

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: P1436019

Luminaire Tested: SQ2W-FB-K-125U-100D-L935-UNV-STD-W-WM-4

Issue Date: 3/24/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1436019  
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-L935-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: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

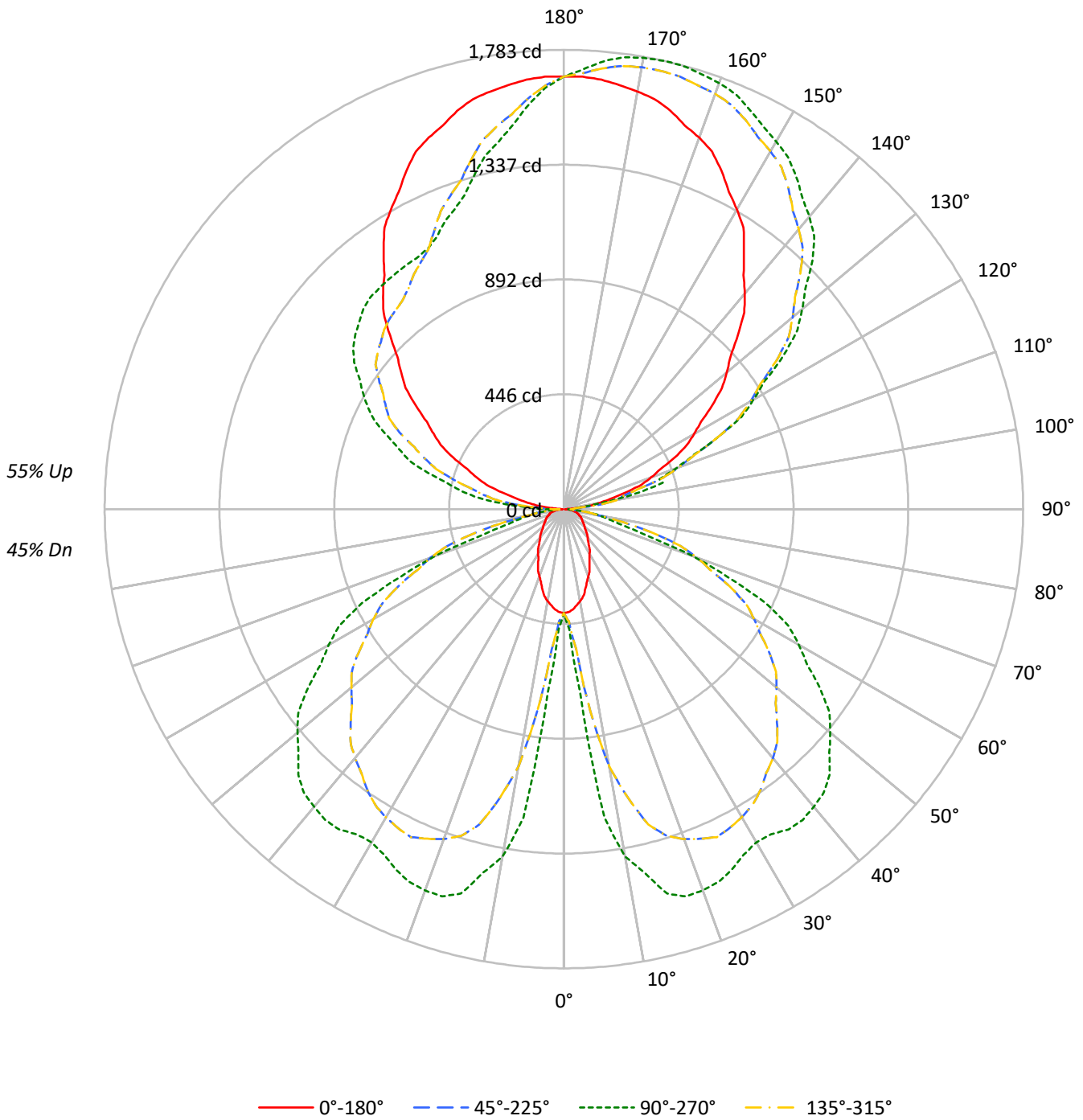
Lumens per Lamp: N/A  
Luminaire Lumens: 8893.4 lumens  
Efficiency: N/A  
Efficacy: 109.0 lumens/watt  
Spacing Criteria (0/90/45): 0.84 / 2.98 / 2.52  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: General Diffuse

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

TEST NUMBER: P1436019

CATALOG NUMBER: SQ2W-FB-K-125U-100D-L935-UNV-STD-W-WM-4

### Luminous Intensity Polar Plot





TEST NUMBER: P1436019

CATALOG NUMBER: SQ2W-FB-K-125U-100D-L935-UNV-STD-W-WM-4

**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°	6513	6513	6513	6513
5°	6350	11536	6350	11536
10°	5946	22449	5946	22449
15°	5382	25838	5382	25838
20°	4766	27060	4766	27060
25°	4215	27504	4215	27504
30°	3725	27844	3725	27844
35°	3325	29934	3325	29934
40°	3024	31804	3024	31804
45°	2790	33305	2790	33305
50°	2630	33907	2630	33907
55°	2567	34178	2567	34178
60°	2632	34009	2632	34009
65°	2743	33046	2743	33046
70°	2837	24996	2837	24996
75°	3144	13793	3144	13793
80°	3245	12803	3245	12803
85°	3242	5391	3242	5391

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 52.5°  
 Luminance: 34487 cd/sqm



TEST NUMBER: P1436019

CATALOG NUMBER: SQ2W-FB-K-125U-100D-L935-UNV-STD-W-WM-4

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	67.6	0.8
10°-20°	308.4	3.5
20°-30°	542.7	6.1
30°-40°	702.5	7.9
40°-50°	774.8	8.7
50°-60°	723.1	8.1
60°-70°	558.7	6.3
70°-80°	257.5	2.9
80°-90°	56.2	0.6
90°-100°	133.6	1.5
100°-110°	389.6	4.4
110°-120°	635.9	7.2
120°-130°	806.9	9.1
130°-140°	863.4	9.7
140°-150°	806.2	9.1
150°-160°	663.4	7.5
160°-170°	444.9	5.0
170°-180°	158.0	1.8
0°-30°	918.7	10.3
0°-40°	1621.2	18.2
0°-60°	3119.1	35.1
0°-90°	3991.4	44.9
90°-120°	1159.2	13.0
90°-150°	3635.7	40.9
90°-180°	4902.0	55.1
0°-180°	8893.4	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	403	403	403	403	403	
5°	392	712	392	712	392	36
15°	322	1546	322	1546	322	90
25°	237	1544	237	1544	237	109
35°	169	1519	169	1519	169	106
45°	122	1459	122	1459	122	95
55°	91	1214	91	1214	91	82
65°	72	865	72	865	72	70
75°	50	221	50	221	50	52
85°	18	29	18	29	18	18
90°	5	37	5	73	5	5
95°	53	39	53	229	53	63
105°	248	397	248	546	248	263
115°	475	658	475	811	475	468
125°	702	1043	702	994	702	628
135°	955	1365	955	1101	955	738
145°	1219	1574	1219	1124	1219	763
155°	1448	1709	1448	1167	1448	666
165°	1601	1782	1601	1343	1601	451
175°	1674	1745	1674	1575	1674	159
180°	1679	1679	1679	1679	1679	



TEST NUMBER: P1436019

CATALOG NUMBER: SQ2W-FB-K-125U-100D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	403.4	403.4	403.4	403.4	403.4	403.4	403.4	403.4	403.4	403.4	403.4
2.5°	400.3	407.9	415.5	423.6	431.9	440.8	450.5	458.8	462.9	467.0	462.9
5°	391.8	417.7	443.5	481.0	522.4	569.4	622.0	667.0	689.4	711.8	689.4
7.5°	376.7	429.2	481.8	593.2	724.3	860.3	1001.3	1118.3	1163.1	1208.0	1163.1
10°	362.7	436.0	509.2	698.2	925.8	1100.8	1223.2	1321.1	1345.2	1369.3	1345.2
12.5°	347.2	446.7	546.1	779.4	1057.4	1239.3	1325.1	1395.7	1420.5	1445.4	1420.5
15°	322.0	464.2	606.4	870.2	1174.5	1361.6	1431.4	1490.7	1518.2	1545.8	1518.2
17.5°	296.0	485.3	674.6	943.7	1239.3	1421.7	1490.9	1546.5	1561.5	1576.5	1561.5
20°	277.4	499.8	722.2	991.8	1277.1	1449.5	1509.0	1556.0	1565.4	1574.9	1565.4
22.5°	260.3	508.9	757.5	1027.5	1304.5	1465.5	1510.5	1546.8	1557.0	1567.2	1557.0
25°	236.6	516.8	796.9	1066.1	1331.6	1478.6	1507.0	1530.1	1537.0	1543.9	1537.0
27.5°	213.7	509.8	805.8	1071.5	1327.2	1464.4	1483.0	1498.6	1505.4	1512.1	1505.4
30°	199.8	500.6	801.5	1064.8	1315.7	1448.0	1461.8	1474.5	1484.0	1493.5	1484.0
32.5°	187.4	489.6	791.8	1051.9	1297.9	1427.5	1440.6	1455.5	1476.1	1496.6	1476.1
35°	168.7	466.1	763.5	1020.9	1264.8	1397.1	1417.8	1442.8	1480.7	1518.7	1480.7
37.5°	152.8	436.1	719.4	974.0	1219.2	1363.4	1406.7	1448.3	1484.8	1521.4	1484.8
40°	143.5	415.1	686.6	939.4	1185.9	1338.1	1395.8	1446.9	1477.9	1509.0	1477.9
42.5°	134.2	391.3	648.3	899.1	1147.7	1305.7	1373.1	1431.4	1462.4	1493.5	1462.4
45°	122.2	353.2	584.2	832.7	1087.0	1253.8	1333.1	1399.9	1429.2	1458.6	1429.2
47.5°	110.9	311.6	512.3	761.9	1027.7	1202.7	1286.8	1355.3	1376.7	1398.0	1376.7
50°	104.7	284.0	463.3	713.8	987.9	1166.3	1249.1	1315.5	1332.7	1349.9	1332.7
52.5°	98.5	257.1	415.8	666.7	948.4	1128.2	1206.2	1268.6	1284.4	1300.3	1284.4
55°	91.2	220.5	349.8	598.0	885.9	1064.0	1132.1	1186.6	1200.4	1214.2	1200.4
57.5°	84.6	188.9	293.2	533.6	819.5	991.5	1049.6	1095.9	1107.1	1118.4	1107.1
60°	81.5	172.0	262.5	493.3	770.9	935.9	988.5	1030.8	1042.0	1053.2	1042.0
62.5°	76.8	155.6	234.4	453.0	718.1	874.9	923.4	962.3	972.8	983.4	972.8
65°	71.8	135.6	199.3	396.3	637.7	778.6	819.1	851.3	858.1	865.0	858.1
67.5°	64.8	118.9	173.1	344.5	555.0	672.8	698.0	713.6	700.7	687.8	700.7
70°	60.1	110.1	160.1	312.9	500.0	597.8	606.4	603.6	566.6	529.5	566.6
72.5°	57.0	101.5	146.0	278.3	439.8	511.1	492.1	460.4	390.2	320.0	390.2
75°	50.4	86.6	122.8	222.4	343.1	362.1	279.3	217.7	219.4	221.1	219.4
77.5°	41.1	68.2	95.3	156.5	229.0	243.4	199.6	167.2	168.7	170.3	168.7
80°	34.9	56.5	78.0	102.2	127.1	138.8	137.1	136.0	136.8	137.7	136.8
82.5°	28.7	44.7	60.8	75.3	89.2	97.1	98.8	99.8	98.6	97.4	98.6
85°	17.5	26.9	36.4	42.0	46.3	45.0	38.1	32.5	30.8	29.1	30.8
87.5°	7.2	12.0	17.2	17.3	15.6	14.5	14.5	14.9	15.2	15.2	15.2
90°	5.1	11.9	20.3	27.1	32.2	33.9	33.9	35.6	37.3	37.3	37.3
92.5°	18.7	29.5	29.8	29.8	36.3	39.3	42.1	42.4	44.1	44.1	44.1
95°	52.6	57.7	86.5	84.8	57.7	45.8	39.0	39.0	39.0	39.0	39.0
97.5°	100.4	107.9	112.6	150.9	159.4	154.0	125.5	105.5	94.3	89.2	94.3
100°	142.4	145.8	156.0	157.7	200.1	240.8	220.5	195.0	186.5	181.5	186.5
102.5°	184.5	186.5	202.1	209.3	219.1	242.2	312.7	304.9	299.1	298.1	299.1
105°	247.6	249.3	278.1	291.7	298.5	298.5	296.8	330.7	385.0	396.8	385.0
107.5°	315.1	322.9	356.8	393.1	400.9	402.9	394.1	389.0	387.0	388.3	387.0
110°	361.2	373.1	413.8	459.6	471.4	474.8	471.4	466.3	463.0	463.0	463.0



TEST NUMBER: P1436019

CATALOG NUMBER: SQ2W-FB-K-125U-100D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	406.0	423.3	469.4	522.0	542.0	552.2	544.7	541.0	537.6	540.3	537.6
115°	474.8	500.3	561.3	615.6	656.3	661.4	659.7	659.7	658.0	658.0	658.0
117.5°	538.6	579.3	647.8	710.9	758.0	771.6	778.4	776.3	774.3	777.7	774.3
120°	583.4	630.8	708.9	780.1	825.9	846.2	853.0	849.6	853.0	849.6	853.0
122.5°	630.8	689.2	765.8	839.8	893.7	916.8	924.9	925.6	926.3	924.2	926.3
125°	702.1	773.3	863.2	939.5	995.4	1022.6	1029.4	1031.1	1034.4	1042.9	1034.4
127.5°	774.0	854.7	953.4	1027.0	1084.3	1117.2	1127.7	1131.4	1138.6	1142.3	1138.6
130°	824.2	915.7	1015.8	1085.3	1141.3	1176.9	1195.6	1200.6	1209.1	1207.4	1209.1
132.5°	877.1	972.7	1074.1	1146.4	1198.3	1236.6	1252.5	1267.1	1270.2	1272.5	1270.2
135°	954.7	1058.2	1159.9	1231.2	1280.3	1317.7	1338.0	1351.6	1360.0	1365.1	1360.0
137.5°	1036.5	1145.7	1243.4	1306.8	1356.3	1388.5	1411.6	1425.8	1434.7	1438.7	1434.7
140°	1092.1	1197.2	1292.2	1358.3	1402.4	1434.7	1455.0	1472.0	1482.1	1482.1	1482.1
142.5°	1145.0	1248.8	1341.1	1407.2	1445.9	1475.4	1497.1	1510.0	1521.5	1521.5	1521.5
145°	1219.3	1322.7	1407.5	1473.7	1505.9	1533.0	1556.8	1566.9	1573.7	1573.7	1573.7
147.5°	1297.0	1388.5	1465.9	1529.3	1556.4	1588.3	1607.0	1615.1	1623.6	1619.8	1623.6
150°	1343.1	1427.9	1502.5	1561.8	1589.0	1619.5	1638.2	1644.9	1653.4	1648.3	1653.4
152.5°	1387.9	1468.6	1536.4	1591.7	1614.8	1645.3	1666.6	1673.4	1679.2	1675.5	1679.2
155°	1448.2	1519.5	1582.2	1633.1	1653.4	1682.3	1702.6	1711.1	1717.9	1709.4	1717.9
157.5°	1502.2	1563.5	1618.1	1665.0	1686.7	1711.4	1730.4	1740.9	1747.7	1744.0	1747.7
160°	1534.7	1590.7	1639.9	1683.9	1704.3	1726.3	1746.7	1758.6	1765.3	1760.3	1765.3
162.5°	1561.8	1612.4	1658.8	1698.9	1716.5	1735.8	1760.3	1770.8	1777.6	1771.1	1777.6
165°	1600.9	1641.6	1682.3	1716.2	1731.4	1746.7	1772.1	1784.0	1789.1	1782.3	1789.1
167.5°	1630.4	1661.6	1694.5	1723.6	1734.8	1749.7	1775.2	1785.0	1791.5	1783.0	1791.5
170°	1646.6	1673.8	1702.6	1726.3	1734.8	1748.4	1773.8	1782.3	1787.4	1778.9	1787.4
172.5°	1660.2	1680.6	1704.0	1725.0	1729.4	1740.2	1764.3	1772.8	1776.5	1769.4	1776.5
175°	1673.8	1685.6	1702.6	1716.2	1714.5	1721.3	1741.6	1748.4	1755.2	1745.0	1755.2
177.5°	1680.2	1685.6	1691.1	1699.2	1693.8	1693.8	1708.7	1712.8	1714.1	1708.7	1714.1
180°	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9



TEST NUMBER: P1436019

CATALOG NUMBER: SQ2W-FB-K-125U-100D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	403.4	403.4	403.4	403.4	403.4	403.4	403.4	403.4	403.4	403.4	403.4
2.5°	458.8	450.5	440.8	431.9	423.6	415.5	407.9	400.3	407.9	415.5	423.6
5°	667.0	622.0	569.4	522.4	481.0	443.5	417.7	391.8	417.7	443.5	481.0
7.5°	1118.3	1001.3	860.3	724.3	593.2	481.8	429.2	376.7	429.2	481.8	593.2
10°	1321.1	1223.2	1100.8	925.8	698.2	509.2	436.0	362.7	436.0	509.2	698.2
12.5°	1395.7	1325.1	1239.3	1057.4	779.4	546.1	446.7	347.2	446.7	546.1	779.4
15°	1490.7	1431.4	1361.6	1174.5	870.2	606.4	464.2	322.0	464.2	606.4	870.2
17.5°	1546.5	1490.9	1421.7	1239.3	943.7	674.6	485.3	296.0	485.3	674.6	943.7
20°	1556.0	1509.0	1449.5	1277.1	991.8	722.2	499.8	277.4	499.8	722.2	991.8
22.5°	1546.8	1510.5	1465.5	1304.5	1027.5	757.5	508.9	260.3	508.9	757.5	1027.5
25°	1530.1	1507.0	1478.6	1331.6	1066.1	796.9	516.8	236.6	516.8	796.9	1066.1
27.5°	1498.6	1483.0	1464.4	1327.2	1071.5	805.8	509.8	213.7	509.8	805.8	1071.5
30°	1474.5	1461.8	1448.0	1315.7	1064.8	801.5	500.6	199.8	500.6	801.5	1064.8
32.5°	1455.5	1440.6	1427.5	1297.9	1051.9	791.8	489.6	187.4	489.6	791.8	1051.9
35°	1442.8	1417.8	1397.1	1264.8	1020.9	763.5	466.1	168.7	466.1	763.5	1020.9
37.5°	1448.3	1406.7	1363.4	1219.2	974.0	719.4	436.1	152.8	436.1	719.4	974.0
40°	1446.9	1395.8	1338.1	1185.9	939.4	686.6	415.1	143.5	415.1	686.6	939.4
42.5°	1431.4	1373.1	1305.7	1147.7	899.1	648.3	391.3	134.2	391.3	648.3	899.1
45°	1399.9	1333.1	1253.8	1087.0	832.7	584.2	353.2	122.2	353.2	584.2	832.7
47.5°	1355.3	1286.8	1202.7	1027.7	761.9	512.3	311.6	110.9	311.6	512.3	761.9
50°	1315.5	1249.1	1166.3	987.9	713.8	463.3	284.0	104.7	284.0	463.3	713.8
52.5°	1268.6	1206.2	1128.2	948.4	666.7	415.8	257.1	98.5	257.1	415.8	666.7
55°	1186.6	1132.1	1064.0	885.9	598.0	349.8	220.5	91.2	220.5	349.8	598.0
57.5°	1095.9	1049.6	991.5	819.5	533.6	293.2	188.9	84.6	188.9	293.2	533.6
60°	1030.8	988.5	935.9	770.9	493.3	262.5	172.0	81.5	172.0	262.5	493.3
62.5°	962.3	923.4	874.9	718.1	453.0	234.4	155.6	76.8	155.6	234.4	453.0
65°	851.3	819.1	778.6	637.7	396.3	199.3	135.6	71.8	135.6	199.3	396.3
67.5°	713.6	698.0	672.8	555.0	344.5	173.1	118.9	64.8	118.9	173.1	344.5
70°	603.6	606.4	597.8	500.0	312.9	160.1	110.1	60.1	110.1	160.1	312.9
72.5°	460.4	492.1	511.1	439.8	278.3	146.0	101.5	57.0	101.5	146.0	278.3
75°	217.7	279.3	362.1	343.1	222.4	122.8	86.6	50.4	86.6	122.8	222.4
77.5°	167.2	199.6	243.4	229.0	156.5	95.3	68.2	41.1	68.2	95.3	156.5
80°	136.0	137.1	138.8	127.1	102.2	78.0	56.5	34.9	56.5	78.0	102.2
82.5°	99.8	98.8	97.1	89.2	75.3	60.8	44.7	28.7	44.7	60.8	75.3
85°	32.5	38.1	45.0	46.3	42.0	36.4	26.9	17.5	26.9	36.4	42.0
87.5°	14.9	14.5	14.5	15.6	17.3	17.2	12.0	7.2	12.0	16.8	18.0
90°	35.6	33.9	33.9	32.2	27.1	20.3	11.9	5.1	11.9	18.7	30.5
92.5°	42.4	42.1	39.3	36.3	29.8	29.8	29.5	18.7	32.2	45.8	65.8
95°	39.0	39.0	45.8	57.7	84.8	86.5	57.7	52.6	74.6	105.1	132.3
97.5°	105.5	125.5	154.0	159.4	150.9	112.6	107.9	100.4	136.7	166.9	210.6
100°	195.0	220.5	240.8	200.1	157.7	156.0	145.8	142.4	181.5	210.3	252.7
102.5°	304.9	312.7	242.2	219.1	209.3	202.1	186.5	184.5	223.5	263.2	298.8
105°	330.7	296.8	298.5	298.5	291.7	278.1	249.3	247.6	291.7	337.5	381.6
107.5°	389.0	394.1	402.9	400.9	393.1	356.8	322.9	315.1	354.8	409.7	458.2
110°	466.3	471.4	474.8	471.4	459.6	413.8	373.1	361.2	396.8	454.5	507.0



TEST NUMBER: P1436019

CATALOG NUMBER: SQ2W-FB-K-125U-100D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	541.0	544.7	552.2	542.0	522.0	469.4	423.3	406.0	441.6	500.6	554.5
115°	659.7	659.7	661.4	656.3	615.6	561.3	500.3	474.8	505.4	559.6	619.0
117.5°	776.3	778.4	771.6	758.0	710.9	647.8	579.3	538.6	562.7	620.0	681.0
120°	849.6	853.0	846.2	825.9	780.1	708.9	630.8	583.4	602.0	658.0	719.0
122.5°	925.6	924.9	916.8	893.7	839.8	765.8	689.2	630.8	638.6	690.5	750.2
125°	1031.1	1029.4	1022.6	995.4	939.5	863.2	773.3	702.1	691.9	736.0	797.0
127.5°	1131.4	1127.7	1117.2	1084.3	1027.0	953.4	854.7	774.0	751.2	779.1	835.0
130°	1200.6	1195.6	1176.9	1141.3	1085.3	1015.8	915.7	824.2	791.9	808.9	858.1
132.5°	1267.1	1252.5	1236.6	1198.3	1146.4	1074.1	972.7	877.1	832.6	840.1	878.4
135°	1351.6	1338.0	1317.7	1280.3	1231.2	1159.9	1058.2	954.7	893.7	886.9	909.0
137.5°	1425.8	1411.6	1388.5	1356.3	1306.8	1243.4	1145.7	1036.5	959.5	936.8	945.2
140°	1472.0	1455.0	1434.7	1402.4	1358.3	1292.2	1197.2	1092.1	1005.6	973.4	968.3
142.5°	1510.0	1497.1	1475.4	1445.9	1407.2	1341.1	1248.8	1145.0	1053.1	1011.4	999.5
145°	1566.9	1556.8	1533.0	1505.9	1473.7	1407.5	1322.7	1219.3	1127.7	1073.5	1048.0
147.5°	1615.1	1607.0	1588.3	1556.4	1529.3	1465.9	1388.5	1297.0	1203.0	1135.9	1103.0
150°	1644.9	1638.2	1619.5	1589.0	1561.8	1502.5	1427.9	1343.1	1253.2	1182.0	1139.6
152.5°	1673.4	1666.6	1645.3	1614.8	1591.7	1536.4	1468.6	1387.9	1296.6	1225.4	1181.6
155°	1711.1	1702.6	1682.3	1653.4	1633.1	1582.2	1519.5	1448.2	1370.2	1295.6	1246.4
157.5°	1740.9	1730.4	1711.4	1686.7	1665.0	1618.1	1563.5	1502.2	1434.0	1362.8	1312.6
160°	1758.6	1746.7	1726.3	1704.3	1683.9	1639.9	1590.7	1534.7	1472.0	1407.5	1353.3
162.5°	1770.8	1760.3	1735.8	1716.5	1698.9	1658.8	1612.4	1561.8	1505.9	1449.6	1399.4
165°	1784.0	1772.1	1746.7	1731.4	1716.2	1682.3	1641.6	1600.9	1553.4	1507.6	1466.9
167.5°	1785.0	1775.2	1749.7	1734.8	1723.6	1694.5	1661.6	1630.4	1593.4	1557.4	1523.5
170°	1782.3	1773.8	1748.4	1734.8	1726.3	1702.6	1673.8	1646.6	1617.8	1587.3	1560.2
172.5°	1772.8	1764.3	1740.2	1729.4	1725.0	1704.0	1680.6	1660.2	1635.4	1613.1	1591.4
175°	1748.4	1741.6	1721.3	1714.5	1716.2	1702.6	1685.6	1673.8	1658.5	1644.9	1633.1
177.5°	1712.8	1708.7	1693.8	1693.8	1699.2	1691.1	1685.6	1680.2	1673.4	1669.4	1665.3
180°	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9



TEST NUMBER: P1436019

CATALOG NUMBER: SQ2W-FB-K-125U-100D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	403.4	403.4	403.4	403.4	403.4	403.4	403.4	403.4	403.4	403.4	403.4
2.5°	431.9	440.8	450.5	458.8	462.9	467.0	462.9	458.8	450.5	440.8	431.9
5°	522.4	569.4	622.0	667.0	689.4	711.8	689.4	667.0	622.0	569.4	522.4
7.5°	724.3	860.3	1001.3	1118.3	1163.1	1208.0	1163.1	1118.3	1001.3	860.3	724.3
10°	925.8	1100.8	1223.2	1321.1	1345.2	1369.3	1345.2	1321.1	1223.2	1100.8	925.8
12.5°	1057.4	1239.3	1325.1	1395.7	1420.5	1445.4	1420.5	1395.7	1325.1	1239.3	1057.4
15°	1174.5	1361.6	1431.4	1490.7	1518.2	1545.8	1518.2	1490.7	1431.4	1361.6	1174.5
17.5°	1239.3	1421.7	1490.9	1546.5	1561.5	1576.5	1561.5	1546.5	1490.9	1421.7	1239.3
20°	1277.1	1449.5	1509.0	1556.0	1565.4	1574.9	1565.4	1556.0	1509.0	1449.5	1277.1
22.5°	1304.5	1465.5	1510.5	1546.8	1557.0	1567.2	1557.0	1546.8	1510.5	1465.5	1304.5
25°	1331.6	1478.6	1507.0	1530.1	1537.0	1543.9	1537.0	1530.1	1507.0	1478.6	1331.6
27.5°	1327.2	1464.4	1483.0	1498.6	1505.4	1512.1	1505.4	1498.6	1483.0	1464.4	1327.2
30°	1315.7	1448.0	1461.8	1474.5	1484.0	1493.5	1484.0	1474.5	1461.8	1448.0	1315.7
32.5°	1297.9	1427.5	1440.6	1455.5	1476.1	1496.6	1476.1	1455.5	1440.6	1427.5	1297.9
35°	1264.8	1397.1	1417.8	1442.8	1480.7	1518.7	1480.7	1442.8	1417.8	1397.1	1264.8
37.5°	1219.2	1363.4	1406.7	1448.3	1484.8	1521.4	1484.8	1448.3	1406.7	1363.4	1219.2
40°	1185.9	1338.1	1395.8	1446.9	1477.9	1509.0	1477.9	1446.9	1395.8	1338.1	1185.9
42.5°	1147.7	1305.7	1373.1	1431.4	1462.4	1493.5	1462.4	1431.4	1373.1	1305.7	1147.7
45°	1087.0	1253.8	1333.1	1399.9	1429.2	1458.6	1429.2	1399.9	1333.1	1253.8	1087.0
47.5°	1027.7	1202.7	1286.8	1355.3	1376.7	1398.0	1376.7	1355.3	1286.8	1202.7	1027.7
50°	987.9	1166.3	1249.1	1315.5	1332.7	1349.9	1332.7	1315.5	1249.1	1166.3	987.9
52.5°	948.4	1128.2	1206.2	1268.6	1284.4	1300.3	1284.4	1268.6	1206.2	1128.2	948.4
55°	885.9	1064.0	1132.1	1186.6	1200.4	1214.2	1200.4	1186.6	1132.1	1064.0	885.9
57.5°	819.5	991.5	1049.6	1095.9	1107.1	1118.4	1107.1	1095.9	1049.6	991.5	819.5
60°	770.9	935.9	988.5	1030.8	1042.0	1053.2	1042.0	1030.8	988.5	935.9	770.9
62.5°	718.1	874.9	923.4	962.3	972.8	983.4	972.8	962.3	923.4	874.9	718.1
65°	637.7	778.6	819.1	851.3	858.1	865.0	858.1	851.3	819.1	778.6	637.7
67.5°	555.0	672.8	698.0	713.6	700.7	687.8	700.7	713.6	698.0	672.8	555.0
70°	500.0	597.8	606.4	603.6	566.6	529.5	566.6	603.6	606.4	597.8	500.0
72.5°	439.8	511.1	492.1	460.4	390.2	320.0	390.2	460.4	492.1	511.1	439.8
75°	343.1	362.1	279.3	217.7	219.4	221.1	219.4	217.7	279.3	362.1	343.1
77.5°	229.0	243.4	199.6	167.2	168.7	170.3	168.7	167.2	199.6	243.4	229.0
80°	127.1	138.8	137.1	136.0	136.8	137.7	136.8	136.0	137.1	138.8	127.1
82.5°	89.2	97.1	98.8	99.8	98.6	97.4	98.6	99.8	98.8	97.1	89.2
85°	46.3	45.0	38.1	32.5	30.8	29.1	30.8	32.5	38.1	45.0	46.3
87.5°	16.9	17.9	20.3	21.7	23.0	22.3	23.0	21.7	20.3	17.9	16.9
90°	39.0	50.9	62.7	69.5	76.3	72.9	76.3	69.5	62.7	50.9	39.0
92.5°	78.3	98.4	112.9	125.2	130.6	129.9	130.6	125.2	112.9	98.4	78.3
95°	157.7	181.5	205.2	222.2	232.3	228.9	232.3	222.2	205.2	181.5	157.7
97.5°	243.2	275.1	301.5	317.5	327.6	334.4	327.6	317.5	301.5	275.1	243.2
100°	300.2	330.7	361.2	379.9	396.8	403.6	396.8	379.9	361.2	330.7	300.2
102.5°	346.3	386.3	419.5	439.6	453.8	460.6	453.8	439.6	419.5	386.3	346.3
105°	422.3	464.7	500.3	525.7	541.0	546.1	541.0	525.7	500.3	464.7	422.3
107.5°	498.2	542.0	574.9	603.0	621.7	632.5	621.7	603.0	574.9	542.0	498.2
110°	557.9	593.5	629.1	654.6	673.2	680.0	673.2	654.6	629.1	593.5	557.9



TEST NUMBER: P1436019

CATALOG NUMBER: SQ2W-FB-K-125U-100D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	608.1	647.8	683.4	708.9	730.2	739.7	730.2	708.9	683.4	647.8	608.1
115°	678.3	730.9	763.1	786.9	802.1	810.6	802.1	786.9	763.1	730.9	678.3
117.5°	736.7	791.6	826.9	845.2	852.3	858.4	852.3	845.2	826.9	791.6	736.7
120°	773.3	824.2	864.9	888.6	897.1	900.5	897.1	888.6	864.9	824.2	773.3
122.5°	807.2	855.4	894.7	923.9	937.8	941.2	937.8	923.9	894.7	855.4	807.2
125°	854.7	900.5	941.2	970.0	985.3	993.7	985.3	970.0	941.2	900.5	854.7
127.5°	896.1	945.6	982.9	1009.0	1023.9	1030.7	1023.9	1009.0	982.9	945.6	896.1
130°	919.1	970.0	1007.3	1036.1	1049.7	1056.5	1049.7	1036.1	1007.3	970.0	919.1
132.5°	936.8	990.4	1029.0	1055.1	1070.1	1076.8	1070.1	1055.1	1029.0	990.4	936.8
135°	958.1	1014.1	1054.8	1080.2	1093.8	1100.6	1093.8	1080.2	1054.8	1014.1	958.1
137.5°	976.8	1027.7	1070.1	1096.9	1109.1	1113.5	1109.1	1096.9	1070.1	1027.7	976.8
140°	990.4	1034.4	1076.8	1102.3	1115.8	1117.5	1115.8	1102.3	1076.8	1034.4	990.4
142.5°	1008.0	1042.6	1079.6	1105.0	1118.6	1121.6	1118.6	1105.0	1079.6	1042.6	1008.0
145°	1039.5	1059.9	1085.3	1109.1	1120.9	1124.3	1120.9	1109.1	1085.3	1059.9	1039.5
147.5°	1079.2	1085.7	1098.9	1114.5	1126.0	1128.4	1126.0	1114.5	1098.9	1085.7	1079.2
150°	1109.1	1107.4	1112.5	1122.6	1132.8	1131.1	1132.8	1122.6	1112.5	1107.4	1109.1
152.5°	1143.0	1133.1	1132.8	1137.6	1142.3	1142.0	1142.3	1137.6	1132.8	1133.1	1143.0
155°	1200.6	1182.0	1171.8	1168.4	1168.4	1166.7	1168.4	1168.4	1171.8	1182.0	1200.6
157.5°	1264.1	1237.9	1222.7	1214.5	1212.2	1208.4	1212.2	1214.5	1222.7	1237.9	1264.1
160°	1307.5	1278.6	1263.4	1249.8	1244.7	1239.6	1244.7	1249.8	1263.4	1278.6	1307.5
162.5°	1348.2	1320.7	1304.1	1291.9	1286.8	1279.0	1286.8	1291.9	1304.1	1320.7	1348.2
165°	1414.3	1385.5	1366.8	1356.7	1349.9	1343.1	1349.9	1356.7	1366.8	1385.5	1414.3
167.5°	1480.4	1448.9	1436.7	1425.2	1418.7	1406.5	1418.7	1425.2	1436.7	1448.9	1480.4
170°	1521.1	1492.3	1485.5	1475.4	1463.5	1449.9	1463.5	1475.4	1485.5	1492.3	1521.1
172.5°	1556.4	1537.1	1530.3	1520.1	1516.4	1505.5	1516.4	1520.1	1530.3	1537.1	1556.4
175°	1607.6	1592.4	1592.4	1590.7	1585.6	1575.4	1585.6	1590.7	1592.4	1592.4	1607.6
177.5°	1650.4	1642.2	1647.7	1647.7	1646.3	1636.8	1646.3	1647.7	1647.7	1642.2	1650.4
180°	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9



TEST NUMBER: P1436019

CATALOG NUMBER: SQ2W-FB-K-125U-100D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	403.4	403.4	403.4	403.4
2.5°	423.6	415.5	407.9	400.3
5°	481.0	443.5	417.7	391.8
7.5°	593.2	481.8	429.2	376.7
10°	698.2	509.2	436.0	362.7
12.5°	779.4	546.1	446.7	347.2
15°	870.2	606.4	464.2	322.0
17.5°	943.7	674.6	485.3	296.0
20°	991.8	722.2	499.8	277.4
22.5°	1027.5	757.5	508.9	260.3
25°	1066.1	796.9	516.8	236.6
27.5°	1071.5	805.8	509.8	213.7
30°	1064.8	801.5	500.6	199.8
32.5°	1051.9	791.8	489.6	187.4
35°	1020.9	763.5	466.1	168.7
37.5°	974.0	719.4	436.1	152.8
40°	939.4	686.6	415.1	143.5
42.5°	899.1	648.3	391.3	134.2
45°	832.7	584.2	353.2	122.2
47.5°	761.9	512.3	311.6	110.9
50°	713.8	463.3	284.0	104.7
52.5°	666.7	415.8	257.1	98.5
55°	598.0	349.8	220.5	91.2
57.5°	533.6	293.2	188.9	84.6
60°	493.3	262.5	172.0	81.5
62.5°	453.0	234.4	155.6	76.8
65°	396.3	199.3	135.6	71.8
67.5°	344.5	173.1	118.9	64.8
70°	312.9	160.1	110.1	60.1
72.5°	278.3	146.0	101.5	57.0
75°	222.4	122.8	86.6	50.4
77.5°	156.5	95.3	68.2	41.1
80°	102.2	78.0	56.5	34.9
82.5°	75.3	60.8	44.7	28.7
85°	42.0	36.4	26.9	17.5
87.5°	18.0	16.8	12.0	7.2
90°	30.5	18.7	11.9	5.1
92.5°	65.8	45.8	32.2	18.7
95°	132.3	105.1	74.6	52.6
97.5°	210.6	166.9	136.7	100.4
100°	252.7	210.3	181.5	142.4
102.5°	298.8	263.2	223.5	184.5
105°	381.6	337.5	291.7	247.6
107.5°	458.2	409.7	354.8	315.1
110°	507.0	454.5	396.8	361.2



TEST NUMBER: P1436019

CATALOG NUMBER: SQ2W-FB-K-125U-100D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
112.5°	554.5	500.6	441.6	406.0
115°	619.0	559.6	505.4	474.8
117.5°	681.0	620.0	562.7	538.6
120°	719.0	658.0	602.0	583.4
122.5°	750.2	690.5	638.6	630.8
125°	797.0	736.0	691.9	702.1
127.5°	835.0	779.1	751.2	774.0
130°	858.1	808.9	791.9	824.2
132.5°	878.4	840.1	832.6	877.1
135°	909.0	886.9	893.7	954.7
137.5°	945.2	936.8	959.5	1036.5
140°	968.3	973.4	1005.6	1092.1
142.5°	999.5	1011.4	1053.1	1145.0
145°	1048.0	1073.5	1127.7	1219.3
147.5°	1103.0	1135.9	1203.0	1297.0
150°	1139.6	1182.0	1253.2	1343.1
152.5°	1181.6	1225.4	1296.6	1387.9
155°	1246.4	1295.6	1370.2	1448.2
157.5°	1312.6	1362.8	1434.0	1502.2
160°	1353.3	1407.5	1472.0	1534.7
162.5°	1399.4	1449.6	1505.9	1561.8
165°	1466.9	1507.6	1553.4	1600.9
167.5°	1523.5	1557.4	1593.4	1630.4
170°	1560.2	1587.3	1617.8	1646.6
172.5°	1591.4	1613.1	1635.4	1660.2
175°	1633.1	1644.9	1658.5	1673.8
177.5°	1665.3	1669.4	1673.4	1680.2
180°	1678.9	1678.9	1678.9	1678.9



TEST NUMBER: P1436019  
 CATALOG NUMBER: SQ2W-FB-K-125U-100D-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	12.20	13.04	13.19	14.05	15.39	21.79	22.63	22.79	23.64	24.98
	3H	13.13	13.89	14.14	14.90	16.27	23.40	24.15	24.40	25.17	26.53
	4H	13.53	14.24	14.55	15.26	16.63	23.57	24.29	24.59	25.31	26.68
	6H	13.78	14.44	14.81	15.47	16.85	23.65	24.30	24.68	25.33	26.71
	8H	13.87	14.50	14.91	15.54	16.92	23.66	24.29	24.70	25.33	26.71
	12H	13.92	14.52	14.96	15.55	16.96	23.64	24.24	24.68	25.27	26.67
4H	2H	16.91	17.63	17.94	18.65	20.02	22.15	22.87	23.18	23.89	25.26
	3H	18.04	18.63	19.07	19.68	21.07	24.04	24.64	25.07	25.69	27.07
	4H	18.32	18.86	19.36	19.91	21.31	24.26	24.81	25.30	25.85	27.25
	6H	18.45	18.92	19.51	19.99	21.39	24.39	24.86	25.44	25.92	27.33
	8H	18.49	18.93	19.55	19.99	21.40	24.44	24.87	25.49	25.93	27.35
	12H	18.49	18.89	19.56	19.96	21.38	24.42	24.81	25.49	25.88	27.31
8H	4H	19.51	19.95	20.56	21.01	22.42	24.35	24.79	25.40	25.84	27.26
	6H	19.77	20.13	20.84	21.23	22.64	24.55	24.91	25.62	26.01	27.42
	8H	19.87	20.18	20.95	21.27	22.70	24.64	24.95	25.72	26.04	27.47
	12H	19.91	20.18	20.99	21.26	22.74	24.64	24.92	25.73	26.00	27.47
12H	4H	19.53	19.93	20.60	21.00	22.42	24.30	24.70	25.37	25.77	27.19
	6H	19.87	20.19	20.96	21.27	22.71	24.53	24.85	25.61	25.93	27.36
	8H	20.01	20.29	21.10	21.37	22.84	24.63	24.91	25.72	25.98	27.46