

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: P1427768

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

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1427768  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/10/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ2W-F-K-100U-125D-L930-UNV-STD-W-WM-4  
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE  
DOWNLIGHT - FROSTED CONTINUOUS 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**

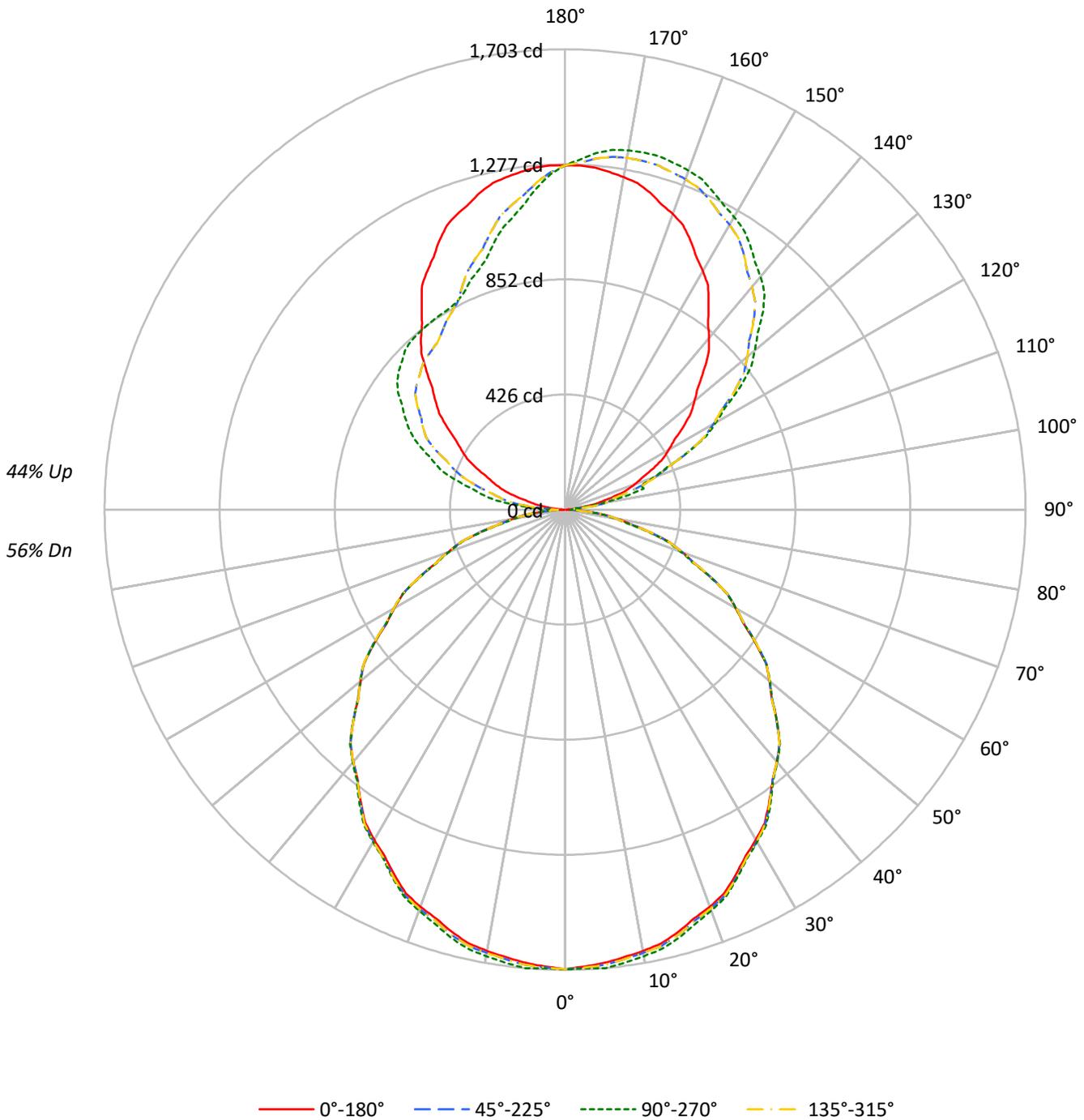
Lumens per Lamp: N/A  
Luminaire Lumens: 8509.9 lumens  
Efficiency: N/A  
Efficacy: 103.4 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.25 / 1.36  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 82.3  
Input Voltage (V): 120  
Input Current (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: P1427768

CATALOG NUMBER: SQ2W-F-K-100U-125D-L930-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	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	71	83	77	71	67	66	62	58	57	54	51	48	45	43	39
3	82	72	65	59	76	67	61	55	58	53	49	50	46	43	42	39	37	33
4	75	64	56	50	69	60	52	47	52	46	42	44	40	36	37	34	32	28
5	69	57	48	42	64	53	46	40	46	40	36	40	35	32	34	30	27	24
6	63	51	43	37	59	48	40	35	42	36	31	36	31	28	31	27	24	21
7	59	46	38	32	54	43	36	31	38	32	27	33	28	24	28	24	21	19
8	54	42	34	28	50	39	32	27	34	28	24	30	25	22	26	22	19	17
9	51	38	30	25	47	36	29	24	31	26	22	27	23	19	24	20	17	15
10	47	35	28	23	44	33	26	22	29	23	20	25	21	18	22	18	16	14

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

	0°	90°	180°	270°
0°	27457	27457	27457	27457
5°	27290	27601	27290	27601
10°	27194	27507	27194	27507
15°	27043	27384	27043	27384
20°	26872	27140	26872	27140
25°	26583	26818	26583	26818
30°	26302	26479	26302	26479
35°	25964	26130	25964	26130
40°	25669	25745	25669	25745
45°	25295	25295	25295	25295
50°	24786	24847	24786	24847
55°	24205	24239	24205	24239
60°	23550	23550	23550	23550
65°	22785	22693	22785	22693
70°	21710	21484	21710	21484
75°	20243	19800	20243	19800
80°	18038	17145	18038	17145
85°	14412	12208	14412	12208

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 25464 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	160.9	1.9
10°-20°	459.8	5.4
20°-30°	692.1	8.1
30°-40°	827.6	9.7
40°-50°	854.6	10.0
50°-60°	770.8	9.1
60°-70°	590.5	6.9
70°-80°	341.2	4.0
80°-90°	93.9	1.1
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°	1312.7	15.4
0°-40°	2140.3	25.2
0°-60°	3765.7	44.3
0°-90°	4791.3	56.3
90°-120°	879.3	10.3
90°-150°	2758.0	32.4
90°-180°	3719.0	43.7
0°-180°	8509.9	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1701	1701	1701	1701	1701	
5°	1684	1703	1684	1703	1684	160
15°	1618	1638	1618	1638	1618	456
25°	1492	1505	1492	1505	1492	688
35°	1317	1326	1317	1326	1317	825
45°	1108	1108	1108	1108	1108	854
55°	860	861	860	861	860	768
65°	596	594	596	594	596	590
75°	324	317	324	317	324	344
85°	78	66	78	66	78	91
90°	4	28	4	55	4	6
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	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1700.6	1700.6	1700.6	1700.6	1700.6	1700.6	1700.6	1700.6	1700.6	1700.6	1700.6
2.5°	1692.0	1700.0	1708.1	1704.7	1697.5	1694.7	1696.4	1697.9	1698.8	1699.6	1698.8
5°	1683.8	1694.5	1705.1	1701.4	1692.9	1689.1	1690.2	1692.3	1697.6	1703.0	1697.6
7.5°	1670.2	1680.8	1691.4	1688.0	1679.9	1676.5	1677.8	1680.2	1685.7	1691.2	1685.7
10°	1658.7	1669.3	1679.9	1676.2	1667.7	1664.5	1666.6	1669.3	1673.6	1677.8	1673.6
12.5°	1644.3	1654.9	1665.6	1662.5	1654.8	1651.6	1652.9	1655.0	1659.7	1664.4	1659.7
15°	1617.9	1628.6	1639.2	1636.3	1628.9	1625.9	1627.5	1629.8	1634.0	1638.3	1634.0
17.5°	1586.1	1596.1	1606.1	1603.4	1596.5	1593.9	1595.7	1598.0	1601.8	1605.5	1601.8
20°	1564.0	1573.6	1583.2	1580.4	1573.5	1570.3	1570.8	1572.2	1575.9	1579.6	1575.9
22.5°	1537.2	1546.8	1556.4	1553.9	1547.4	1543.6	1542.4	1542.7	1547.3	1551.8	1547.3
25°	1492.2	1501.8	1511.4	1509.4	1503.5	1499.8	1498.2	1497.9	1501.6	1505.4	1501.6
27.5°	1445.2	1453.2	1461.2	1459.5	1454.6	1451.7	1450.6	1450.5	1453.1	1455.8	1453.1
30°	1410.8	1418.7	1426.7	1424.7	1419.4	1416.2	1415.1	1415.0	1417.7	1420.3	1417.7
32.5°	1374.4	1381.9	1389.5	1386.7	1380.6	1377.4	1377.1	1377.8	1380.8	1383.9	1380.8
35°	1317.3	1323.7	1330.1	1327.3	1321.5	1318.8	1319.3	1320.4	1323.1	1325.7	1323.1
37.5°	1260.1	1265.0	1269.9	1267.0	1261.6	1258.8	1258.7	1259.2	1261.5	1263.7	1261.5
40°	1217.9	1223.3	1228.6	1225.5	1219.7	1216.5	1215.9	1216.2	1218.9	1221.5	1218.9
42.5°	1174.8	1178.9	1182.9	1180.2	1175.2	1172.8	1173.2	1173.7	1175.1	1176.5	1175.1
45°	1107.8	1111.5	1115.2	1112.6	1107.8	1105.4	1105.4	1105.6	1106.7	1107.8	1106.7
47.5°	1037.6	1040.5	1043.3	1041.3	1037.5	1035.4	1034.7	1034.7	1036.4	1038.1	1036.4
50°	986.8	990.5	994.3	992.4	988.7	986.3	985.2	984.9	987.1	989.2	987.1
52.5°	937.0	941.1	945.3	943.5	939.8	937.2	935.7	935.0	936.7	938.4	936.7
55°	859.9	864.7	869.4	868.3	865.1	862.4	860.3	858.9	860.0	861.1	860.0
57.5°	781.1	785.7	790.4	789.5	786.8	784.1	781.5	780.0	781.5	783.0	781.5
60°	729.3	733.6	737.8	736.5	733.3	730.7	728.5	727.2	728.3	729.3	728.3
62.5°	676.6	680.9	685.2	683.5	679.9	677.0	674.9	673.5	674.6	675.7	674.6
65°	596.4	600.1	603.8	602.4	599.2	596.5	594.4	592.9	593.5	594.0	593.5
67.5°	515.4	518.6	521.8	520.3	517.2	514.1	511.1	508.9	509.8	510.7	509.8
70°	459.9	463.1	466.3	465.1	462.4	459.7	457.1	455.1	455.1	455.1	455.1
72.5°	406.2	409.0	411.8	410.1	407.0	404.4	402.1	400.5	400.5	400.5	400.5
75°	324.5	326.1	327.7	326.9	325.3	323.2	320.6	318.4	317.9	317.4	317.9
77.5°	245.7	245.7	245.7	244.2	242.2	240.2	238.2	236.5	235.8	235.2	235.8
80°	194.0	194.0	194.0	192.8	191.2	189.6	188.0	186.6	185.5	184.4	185.5
82.5°	146.1	145.3	144.4	143.0	141.4	139.4	136.9	135.4	136.4	137.5	136.4
85°	77.8	76.8	75.7	74.3	72.7	70.8	68.7	66.9	66.4	65.9	66.4
87.5°	24.7	24.9	25.3	25.2	24.7	23.5	21.8	20.6	20.5	20.0	20.5
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



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**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°	1700.6	1700.6	1700.6	1700.6	1700.6	1700.6	1700.6	1700.6	1700.6	1700.6	1700.6
2.5°	1697.9	1696.4	1694.7	1697.5	1704.7	1708.1	1700.0	1692.0	1700.0	1708.1	1704.7
5°	1692.3	1690.2	1689.1	1692.9	1701.4	1705.1	1694.5	1683.8	1694.5	1705.1	1701.4
7.5°	1680.2	1677.8	1676.5	1679.9	1688.0	1691.4	1680.8	1670.2	1680.8	1691.4	1688.0
10°	1669.3	1666.6	1664.5	1667.7	1676.2	1679.9	1669.3	1658.7	1669.3	1679.9	1676.2
12.5°	1655.0	1652.9	1651.6	1654.8	1662.5	1665.6	1654.9	1644.3	1654.9	1665.6	1662.5
15°	1629.8	1627.5	1625.9	1628.9	1636.3	1639.2	1628.6	1617.9	1628.6	1639.2	1636.3
17.5°	1598.0	1595.7	1593.9	1596.5	1603.4	1606.1	1596.1	1586.1	1596.1	1606.1	1603.4
20°	1572.2	1570.8	1570.3	1573.5	1580.4	1583.2	1573.6	1564.0	1573.6	1583.2	1580.4
22.5°	1542.7	1542.4	1543.6	1547.4	1553.9	1556.4	1546.8	1537.2	1546.8	1556.4	1553.9
25°	1497.9	1498.2	1499.8	1503.5	1509.4	1511.4	1501.8	1492.2	1501.8	1511.4	1509.4
27.5°	1450.5	1450.6	1451.7	1454.6	1459.5	1461.2	1453.2	1445.2	1453.2	1461.2	1459.5
30°	1415.0	1415.1	1416.2	1419.4	1424.7	1426.7	1418.7	1410.8	1418.7	1426.7	1424.7
32.5°	1377.8	1377.1	1377.4	1380.6	1386.7	1389.5	1381.9	1374.4	1381.9	1389.5	1386.7
35°	1320.4	1319.3	1318.8	1321.5	1327.3	1330.1	1323.7	1317.3	1323.7	1330.1	1327.3
37.5°	1259.2	1258.7	1258.8	1261.6	1267.0	1269.9	1265.0	1260.1	1265.0	1269.9	1267.0
40°	1216.2	1215.9	1216.5	1219.7	1225.5	1228.6	1223.3	1217.9	1223.3	1228.6	1225.5
42.5°	1173.7	1173.2	1172.8	1175.2	1180.2	1182.9	1178.9	1174.8	1178.9	1182.9	1180.2
45°	1105.6	1105.4	1105.4	1107.8	1112.6	1115.2	1111.5	1107.8	1111.5	1115.2	1112.6
47.5°	1034.7	1034.7	1035.4	1037.5	1041.3	1043.3	1040.5	1037.6	1040.5	1043.3	1041.3
50°	984.9	985.2	986.3	988.7	992.4	994.3	990.5	986.8	990.5	994.3	992.4
52.5°	935.0	935.7	937.2	939.8	943.5	945.3	941.1	937.0	941.1	945.3	943.5
55°	858.9	860.3	862.4	865.1	868.3	869.4	864.7	859.9	864.7	869.4	868.3
57.5°	780.0	781.5	784.1	786.8	789.5	790.4	785.7	781.1	785.7	790.4	789.5
60°	727.2	728.5	730.7	733.3	736.5	737.8	733.6	729.3	733.6	737.8	736.5
62.5°	673.5	674.9	677.0	679.9	683.5	685.2	680.9	676.6	680.9	685.2	683.5
65°	592.9	594.4	596.5	599.2	602.4	603.8	600.1	596.4	600.1	603.8	602.4
67.5°	508.9	511.1	514.1	517.2	520.3	521.8	518.6	515.4	518.6	521.8	520.3
70°	455.1	457.1	459.7	462.4	465.1	466.3	463.1	459.9	463.1	466.3	465.1
72.5°	400.5	402.1	404.4	407.0	410.1	411.8	409.0	406.2	409.0	411.8	410.1
75°	318.4	320.6	323.2	325.3	326.9	327.7	326.1	324.5	326.1	327.7	326.9
77.5°	236.5	238.2	240.2	242.2	244.2	245.7	245.7	245.7	245.7	245.7	244.2
80°	186.6	188.0	189.6	191.2	192.8	194.0	194.0	194.0	194.0	194.0	192.8
82.5°	135.4	136.9	139.4	141.4	143.0	144.4	145.3	146.1	145.3	144.4	143.0
85°	66.9	68.7	70.8	72.7	74.3	75.7	76.8	77.8	76.8	75.7	74.3
87.5°	20.6	21.8	23.5	24.7	25.2	25.3	24.9	24.7	24.9	25.1	25.7
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: P1427768

CATALOG NUMBER: SQ2W-F-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: P1427768

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

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1700.6	1700.6	1700.6	1700.6	1700.6	1700.6	1700.6	1700.6	1700.6	1700.6	1700.6
2.5°	1697.5	1694.7	1696.4	1697.9	1698.8	1699.6	1698.8	1697.9	1696.4	1694.7	1697.5
5°	1692.9	1689.1	1690.2	1692.3	1697.6	1703.0	1697.6	1692.3	1690.2	1689.1	1692.9
7.5°	1679.9	1676.5	1677.8	1680.2	1685.7	1691.2	1685.7	1680.2	1677.8	1676.5	1679.9
10°	1667.7	1664.5	1666.6	1669.3	1673.6	1677.8	1673.6	1669.3	1666.6	1664.5	1667.7
12.5°	1654.8	1651.6	1652.9	1655.0	1659.7	1664.4	1659.7	1655.0	1652.9	1651.6	1654.8
15°	1628.9	1625.9	1627.5	1629.8	1634.0	1638.3	1634.0	1629.8	1627.5	1625.9	1628.9
17.5°	1596.5	1593.9	1595.7	1598.0	1601.8	1605.5	1601.8	1598.0	1595.7	1593.9	1596.5
20°	1573.5	1570.3	1570.8	1572.2	1575.9	1579.6	1575.9	1572.2	1570.8	1570.3	1573.5
22.5°	1547.4	1543.6	1542.4	1542.7	1547.3	1551.8	1547.3	1542.7	1542.4	1543.6	1547.4
25°	1503.5	1499.8	1498.2	1497.9	1501.6	1505.4	1501.6	1497.9	1498.2	1499.8	1503.5
27.5°	1454.6	1451.7	1450.6	1450.5	1453.1	1455.8	1453.1	1450.5	1450.6	1451.7	1454.6
30°	1419.4	1416.2	1415.1	1415.0	1417.7	1420.3	1417.7	1415.0	1415.1	1416.2	1419.4
32.5°	1380.6	1377.4	1377.1	1377.8	1380.8	1383.9	1380.8	1377.8	1377.1	1377.4	1380.6
35°	1321.5	1318.8	1319.3	1320.4	1323.1	1325.7	1323.1	1320.4	1319.3	1318.8	1321.5
37.5°	1261.6	1258.8	1258.7	1259.2	1261.5	1263.7	1261.5	1259.2	1258.7	1258.8	1261.6
40°	1219.7	1216.5	1215.9	1216.2	1218.9	1221.5	1218.9	1216.2	1215.9	1216.5	1219.7
42.5°	1175.2	1172.8	1173.2	1173.7	1175.1	1176.5	1175.1	1173.7	1173.2	1172.8	1175.2
45°	1107.8	1105.4	1105.4	1105.6	1106.7	1107.8	1106.7	1105.6	1105.4	1105.4	1107.8
47.5°	1037.5	1035.4	1034.7	1034.7	1036.4	1038.1	1036.4	1034.7	1034.7	1035.4	1037.5
50°	988.7	986.3	985.2	984.9	987.1	989.2	987.1	984.9	985.2	986.3	988.7
52.5°	939.8	937.2	935.7	935.0	936.7	938.4	936.7	935.0	935.7	937.2	939.8
55°	865.1	862.4	860.3	858.9	860.0	861.1	860.0	858.9	860.3	862.4	865.1
57.5°	786.8	784.1	781.5	780.0	781.5	783.0	781.5	780.0	781.5	784.1	786.8
60°	733.3	730.7	728.5	727.2	728.3	729.3	728.3	727.2	728.5	730.7	733.3
62.5°	679.9	677.0	674.9	673.5	674.6	675.7	674.6	673.5	674.9	677.0	679.9
65°	599.2	596.5	594.4	592.9	593.5	594.0	593.5	592.9	594.4	596.5	599.2
67.5°	517.2	514.1	511.1	508.9	509.8	510.7	509.8	508.9	511.1	514.1	517.2
70°	462.4	459.7	457.1	455.1	455.1	455.1	455.1	455.1	457.1	459.7	462.4
72.5°	407.0	404.4	402.1	400.5	400.5	400.5	400.5	400.5	402.1	404.4	407.0
75°	325.3	323.2	320.6	318.4	317.9	317.4	317.9	318.4	320.6	323.2	325.3
77.5°	242.2	240.2	238.2	236.5	235.8	235.2	235.8	236.5	238.2	240.2	242.2
80°	191.2	189.6	188.0	186.6	185.5	184.4	185.5	186.6	188.0	189.6	191.2
82.5°	141.4	139.4	136.9	135.4	136.4	137.5	136.4	135.4	136.9	139.4	141.4
85°	72.7	70.8	68.7	66.9	66.4	65.9	66.4	66.9	68.7	70.8	72.7
87.5°	25.7	26.0	26.1	25.8	26.4	25.4	26.4	25.8	26.1	26.0	25.7
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	
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: P1427768

CATALOG NUMBER: SQ2W-F-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: P1427768

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

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	1700.6	1700.6	1700.6	1700.6
2.5°	1704.7	1708.1	1700.0	1692.0
5°	1701.4	1705.1	1694.5	1683.8
7.5°	1688.0	1691.4	1680.8	1670.2
10°	1676.2	1679.9	1669.3	1658.7
12.5°	1662.5	1665.6	1654.9	1644.3
15°	1636.3	1639.2	1628.6	1617.9
17.5°	1603.4	1606.1	1596.1	1586.1
20°	1580.4	1583.2	1573.6	1564.0
22.5°	1553.9	1556.4	1546.8	1537.2
25°	1509.4	1511.4	1501.8	1492.2
27.5°	1459.5	1461.2	1453.2	1445.2
30°	1424.7	1426.7	1418.7	1410.8
32.5°	1386.7	1389.5	1381.9	1374.4
35°	1327.3	1330.1	1323.7	1317.3
37.5°	1267.0	1269.9	1265.0	1260.1
40°	1225.5	1228.6	1223.3	1217.9
42.5°	1180.2	1182.9	1178.9	1174.8
45°	1112.6	1115.2	1111.5	1107.8
47.5°	1041.3	1043.3	1040.5	1037.6
50°	992.4	994.3	990.5	986.8
52.5°	943.5	945.3	941.1	937.0
55°	868.3	869.4	864.7	859.9
57.5°	789.5	790.4	785.7	781.1
60°	736.5	737.8	733.6	729.3
62.5°	683.5	685.2	680.9	676.6
65°	602.4	603.8	600.1	596.4
67.5°	520.3	521.8	518.6	515.4
70°	465.1	466.3	463.1	459.9
72.5°	410.1	411.8	409.0	406.2
75°	326.9	327.7	326.1	324.5
77.5°	244.2	245.7	245.7	245.7
80°	192.8	194.0	194.0	194.0
82.5°	143.0	144.4	145.3	146.1
85°	74.3	75.7	76.8	77.8
87.5°	25.7	25.1	24.9	24.7
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: P1427768

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**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: P1427768  
 CATALOG NUMBER: SQ2W-F-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	19.93	20.87	20.83	21.79	22.96	19.85	20.78	20.74	21.70	22.88
	3H	21.73	22.57	22.64	23.50	24.70	21.62	22.46	22.53	23.39	24.59
	4H	22.43	23.22	23.35	24.15	25.37	22.31	23.11	23.24	24.04	25.25
	6H	22.87	23.60	23.80	24.54	25.76	22.73	23.46	23.66	24.40	25.62
	8H	23.03	23.73	23.97	24.69	25.91	22.87	23.57	23.82	24.53	25.75
	12H	23.12	23.78	24.07	24.73	25.98	22.94	23.60	23.89	24.56	25.80
4H	2H	20.52	21.31	21.45	22.25	23.46	20.45	21.25	21.38	22.18	23.39
	3H	22.55	23.21	23.49	24.18	25.40	22.46	23.12	23.40	24.08	25.31
	4H	23.36	23.97	24.32	24.93	26.18	23.25	23.86	24.21	24.82	26.07
	6H	23.92	24.45	24.89	25.43	26.68	23.78	24.31	24.75	25.29	26.54
	8H	24.14	24.63	25.10	25.60	26.87	23.98	24.47	24.95	25.45	26.71
	12H	24.26	24.70	25.24	25.69	26.96	24.07	24.51	25.06	25.51	26.78
8H	4H	23.62	24.11	24.58	25.08	26.35	23.52	24.01	24.49	24.98	26.25
	6H	24.31	24.71	25.30	25.73	26.99	24.18	24.58	25.17	25.60	26.86
	8H	24.61	24.97	25.61	25.98	27.26	24.46	24.82	25.46	25.82	27.10
	12H	24.80	25.12	25.81	26.12	27.44	24.61	24.92	25.61	25.93	27.25
12H	4H	23.61	24.06	24.60	25.05	26.32	23.52	23.96	24.51	24.96	26.23
	6H	24.36	24.72	25.36	25.72	27.00	24.23	24.59	25.23	25.60	26.88
	8H	24.70	25.01	25.70	26.01	27.34	24.55	24.86	25.55	25.86	27.19