5	1204.1	1227.3	1249.1
172.5°	1207.2	1223.7	1240.7	1259.4
175°	1238.8	1247.9	1258.1	1269.7
177.5°	1263.3	1266.4	1269.5	1274.6
180°	1273.6	1273.6	1273.6	1273.6



TEST NUMBER: P1436000  
 CATALOG NUMBER: SQ2W-FB-K-100U-125D-L930-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	13.86	14.81	14.76	15.73	16.91	23.46	24.41	24.35	25.33	26.51
	3H	14.81	15.66	15.72	16.59	17.79	25.07	25.93	25.98	26.86	28.06
	4H	15.21	16.02	16.13	16.95	18.16	25.25	26.06	26.18	27.00	28.21
	6H	15.47	16.21	16.41	17.16	18.38	25.33	26.08	26.27	27.02	28.24
	8H	15.57	16.27	16.51	17.23	18.46	25.35	26.06	26.30	27.02	28.24
	12H	15.62	16.29	16.57	17.24	18.49	25.33	26.01	26.28	26.96	28.21
4H	2H	18.59	19.40	19.52	20.34	21.55	23.84	24.64	24.76	25.58	26.79
	3H	19.73	20.40	20.67	21.37	22.60	25.73	26.41	26.67	27.37	28.60
	4H	20.02	20.63	20.97	21.59	22.84	25.96	26.57	26.91	27.53	28.78
	6H	20.16	20.69	21.12	21.67	22.92	26.10	26.62	27.06	27.61	28.86
	8H	20.20	20.69	21.17	21.67	22.94	26.14	26.64	27.11	27.61	28.88
	12H	20.21	20.65	21.19	21.65	22.92	26.13	26.57	27.11	27.57	28.84
8H	4H	21.22	21.71	22.18	22.69	23.95	26.06	26.55	27.02	27.53	28.79
	6H	21.48	21.89	22.47	22.91	24.17	26.26	26.67	27.25	27.69	28.95
	8H	21.58	21.94	22.58	22.95	24.23	26.35	26.71	27.35	27.72	29.00
	12H	21.63	21.94	22.63	22.94	24.27	26.36	26.68	27.36	27.68	29.00
12H	4H	21.25	21.69	22.23	22.69	23.96	26.01	26.46	27.00	27.45	28.72
	6H	21.59	21.95	22.59	22.96	24.24	26.24	26.60	27.24	27.61	28.89
	8H	21.73	22.05	22.73	23.05	24.37	26.35	26.66	27.35	27.66	28.99