

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: P1435827

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

Issue Date: 3/24/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1435827  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2502-345-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/24/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ2W-FA-K-100U-100D-L935-UNV-STD-W-WM-4  
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE  
DOWNLIGHT - FROSTED CONTINUOUS ASYMMETRIC ROLL LENS  
UPLIGHT - ASYMMETRIC ROLL LENS  
DOWNLIGHT 1000 LUMENS PER FOOT  
UPLIGHT 1000 LUMENS PER FOOT  
Light Source: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

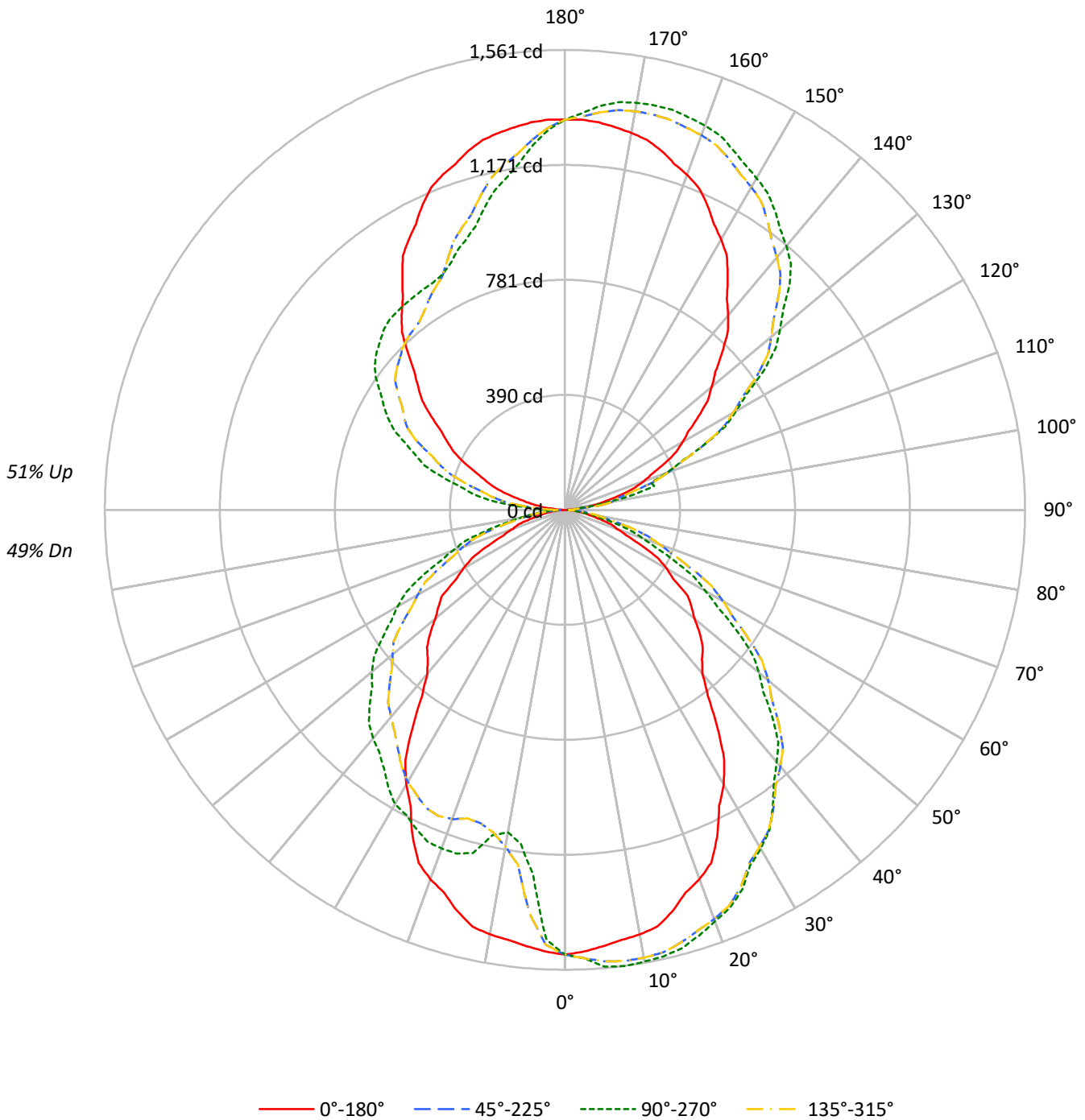
Lumens per Lamp: N/A  
Luminaire Lumens: 7621.2 lumens  
Efficiency: N/A  
Efficacy: 107.8 lumens/watt  
Spacing Criteria (0/90/45): 1.08 / 1.23 / 1.34  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: General Diffuse

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-FA-K-100U-100D-L935-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	107	107	107	107	99	99	99	99	83	83	83	69	69	69	55	55	55	49
1	98	93	90	86	90	86	83	80	73	71	68	61	59	57	49	48	47	42
2	89	82	76	70	82	75	70	66	64	60	57	53	50	48	43	41	40	35
3	81	72	64	59	75	66	60	55	56	52	48	47	44	41	38	36	34	30
4	74	64	56	50	68	59	52	47	50	45	41	42	38	35	34	31	29	25
5	68	57	48	42	63	52	45	40	45	39	35	38	33	30	31	28	25	22
6	63	51	43	37	58	47	40	35	40	35	30	34	30	26	28	25	22	19
7	58	46	38	32	53	43	35	30	37	31	27	31	27	23	26	22	20	17
8	54	42	34	28	50	39	32	27	33	28	24	28	24	21	23	20	18	15
9	50	38	30	25	46	35	29	24	30	25	21	26	22	19	22	18	16	14
10	47	35	28	23	43	32	26	22	28	23	19	24	20	17	20	17	14	13

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

	0°	90°	180°	270°
0°	24377	24377	24377	24377
5°	24090	25228	24090	20107
10°	23985	25520	23985	18229
15°	23573	25725	23573	20150
20°	22924	25539	22924	21013
25°	21787	25332	21787	21267
30°	20073	24766	20073	21492
35°	17763	24222	17763	21108
40°	15293	23557	15293	21338
45°	15100	22715	15100	21379
50°	14405	21607	14405	21461
55°	14331	19932	14331	21250
60°	12849	17763	12849	21164
65°	10953	15648	10953	20569
70°	8842	13260	8842	19062
75°	7667	10954	7667	17523
80°	6527	8164	6527	14142
85°	4335	4335	4335	8670

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 40°  
 Vertical Angle: 45°  
 Luminance: 23427 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	135.8	1.8
10°-20°	379.6	5.0
20°-30°	576.4	7.6
30°-40°	676.8	8.9
40°-50°	686.8	9.0
50°-60°	601.6	7.9
60°-70°	426.7	5.6
70°-80°	219.7	2.9
80°-90°	51.5	0.7
90°-100°	105.4	1.4
100°-110°	307.3	4.0
110°-120°	501.5	6.6
120°-130°	636.4	8.4
130°-140°	681.0	8.9
140°-150°	635.9	8.3
150°-160°	523.2	6.9
160°-170°	350.9	4.6
170°-180°	124.6	1.6
0°-30°	1091.9	14.3
0°-40°	1768.6	23.2
0°-60°	3057.0	40.1
0°-90°	3754.9	49.3
90°-120°	914.2	12.0
90°-150°	2867.5	37.6
90°-180°	3866.0	50.7
0°-180°	7621.2	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1510	1510	1510	1510	1510	
5°	1486	1557	1486	1241	1486	141
15°	1410	1539	1410	1206	1410	396
25°	1223	1422	1223	1194	1223	558
35°	901	1229	901	1071	901	561
45°	661	995	661	936	661	506
55°	509	708	509	755	509	440
65°	287	410	287	538	287	286
75°	123	176	123	281	123	133
85°	23	23	23	47	23	29
90°	4	29	4	58	4	4
95°	42	31	42	181	42	50
105°	195	313	195	431	195	208
115°	374	519	374	639	374	369
125°	554	823	554	784	554	495
135°	753	1077	753	868	753	582
145°	962	1241	962	887	962	602
155°	1142	1348	1142	920	1142	525
165°	1263	1406	1263	1059	1263	355
175°	1320	1376	1320	1243	1320	125
180°	1324	1324	1324	1324	1324	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1509.8	1509.8	1509.8	1509.8	1509.8	1509.8	1509.8	1509.8	1509.8	1509.8	1509.8
2.5°	1500.4	1510.8	1521.2	1523.8	1523.8	1523.8	1523.8	1523.8	1523.8	1523.8	1523.8
5°	1486.4	1504.6	1522.8	1531.2	1536.4	1540.3	1542.9	1546.2	1551.4	1556.6	1551.4
7.5°	1472.3	1496.8	1521.2	1533.2	1541.0	1547.2	1551.9	1556.1	1558.7	1561.3	1558.7
10°	1463.0	1491.6	1520.2	1533.2	1541.0	1546.2	1548.8	1551.4	1554.0	1556.6	1554.0
12.5°	1448.9	1479.6	1510.3	1525.4	1535.3	1541.5	1544.1	1546.7	1549.3	1551.9	1549.3
15°	1410.3	1451.9	1493.5	1509.8	1517.6	1524.1	1529.3	1533.8	1536.4	1539.0	1536.4
17.5°	1362.3	1412.8	1463.2	1483.6	1494.0	1501.6	1506.3	1510.3	1512.4	1514.5	1512.4
20°	1334.2	1388.8	1443.5	1464.9	1475.3	1481.8	1484.4	1486.4	1486.4	1486.4	1486.4
22.5°	1296.8	1357.6	1418.5	1441.5	1451.9	1457.4	1457.9	1458.8	1460.9	1463.0	1460.9
25°	1223.0	1293.3	1363.5	1392.7	1408.3	1414.8	1412.2	1411.6	1416.8	1422.0	1416.8
27.5°	1132.9	1221.3	1309.8	1339.7	1350.1	1356.6	1359.2	1361.1	1361.1	1361.1	1361.1
30°	1076.7	1175.6	1274.4	1306.9	1317.3	1323.8	1326.4	1328.4	1328.4	1328.4	1328.4
32.5°	1006.5	1124.1	1241.6	1277.3	1285.6	1290.0	1290.5	1290.9	1290.9	1290.9	1290.9
35°	901.2	1044.2	1187.3	1226.9	1232.1	1234.7	1234.7	1234.1	1231.5	1228.9	1231.5
37.5°	795.9	958.1	1120.4	1166.9	1174.7	1176.7	1173.1	1169.7	1167.1	1164.5	1167.1
40°	725.6	902.5	1079.3	1129.4	1137.2	1137.2	1129.4	1122.9	1120.3	1117.7	1120.3
42.5°	688.2	863.0	1037.7	1087.3	1095.1	1094.0	1084.2	1076.1	1073.5	1070.9	1073.5
45°	661.3	817.3	973.4	1018.2	1026.0	1024.7	1014.3	1005.2	1000.0	994.8	1000.0
47.5°	620.3	757.6	894.9	939.0	952.0	950.7	935.1	922.1	916.9	911.7	916.9
50°	573.5	708.7	844.0	887.5	900.5	899.2	883.6	870.6	865.4	860.2	865.4
52.5°	540.7	667.6	794.6	834.5	845.4	842.0	824.3	809.8	804.6	799.4	804.6
55°	509.1	615.7	722.4	754.9	762.7	757.5	739.3	723.7	715.9	708.1	715.9
57.5°	435.4	536.8	638.2	669.8	678.2	671.9	651.1	633.3	624.5	615.6	624.5
60°	397.9	489.0	580.0	610.5	620.9	615.7	594.9	576.1	563.1	550.1	563.1
62.5°	355.8	436.4	517.0	548.1	562.7	559.6	538.8	519.9	506.9	493.9	506.9
65°	286.7	357.0	427.2	458.4	476.6	475.3	454.5	435.6	422.6	409.6	422.6
67.5°	224.7	285.1	345.4	376.1	396.9	395.8	373.0	353.2	342.8	332.4	342.8
70°	187.3	239.3	291.3	319.9	340.7	340.7	319.9	301.7	291.3	280.9	291.3
72.5°	163.9	203.4	242.9	270.0	292.9	292.9	270.0	250.7	242.4	234.1	242.4
75°	122.9	146.3	169.7	195.1	221.1	223.7	202.9	186.0	180.8	175.6	180.8
77.5°	88.9	99.9	110.8	130.7	153.6	156.2	138.5	124.7	122.6	120.5	122.6
80°	70.2	72.8	75.4	91.7	112.5	115.1	99.5	87.8	87.8	87.8	87.8
82.5°	46.8	49.4	52.0	63.6	78.2	79.7	68.3	59.2	57.1	55.0	57.1
85°	23.4	23.4	23.4	27.3	32.5	32.5	27.3	23.4	23.4	23.4	23.4
87.5°	5.5	6.6	7.9	10.5	13.4	13.7	11.6	10.3	10.6	10.6	10.6
90°	4.0	9.4	16.1	21.4	25.4	26.8	26.8	28.1	29.4	29.4	29.4
92.5°	14.7	23.3	23.5	23.5	28.6	31.0	33.2	33.4	34.8	34.8	34.8
95°	41.5	45.5	68.2	66.9	45.5	36.1	30.8	30.8	30.8	30.8	30.8
97.5°	79.2	85.1	88.8	119.0	125.7	121.4	99.0	83.2	74.4	70.4	74.4
100°	112.4	115.0	123.1	124.4	157.8	189.9	173.9	153.8	147.1	143.1	147.1
102.5°	145.5	147.1	159.4	165.1	172.8	191.0	246.6	240.5	235.9	235.1	235.9
105°	195.3	196.6	219.4	230.1	235.4	235.4	234.1	260.8	303.6	313.0	303.6
107.5°	248.5	254.7	281.4	310.0	316.2	317.8	310.8	306.8	305.2	306.3	305.2
110°	284.9	294.3	326.4	362.5	371.8	374.5	371.8	367.8	365.1	365.1	365.1

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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	320.2	333.9	370.2	411.7	427.5	435.5	429.6	426.7	424.0	426.1	424.0
115°	374.5	394.6	442.7	485.5	517.6	521.6	520.3	520.3	519.0	519.0	519.0
117.5°	424.8	456.9	510.9	560.7	597.9	608.6	613.9	612.3	610.7	613.4	610.7
120°	460.1	497.6	559.1	615.3	651.4	667.4	672.8	670.1	672.8	670.1	672.8
122.5°	497.6	543.6	604.0	662.4	704.9	723.1	729.5	730.0	730.6	729.0	730.6
125°	553.7	609.9	680.8	741.0	785.1	806.5	811.9	813.2	815.9	822.6	815.9
127.5°	610.5	674.1	752.0	810.0	855.2	881.2	889.5	892.4	898.0	901.0	898.0
130°	650.0	722.3	801.2	856.0	900.2	928.3	943.0	947.0	953.7	952.3	953.7
132.5°	691.8	767.2	847.2	904.2	945.1	975.3	987.9	999.4	1001.8	1003.7	1001.8
135°	753.0	834.6	914.9	971.1	1009.8	1039.3	1055.3	1066.0	1072.7	1076.7	1072.7
137.5°	817.5	903.6	980.7	1030.7	1069.8	1095.2	1113.4	1124.6	1131.6	1134.8	1131.6
140°	861.4	944.3	1019.2	1071.4	1106.1	1131.6	1147.6	1161.0	1169.0	1169.0	1169.0
142.5°	903.1	985.0	1057.7	1109.9	1140.4	1163.7	1180.8	1190.9	1200.0	1200.0	1200.0
145°	961.7	1043.3	1110.2	1162.3	1187.7	1209.1	1227.9	1235.9	1241.2	1241.2	1241.2
147.5°	1023.0	1095.2	1156.2	1206.2	1227.6	1252.7	1267.5	1273.9	1280.6	1277.6	1280.6
150°	1059.3	1126.2	1185.1	1231.9	1253.3	1277.4	1292.1	1297.4	1304.1	1300.1	1304.1
152.5°	1094.6	1158.3	1211.8	1255.4	1273.6	1297.7	1314.5	1319.9	1324.4	1321.5	1324.4
155°	1142.3	1198.4	1247.9	1288.1	1304.1	1326.8	1342.9	1349.6	1354.9	1348.2	1354.9
157.5°	1184.8	1233.2	1276.3	1313.2	1330.3	1349.9	1364.8	1373.1	1378.5	1375.5	1378.5
160°	1210.5	1254.6	1293.4	1328.2	1344.2	1361.6	1377.7	1387.0	1392.4	1388.4	1392.4
162.5°	1231.9	1271.7	1308.4	1340.0	1353.9	1369.1	1388.4	1396.7	1402.0	1396.9	1402.0
165°	1262.6	1294.7	1326.8	1353.6	1365.6	1377.7	1397.7	1407.1	1411.1	1405.8	1411.1
167.5°	1285.9	1310.5	1336.5	1359.5	1368.3	1380.1	1400.1	1407.9	1413.0	1406.3	1413.0
170°	1298.8	1320.2	1342.9	1361.6	1368.3	1379.0	1399.1	1405.8	1409.8	1403.1	1409.8
172.5°	1309.5	1325.5	1344.0	1360.6	1364.0	1372.6	1391.6	1398.3	1401.2	1395.6	1401.2
175°	1320.2	1329.5	1342.9	1353.6	1352.3	1357.6	1373.7	1379.0	1384.4	1376.3	1384.4
177.5°	1325.2	1329.5	1333.8	1340.2	1335.9	1335.9	1347.7	1350.9	1352.0	1347.7	1352.0
180°	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2



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**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1509.8	1509.8	1509.8	1509.8	1509.8	1509.8	1509.8	1509.8	1509.8	1509.8	1509.8
2.5°	1523.8	1523.8	1523.8	1523.8	1523.8	1521.2	1510.8	1500.4	1500.4	1500.4	1492.6
5°	1546.2	1542.9	1540.3	1536.4	1531.2	1522.8	1504.6	1486.4	1478.6	1470.8	1437.6
7.5°	1556.1	1551.9	1547.2	1541.0	1533.2	1521.2	1496.8	1472.3	1437.5	1402.6	1328.8
10°	1551.4	1548.8	1546.2	1541.0	1533.2	1520.2	1491.6	1463.0	1392.7	1322.5	1252.3
12.5°	1546.7	1544.1	1541.5	1535.3	1525.4	1510.3	1479.6	1448.9	1349.6	1250.2	1186.8
15°	1533.8	1529.3	1524.1	1517.6	1509.8	1493.5	1451.9	1410.3	1298.5	1186.6	1133.3
17.5°	1510.3	1506.3	1501.6	1494.0	1483.6	1463.2	1412.8	1362.3	1245.3	1128.2	1093.9
20°	1486.4	1484.4	1481.8	1475.3	1464.9	1443.5	1388.8	1334.2	1217.2	1100.1	1084.5
22.5°	1458.8	1457.9	1457.4	1451.9	1441.5	1418.5	1357.6	1296.8	1181.8	1066.9	1067.4
25°	1411.6	1412.2	1414.8	1408.3	1392.7	1363.5	1293.3	1223.0	1121.6	1020.2	1037.7
27.5°	1361.1	1359.2	1356.6	1350.1	1339.7	1309.8	1221.3	1132.9	1052.8	972.7	1001.8
30°	1328.4	1326.4	1323.8	1317.3	1306.9	1274.4	1175.6	1076.7	1009.1	941.5	975.3
32.5°	1290.9	1290.5	1290.0	1285.6	1277.3	1241.6	1124.1	1006.5	957.6	908.7	944.1
35°	1234.1	1234.7	1234.7	1232.1	1226.9	1187.3	1044.2	901.2	880.4	859.6	901.2
37.5°	1169.7	1173.1	1176.7	1174.7	1166.9	1120.4	958.1	795.9	802.6	809.4	859.8
40°	1122.9	1129.4	1137.2	1137.2	1129.4	1079.3	902.5	725.6	749.0	772.4	827.1
42.5°	1076.1	1084.2	1094.0	1095.1	1087.3	1037.7	863.0	688.2	713.7	739.2	795.9
45°	1005.2	1014.3	1024.7	1026.0	1018.2	973.4	817.3	661.3	676.9	692.5	747.1
47.5°	922.1	935.1	950.7	952.0	939.0	894.9	757.6	620.3	631.7	643.2	699.1
50°	870.6	883.6	899.2	900.5	887.5	844.0	708.7	573.5	589.1	604.7	663.2
52.5°	809.8	824.3	842.0	845.4	834.5	794.6	667.6	540.7	550.1	559.4	622.6
55°	723.7	739.3	757.5	762.7	754.9	722.4	615.7	509.1	501.3	493.5	557.9
57.5°	633.3	651.1	671.9	678.2	669.8	638.2	536.8	435.4	428.6	421.9	491.6
60°	576.1	594.9	615.7	620.9	610.5	580.0	489.0	397.9	384.9	371.9	444.7
62.5°	519.9	538.8	559.6	562.7	548.1	517.0	436.4	355.8	347.0	338.1	408.8
65°	435.6	454.5	475.3	476.6	458.4	427.2	357.0	286.7	291.9	297.1	360.9
67.5°	353.2	373.0	395.8	396.9	376.1	345.4	285.1	224.7	241.9	259.0	316.4
70°	301.7	319.9	340.7	340.7	319.9	291.3	239.3	187.3	210.7	234.1	286.7
72.5°	250.7	270.0	292.9	292.9	270.0	242.9	203.4	163.9	187.3	210.7	254.0
75°	186.0	202.9	223.7	221.1	195.1	169.7	146.3	122.9	146.3	169.7	202.9
77.5°	124.7	138.5	156.2	153.6	130.7	110.8	99.9	88.9	108.2	127.4	150.6
80°	87.8	99.5	115.1	112.5	91.7	75.4	72.8	70.2	83.2	96.2	113.1
82.5°	59.2	68.3	79.7	78.2	63.6	52.0	49.4	46.8	57.7	68.7	80.4
85°	23.4	27.3	32.5	32.5	27.3	23.4	23.4	23.4	28.6	33.8	39.0
87.5°	10.3	11.6	13.7	13.4	10.5	7.9	6.6	5.5	8.6	11.8	14.2
90°	28.1	26.8	26.8	25.4	21.4	16.1	9.4	4.0	9.4	14.7	24.1
92.5°	33.4	33.2	31.0	28.6	23.5	23.5	23.3	14.7	25.4	36.1	51.9
95°	30.8	30.8	36.1	45.5	66.9	68.2	45.5	41.5	58.9	82.9	104.3
97.5°	83.2	99.0	121.4	125.7	119.0	88.8	85.1	79.2	107.8	131.6	166.1
100°	153.8	173.9	189.9	157.8	124.4	123.1	115.0	112.4	143.1	165.9	199.3
102.5°	240.5	246.6	191.0	172.8	165.1	159.4	147.1	145.5	176.3	207.6	235.7
105°	260.8	234.1	235.4	235.4	230.1	219.4	196.6	195.3	230.1	266.2	300.9
107.5°	306.8	310.8	317.8	316.2	310.0	281.4	254.7	248.5	279.8	323.2	361.4
110°	367.8	371.8	374.5	371.8	362.5	326.4	294.3	284.9	313.0	358.5	399.9



TEST NUMBER: P1435827

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

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	426.7	429.6	435.5	427.5	411.7	370.2	333.9	320.2	348.3	394.8	437.4
115°	520.3	520.3	521.6	517.6	485.5	442.7	394.6	374.5	398.6	441.4	488.2
117.5°	612.3	613.9	608.6	597.9	560.7	510.9	456.9	424.8	443.8	489.0	537.2
120°	670.1	672.8	667.4	651.4	615.3	559.1	497.6	460.1	474.8	519.0	567.1
122.5°	730.0	729.5	723.1	704.9	662.4	604.0	543.6	497.6	503.7	544.6	591.7
125°	813.2	811.9	806.5	785.1	741.0	680.8	609.9	553.7	545.7	580.5	628.6
127.5°	892.4	889.5	881.2	855.2	810.0	752.0	674.1	610.5	592.5	614.5	658.6
130°	947.0	943.0	928.3	900.2	856.0	801.2	722.3	650.0	624.6	638.0	676.8
132.5°	999.4	987.9	975.3	945.1	904.2	847.2	767.2	691.8	656.7	662.6	692.8
135°	1066.0	1055.3	1039.3	1009.8	971.1	914.9	834.6	753.0	704.9	699.5	716.9
137.5°	1124.6	1113.4	1095.2	1069.8	1030.7	980.7	903.6	817.5	756.8	738.9	745.5
140°	1161.0	1147.6	1131.6	1106.1	1071.4	1019.2	944.3	861.4	793.2	767.8	763.7
142.5°	1190.9	1180.8	1163.7	1140.4	1109.9	1057.7	985.0	903.1	830.6	797.7	788.3
145°	1235.9	1227.9	1209.1	1187.7	1162.3	1110.2	1043.3	961.7	889.5	846.7	826.6
147.5°	1273.9	1267.5	1252.7	1227.6	1206.2	1156.2	1095.2	1023.0	948.9	895.9	869.9
150°	1297.4	1292.1	1277.4	1253.3	1231.9	1185.1	1126.2	1059.3	988.4	932.3	898.8
152.5°	1319.9	1314.5	1297.7	1273.6	1255.4	1211.8	1158.3	1094.6	1022.7	966.5	932.0
155°	1349.6	1342.9	1326.8	1304.1	1288.1	1247.9	1198.4	1142.3	1080.7	1021.9	983.1
157.5°	1373.1	1364.8	1349.9	1330.3	1313.2	1276.3	1233.2	1184.8	1131.0	1074.9	1035.3
160°	1387.0	1377.7	1361.6	1344.2	1328.2	1293.4	1254.6	1210.5	1161.0	1110.2	1067.4
162.5°	1396.7	1388.4	1369.1	1353.9	1340.0	1308.4	1271.7	1231.9	1187.7	1143.3	1103.7
165°	1407.1	1397.7	1377.7	1365.6	1353.6	1326.8	1294.7	1262.6	1225.2	1189.1	1157.0
167.5°	1407.9	1400.1	1380.1	1368.3	1359.5	1336.5	1310.5	1285.9	1256.8	1228.4	1201.7
170°	1405.8	1399.1	1379.0	1368.3	1361.6	1342.9	1320.2	1298.8	1276.0	1251.9	1230.5
172.5°	1398.3	1391.6	1372.6	1364.0	1360.6	1344.0	1325.5	1309.5	1289.9	1272.3	1255.2
175°	1379.0	1373.7	1357.6	1352.3	1353.6	1342.9	1329.5	1320.2	1308.1	1297.4	1288.1
177.5°	1350.9	1347.7	1335.9	1335.9	1340.2	1333.8	1329.5	1325.2	1319.9	1316.7	1313.5
180°	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2



TEST NUMBER: P1435827

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

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1509.8	1509.8	1509.8	1509.8	1509.8	1509.8	1509.8	1509.8	1509.8	1509.8	1509.8
2.5°	1482.2	1473.9	1467.6	1462.4	1460.4	1458.3	1460.4	1462.4	1467.6	1473.9	1482.2
5°	1396.0	1351.8	1305.0	1266.6	1253.6	1240.6	1253.6	1266.6	1305.0	1351.8	1396.0
7.5°	1241.9	1188.6	1168.8	1152.9	1148.8	1144.6	1148.8	1152.9	1168.8	1188.6	1241.9
10°	1182.1	1139.2	1123.6	1111.9	1111.9	1111.9	1111.9	1111.9	1123.6	1139.2	1182.1
12.5°	1135.3	1109.0	1108.0	1109.8	1120.2	1130.6	1120.2	1109.8	1108.0	1109.0	1135.3
15°	1099.5	1103.4	1145.0	1179.5	1192.5	1205.5	1192.5	1179.5	1145.0	1103.4	1099.5
17.5°	1087.1	1109.5	1161.0	1202.2	1212.6	1223.0	1212.6	1202.2	1161.0	1109.5	1087.1
20°	1102.8	1131.4	1170.4	1202.2	1212.6	1223.0	1212.6	1202.2	1170.4	1131.4	1102.8
22.5°	1106.4	1141.2	1171.9	1197.6	1208.0	1218.4	1208.0	1197.6	1171.9	1141.2	1106.4
25°	1094.9	1136.6	1162.6	1183.4	1188.6	1193.8	1188.6	1183.4	1162.6	1136.6	1094.9
27.5°	1067.4	1113.2	1139.2	1159.6	1163.2	1166.9	1163.2	1159.6	1139.2	1113.2	1067.4
30°	1042.9	1089.7	1115.8	1137.2	1145.0	1152.8	1145.0	1137.2	1115.8	1089.7	1042.9
32.5°	1007.6	1055.4	1087.7	1112.2	1113.8	1115.4	1113.8	1112.2	1087.7	1055.4	1007.6
35°	963.6	1013.0	1049.4	1076.1	1073.5	1070.9	1073.5	1076.1	1049.4	1013.0	963.6
37.5°	924.9	973.2	1005.0	1029.5	1032.7	1035.8	1032.7	1029.5	1005.0	973.2	924.9
40°	892.1	941.5	975.3	1002.0	1007.2	1012.4	1007.2	1002.0	975.3	941.5	892.1
42.5°	863.0	913.4	947.2	973.9	979.1	984.3	979.1	973.9	947.2	913.4	863.0
45°	814.7	866.7	903.1	931.1	933.7	936.3	933.7	931.1	903.1	866.7	814.7
47.5°	769.8	822.1	855.9	881.9	884.5	887.1	884.5	881.9	855.9	822.1	769.8
50°	736.0	789.4	823.2	849.2	851.8	854.4	851.8	849.2	823.2	789.4	736.0
52.5°	703.8	759.2	788.8	811.7	814.3	816.9	814.3	811.7	788.8	759.2	703.8
55°	646.3	704.8	733.4	754.9	754.9	754.9	754.9	733.4	704.8	646.3	646.3
57.5°	586.7	646.8	671.8	691.3	694.4	697.5	694.4	691.3	671.8	646.8	586.7
60°	546.2	607.3	628.1	645.0	650.2	655.4	650.2	645.0	628.1	607.3	546.2
62.5°	506.1	565.2	586.0	602.4	605.5	608.6	605.5	602.4	586.0	565.2	506.1
65°	444.1	496.1	516.9	533.2	535.8	538.4	535.8	533.2	516.9	496.1	444.1
67.5°	387.1	429.8	444.4	455.8	457.9	460.0	457.9	455.8	444.4	429.8	387.1
70°	349.2	385.6	396.0	403.8	403.8	403.8	403.8	396.0	385.6	349.2	349.2
72.5°	303.9	334.1	344.5	352.8	354.9	357.0	354.9	352.8	344.5	334.1	303.9
75°	239.3	261.4	269.2	275.7	278.3	280.9	278.3	275.7	269.2	261.4	239.3
77.5°	175.0	189.6	194.3	198.4	201.0	203.6	201.0	198.4	194.3	189.6	175.0
80°	131.3	141.7	144.3	146.9	149.5	152.1	149.5	146.9	144.3	141.7	131.3
82.5°	92.3	99.6	102.2	104.3	104.8	105.3	104.8	104.3	102.2	99.6	92.3
85°	44.2	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	44.2
87.5°	15.5	17.4	19.3	20.3	21.4	20.9	21.4	20.3	19.3	17.4	15.5
90°	30.8	40.1	49.5	54.8	60.2	57.5	60.2	54.8	49.5	40.1	30.8
92.5°	61.8	77.6	89.1	98.7	103.0	102.5	103.0	98.7	89.1	77.6	61.8
95°	124.4	143.1	161.8	175.2	183.2	180.6	183.2	175.2	161.8	143.1	124.4
97.5°	191.8	216.9	237.8	250.4	258.4	263.8	258.4	250.4	237.8	216.9	191.8
100°	236.7	260.8	284.9	299.6	313.0	318.3	313.0	299.6	284.9	260.8	236.7
102.5°	273.1	304.7	330.9	346.7	357.9	363.3	357.9	346.7	330.9	304.7	273.1
105°	333.0	366.5	394.6	414.6	426.7	430.7	426.7	414.6	394.6	366.5	333.0
107.5°	393.0	427.5	453.4	475.6	490.3	498.9	490.3	475.6	453.4	427.5	393.0
110°	440.1	468.1	496.2	516.3	531.0	536.4	531.0	516.3	496.2	468.1	440.1



TEST NUMBER: P1435827

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

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	479.6	510.9	539.0	559.1	575.9	583.4	575.9	559.1	539.0	510.9	479.6
115°	535.0	576.5	601.9	620.6	632.7	639.3	632.7	620.6	601.9	576.5	535.0
117.5°	581.0	624.4	652.2	666.6	672.3	677.1	672.3	666.6	652.2	624.4	581.0
120°	609.9	650.0	682.1	700.9	707.6	710.2	707.6	700.9	682.1	650.0	609.9
122.5°	636.7	674.7	705.7	728.7	739.7	742.3	739.7	728.7	705.7	674.7	636.7
125°	674.1	710.2	742.3	765.1	777.1	783.8	777.1	765.1	742.3	710.2	674.1
127.5°	706.8	745.8	775.2	795.8	807.6	813.0	807.6	795.8	775.2	745.8	706.8
130°	724.9	765.1	794.5	817.2	827.9	833.3	827.9	817.2	794.5	765.1	724.9
132.5°	738.9	781.1	811.6	832.2	844.0	849.3	844.0	832.2	811.6	781.1	738.9
135°	755.7	799.9	832.0	852.0	862.7	868.1	862.7	852.0	832.0	799.9	755.7
137.5°	770.4	810.6	844.0	865.1	874.8	878.2	874.8	865.1	844.0	810.6	770.4
140°	781.1	815.9	849.3	869.4	880.1	881.4	880.1	869.4	849.3	815.9	781.1
142.5°	795.0	822.3	851.5	871.5	882.2	884.7	882.2	871.5	851.5	822.3	795.0
145°	819.9	836.0	856.0	874.8	884.1	886.8	884.1	874.8	856.0	836.0	819.9
147.5°	851.2	856.3	866.7	879.0	888.1	890.0	888.1	879.0	866.7	856.3	851.2
150°	874.8	873.4	877.4	885.5	893.5	892.1	893.5	885.5	877.4	873.4	874.8
152.5°	901.5	893.7	893.5	897.2	901.0	900.7	901.0	897.2	893.5	893.7	901.5
155°	947.0	932.3	924.2	921.6	921.6	920.2	921.6	921.6	924.2	932.3	947.0
157.5°	997.0	976.4	964.4	957.9	956.1	953.1	956.1	957.9	964.4	976.4	997.0
160°	1031.2	1008.5	996.5	985.8	981.8	977.7	981.8	985.8	996.5	1008.5	1031.2
162.5°	1063.3	1041.7	1028.6	1018.9	1014.9	1008.8	1014.9	1018.9	1028.6	1041.7	1063.3
165°	1115.5	1092.8	1078.1	1070.0	1064.7	1059.3	1064.7	1070.0	1078.1	1092.8	1115.5
167.5°	1167.7	1142.8	1133.2	1124.1	1119.0	1109.4	1119.0	1124.1	1133.2	1142.8	1167.7
170°	1199.8	1177.0	1171.7	1163.7	1154.3	1143.6	1154.3	1163.7	1171.7	1177.0	1199.8
172.5°	1227.6	1212.4	1207.0	1199.0	1196.0	1187.5	1196.0	1199.0	1207.0	1212.4	1227.6
175°	1268.0	1256.0	1256.0	1254.6	1250.6	1242.6	1250.6	1254.6	1256.0	1256.0	1268.0
177.5°	1301.7	1295.3	1299.6	1299.6	1298.5	1291.0	1298.5	1299.6	1299.6	1295.3	1301.7
180°	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2



TEST NUMBER: P1435827

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

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	1509.8	1509.8	1509.8	1509.8
2.5°	1492.6	1500.4	1500.4	1500.4
5°	1437.6	1470.8	1478.6	1486.4
7.5°	1328.8	1402.6	1437.5	1472.3
10°	1252.3	1322.5	1392.7	1463.0
12.5°	1186.8	1250.2	1349.6	1448.9
15°	1133.3	1186.6	1298.5	1410.3
17.5°	1093.9	1128.2	1245.3	1362.3
20°	1084.5	1100.1	1217.2	1334.2
22.5°	1067.4	1066.9	1181.8	1296.8
25°	1037.7	1020.2	1121.6	1223.0
27.5°	1001.8	972.7	1052.8	1132.9
30°	975.3	941.5	1009.1	1076.7
32.5°	944.1	908.7	957.6	1006.5
35°	901.2	859.6	880.4	901.2
37.5°	859.8	809.4	802.6	795.9
40°	827.1	772.4	749.0	725.6
42.5°	795.9	739.2	713.7	688.2
45°	747.1	692.5	676.9	661.3
47.5°	699.1	643.2	631.7	620.3
50°	663.2	604.7	589.1	573.5
52.5°	622.6	559.4	550.1	540.7
55°	557.9	493.5	501.3	509.1
57.5°	491.6	421.9	428.6	435.4
60°	444.7	371.9	384.9	397.9
62.5°	408.8	338.1	347.0	355.8
65°	360.9	297.1	291.9	286.7
67.5°	316.4	259.0	241.9	224.7
70°	286.7	234.1	210.7	187.3
72.5°	254.0	210.7	187.3	163.9
75°	202.9	169.7	146.3	122.9
77.5°	150.6	127.4	108.2	88.9
80°	113.1	96.2	83.2	70.2
82.5°	80.4	68.7	57.7	46.8
85°	39.0	33.8	28.6	23.4
87.5°	14.2	11.8	8.6	5.5
90°	24.1	14.7	9.4	4.0
92.5°	51.9	36.1	25.4	14.7
95°	104.3	82.9	58.9	41.5
97.5°	166.1	131.6	107.8	79.2
100°	199.3	165.9	143.1	112.4
102.5°	235.7	207.6	176.3	145.5
105°	300.9	266.2	230.1	195.3
107.5°	361.4	323.2	279.8	248.5
110°	399.9	358.5	313.0	284.9

TEST NUMBER: P1435827

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

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
112.5°	437.4	394.8	348.3	320.2
115°	488.2	441.4	398.6	374.5
117.5°	537.2	489.0	443.8	424.8
120°	567.1	519.0	474.8	460.1
122.5°	591.7	544.6	503.7	497.6
125°	628.6	580.5	545.7	553.7
127.5°	658.6	614.5	592.5	610.5
130°	676.8	638.0	624.6	650.0
132.5°	692.8	662.6	656.7	691.8
135°	716.9	699.5	704.9	753.0
137.5°	745.5	738.9	756.8	817.5
140°	763.7	767.8	793.2	861.4
142.5°	788.3	797.7	830.6	903.1
145°	826.6	846.7	889.5	961.7
147.5°	869.9	895.9	948.9	1023.0
150°	898.8	932.3	988.4	1059.3
152.5°	932.0	966.5	1022.7	1094.6
155°	983.1	1021.9	1080.7	1142.3
157.5°	1035.3	1074.9	1131.0	1184.8
160°	1067.4	1110.2	1161.0	1210.5
162.5°	1103.7	1143.3	1187.7	1231.9
165°	1157.0	1189.1	1225.2	1262.6
167.5°	1201.7	1228.4	1256.8	1285.9
170°	1230.5	1251.9	1276.0	1298.8
172.5°	1255.2	1272.3	1289.9	1309.5
175°	1288.1	1297.4	1308.1	1320.2
177.5°	1313.5	1316.7	1319.9	1325.2
180°	1324.2	1324.2	1324.2	1324.2



TEST NUMBER: P1435827  
 CATALOG NUMBER: SQ2W-FA-K-100U-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	17.40	18.26	18.37	19.24	20.52	18.60	19.46	19.57	20.44	21.72
	3H	18.49	19.26	19.47	20.24	21.55	19.85	20.61	20.82	21.60	22.90
	4H	18.84	19.57	19.83	20.56	21.87	20.24	20.96	21.22	21.95	23.26
	6H	19.01	19.67	20.00	20.67	21.99	20.40	21.06	21.40	22.06	23.38
	8H	19.04	19.67	20.05	20.69	22.01	20.42	21.05	21.43	22.07	23.39
	12H	19.04	19.64	20.05	20.65	21.99	20.40	21.01	21.42	22.01	23.36
4H	2H	18.27	18.99	19.27	19.99	21.30	19.19	19.91	20.18	20.90	22.21
	3H	19.66	20.26	20.66	21.28	22.61	20.65	21.25	21.65	22.27	23.60
	4H	20.11	20.66	21.13	21.68	23.03	21.12	21.68	22.14	22.69	24.04
	6H	20.34	20.82	21.37	21.85	23.20	21.35	21.82	22.37	22.86	24.20
	8H	20.40	20.84	21.42	21.87	23.23	21.39	21.84	22.42	22.87	24.23
	12H	20.40	20.80	21.44	21.85	23.21	21.38	21.78	22.43	22.83	24.19
8H	4H	20.50	20.94	21.52	21.97	23.33	21.32	21.76	22.34	22.79	24.15
	6H	20.85	21.21	21.90	22.28	23.64	21.63	22.00	22.68	23.07	24.43
	8H	20.96	21.29	22.02	22.34	23.72	21.73	22.05	22.79	23.11	24.48
	12H	21.00	21.28	22.06	22.34	23.76	21.74	22.03	22.80	23.08	24.50
12H	4H	20.50	20.90	21.54	21.94	23.31	21.29	21.69	22.33	22.73	24.10
	6H	20.92	21.24	21.97	22.29	23.67	21.65	21.97	22.71	23.03	24.41
	8H	21.06	21.35	22.12	22.40	23.82	21.76	22.05	22.83	23.10	24.52