

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: P1427754

Luminaire Tested: SQ2W-F-K-100U-075D-L835-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1427754  
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-075D-L835-UNV-STD-W-WM-4  
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE  
DOWNLIGHT - FROSTED CONTINUOUS ROLL LENS  
UPLIGHT - ASYMMETRIC ROLL LENS  
DOWNLIGHT 750 LUMENS PER FOOT  
UPLIGHT 1000 LUMENS PER FOOT  
Light Source: 3500K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

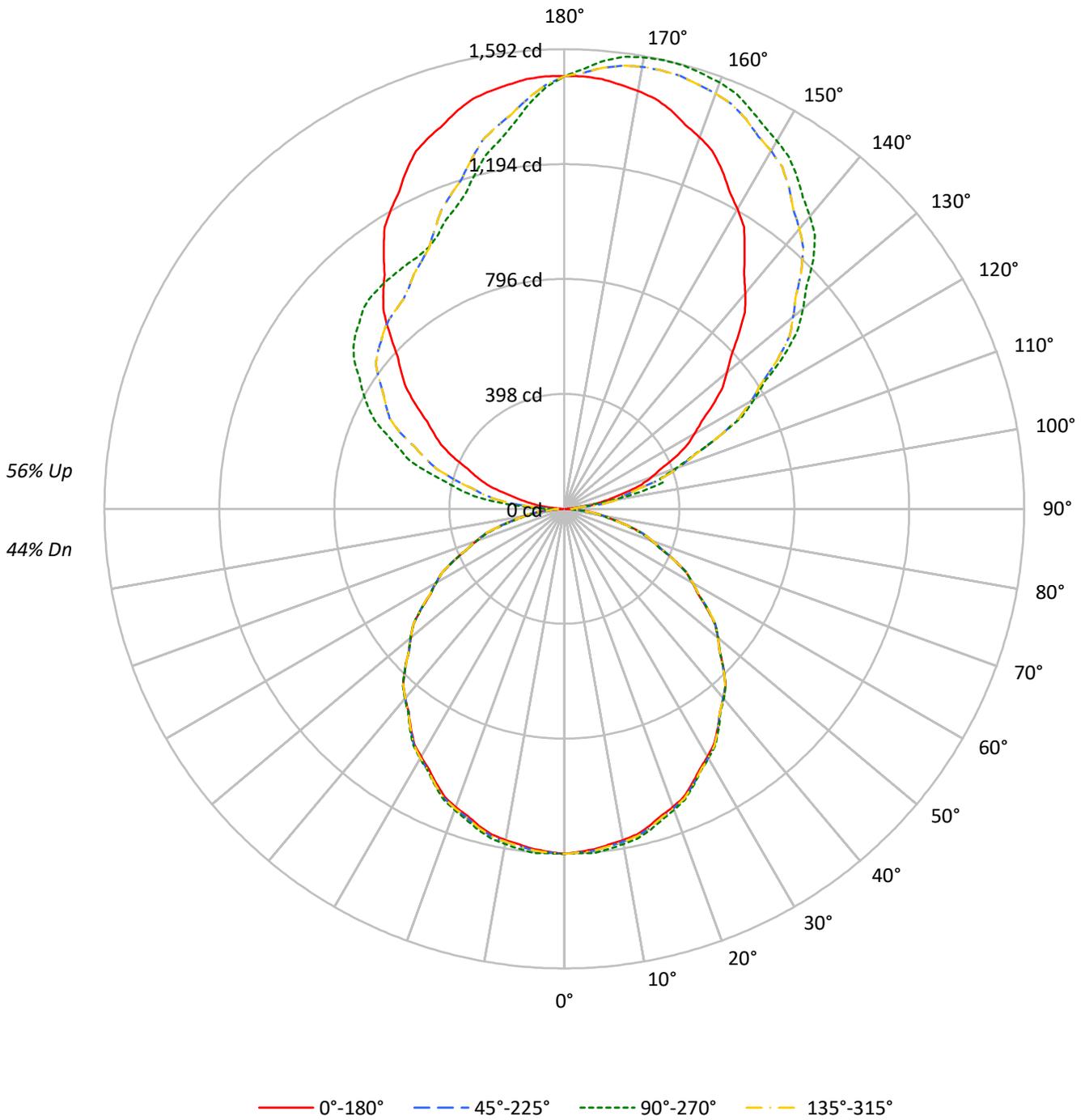
Lumens per Lamp: N/A  
Luminaire Lumens: 7745.3 lumens  
Efficiency: N/A  
Efficacy: 129.5 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.25 / 1.36  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 59.8  
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

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CATALOG NUMBER: SQ2W-F-K-100U-075D-L835-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	106	106	106	106	97	97	97	97	80	80	80	64	64	64	50	50	50	44
1	96	92	88	84	88	84	81	78	70	67	65	56	55	53	44	43	42	36
2	87	80	74	69	80	73	68	64	61	57	54	49	47	44	39	37	35	30
3	80	70	63	57	73	64	58	53	53	49	45	43	40	37	34	32	30	25
4	73	62	54	48	66	57	50	45	47	42	38	39	35	32	30	28	25	22
5	67	55	47	41	61	51	44	38	42	37	33	35	31	27	27	24	22	19
6	61	49	41	35	56	45	38	33	38	33	28	31	27	24	25	22	19	16
7	57	44	36	31	52	41	34	29	34	29	25	28	24	21	22	19	17	14
8	53	40	33	27	48	37	30	25	31	26	22	26	22	19	21	18	15	13
9	49	37	29	24	45	34	27	23	29	23	20	24	20	17	19	16	14	12
10	46	34	26	22	42	31	25	20	26	21	18	22	18	15	18	15	13	10

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

	0°	90°	180°	270°
0°	19297	19297	19297	19297
5°	19180	19398	19180	19398
10°	19111	19333	19111	19333
15°	19007	19246	19007	19246
20°	18886	19075	18886	19075
25°	18682	18848	18682	18848
30°	18485	18610	18485	18610
35°	18250	18366	18250	18366
40°	18041	18094	18041	18094
45°	17778	17778	17778	17778
50°	17422	17462	17422	17462
55°	17010	17036	17010	17036
60°	16552	16552	16552	16552
65°	16015	15950	16015	15950
70°	15257	15097	15257	15097
75°	14229	13911	14229	13911
80°	12682	12050	12682	12050
85°	10133	8577	10133	8577

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 17897 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	113.1	1.5
10°-20°	323.1	4.2
20°-30°	486.4	6.3
30°-40°	581.7	7.5
40°-50°	600.6	7.8
50°-60°	541.7	7.0
60°-70°	415.0	5.4
70°-80°	239.8	3.1
80°-90°	68.5	0.9
90°-100°	119.3	1.5
100°-110°	347.8	4.5
110°-120°	567.6	7.3
120°-130°	720.2	9.3
130°-140°	770.6	9.9
140°-150°	719.6	9.3
150°-160°	592.1	7.6
160°-170°	397.1	5.1
170°-180°	141.0	1.8
0°-30°	922.6	11.9
0°-40°	1504.3	19.4
0°-60°	2646.6	34.2
0°-90°	3370.0	43.5
90°-120°	1034.6	13.4
90°-150°	3245.1	41.9
90°-180°	4375.0	56.5
0°-180°	7745.3	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1195	1195	1195	1195	1195	
5°	1183	1197	1183	1197	1183	112
15°	1137	1151	1137	1151	1137	321
25°	1049	1058	1049	1058	1049	483
35°	926	932	926	932	926	579
45°	779	779	779	779	779	600
55°	604	605	604	605	604	540
65°	419	418	419	418	419	414
75°	228	223	228	223	228	242
85°	55	46	55	46	55	64
90°	4	33	4	65	4	6
95°	47	35	47	204	47	57
105°	221	354	221	487	221	235
115°	424	587	424	724	424	418
125°	627	931	627	887	627	561
135°	852	1218	852	982	852	659
145°	1088	1405	1088	1004	1088	681
155°	1293	1526	1293	1041	1293	594
165°	1429	1591	1429	1199	1429	402
175°	1494	1558	1494	1406	1494	142
180°	1498	1498	1498	1498	1498	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1195.2	1195.2	1195.2	1195.2	1195.2	1195.2	1195.2	1195.2	1195.2	1195.2	1195.2
2.5°	1189.1	1194.8	1200.5	1198.1	1193.0	1191.1	1192.3	1193.3	1193.9	1194.5	1193.9
5°	1183.4	1190.9	1198.4	1195.8	1189.8	1187.2	1187.9	1189.4	1193.1	1196.9	1193.1
7.5°	1173.8	1181.3	1188.8	1186.4	1180.7	1178.3	1179.2	1180.9	1184.7	1188.6	1184.7
10°	1165.7	1173.2	1180.7	1178.1	1172.1	1169.9	1171.4	1173.2	1176.2	1179.2	1176.2
12.5°	1155.6	1163.1	1170.6	1168.4	1163.1	1160.8	1161.7	1163.2	1166.5	1169.8	1166.5
15°	1137.1	1144.6	1152.1	1150.0	1144.8	1142.7	1143.9	1145.4	1148.4	1151.4	1148.4
17.5°	1114.7	1121.8	1128.8	1126.9	1122.1	1120.3	1121.5	1123.1	1125.8	1128.4	1125.8
20°	1099.2	1106.0	1112.7	1110.8	1105.9	1103.6	1104.0	1105.0	1107.6	1110.2	1107.6
22.5°	1080.4	1087.1	1093.9	1092.1	1087.6	1084.9	1084.0	1084.2	1087.4	1090.7	1087.4
25°	1048.7	1055.5	1062.2	1060.8	1056.7	1054.1	1053.0	1052.8	1055.4	1058.0	1055.4
27.5°	1015.8	1021.4	1027.0	1025.8	1022.4	1020.3	1019.5	1019.4	1021.3	1023.2	1021.3
30°	991.5	997.1	1002.7	1001.3	997.6	995.3	994.6	994.5	996.4	998.2	996.4
32.5°	965.9	971.2	976.5	974.6	970.3	968.0	967.9	968.3	970.5	972.7	970.5
35°	925.9	930.4	934.8	932.9	928.8	926.9	927.3	928.0	929.9	931.8	929.9
37.5°	885.6	889.1	892.5	890.5	886.7	884.7	884.7	885.0	886.6	888.2	886.6
40°	856.0	859.7	863.5	861.3	857.2	855.0	854.6	854.8	856.7	858.5	856.7
42.5°	825.7	828.5	831.4	829.5	825.9	824.3	824.5	824.9	825.9	826.9	825.9
45°	778.6	781.2	783.8	781.9	778.6	776.9	776.9	777.1	777.8	778.6	777.8
47.5°	729.2	731.3	733.3	731.8	729.2	727.7	727.2	727.2	728.4	729.6	728.4
50°	693.6	696.2	698.8	697.5	694.9	693.2	692.4	692.2	693.7	695.2	693.7
52.5°	658.5	661.5	664.4	663.1	660.5	658.7	657.6	657.2	658.4	659.5	658.4
55°	604.3	607.7	611.1	610.2	608.0	606.1	604.6	603.7	604.4	605.2	604.4
57.5°	549.0	552.2	555.5	554.9	553.0	551.1	549.3	548.2	549.3	550.3	549.3
60°	512.6	515.6	518.6	517.6	515.4	513.5	512.0	511.1	511.8	512.6	511.8
62.5°	475.6	478.5	481.5	480.4	477.8	475.8	474.3	473.4	474.1	474.9	474.1
65°	419.2	421.8	424.4	423.4	421.1	419.3	417.8	416.7	417.1	417.5	417.1
67.5°	362.3	364.5	366.8	365.7	363.5	361.3	359.2	357.7	358.3	358.9	358.3
70°	323.2	325.5	327.7	326.9	325.0	323.1	321.2	319.8	319.8	319.8	319.8
72.5°	285.5	287.4	289.4	288.3	286.1	284.2	282.6	281.5	281.5	281.5	281.5
75°	228.1	229.2	230.3	229.8	228.7	227.2	225.3	223.8	223.4	223.0	223.4
77.5°	172.7	172.7	172.7	171.6	170.2	168.8	167.4	166.2	165.8	165.3	165.8
80°	136.4	136.4	136.4	135.5	134.4	133.3	132.1	131.1	130.4	129.6	130.4
82.5°	102.7	102.1	101.5	100.5	99.4	98.0	96.2	95.1	95.9	96.6	95.9
85°	54.7	54.0	53.2	52.2	51.1	49.8	48.3	47.0	46.7	46.3	46.7
87.5°	17.7	18.4	19.3	19.7	19.7	18.9	17.7	17.1	17.1	16.8	17.1
90°	4.5	10.6	18.2	24.2	28.8	30.3	30.3	31.8	33.3	33.3	33.3
92.5°	16.7	26.3	26.6	26.6	32.4	35.1	37.5	37.8	39.4	39.4	39.4
95°	46.9	51.5	77.2	75.7	51.5	40.9	34.8	34.8	34.8	34.8	34.8
97.5°	89.6	96.3	100.5	134.7	142.3	137.4	112.0	94.1	84.2	79.6	84.2
100°	127.1	130.2	139.3	140.8	178.6	214.9	196.8	174.1	166.5	162.0	166.5
102.5°	164.7	166.5	180.4	186.8	195.6	216.1	279.1	272.2	267.0	266.1	267.0
105°	221.0	222.5	248.2	260.3	266.4	266.4	264.9	295.2	343.6	354.2	343.6
107.5°	281.2	288.2	318.5	350.9	357.8	359.6	351.8	347.2	345.4	346.6	345.4
110°	322.4	333.0	369.3	410.2	420.8	423.8	420.8	416.3	413.2	413.2	413.2



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	362.4	377.8	419.0	465.9	483.8	492.8	486.2	482.9	479.8	482.2	479.8
115°	423.8	446.5	501.0	549.5	585.8	590.3	588.8	588.8	587.3	587.3	587.3
117.5°	480.7	517.1	578.2	634.5	676.6	688.7	694.8	692.9	691.1	694.2	691.1
120°	520.7	563.1	632.7	696.3	737.1	755.3	761.4	758.3	761.4	758.3	761.4
122.5°	563.1	615.1	683.6	749.6	797.7	818.3	825.5	826.2	826.8	824.9	826.8
125°	626.7	690.2	770.4	838.6	888.5	912.7	918.8	920.3	923.3	930.9	923.3
127.5°	690.8	762.9	851.0	916.7	967.8	997.2	1006.6	1009.9	1016.3	1019.6	1016.3
130°	735.6	817.4	906.7	968.7	1018.7	1050.5	1067.1	1071.7	1079.2	1077.7	1079.2
132.5°	782.9	868.2	958.7	1023.2	1069.5	1103.8	1118.0	1131.0	1133.7	1135.8	1133.7
135°	852.2	944.5	1035.3	1098.9	1142.8	1176.1	1194.3	1206.4	1213.9	1218.5	1213.9
137.5°	925.1	1022.6	1109.8	1166.4	1210.6	1239.4	1260.0	1272.7	1280.5	1284.2	1280.5
140°	974.8	1068.6	1153.4	1212.4	1251.8	1280.5	1298.7	1313.8	1322.9	1322.9	1322.9
142.5°	1022.0	1114.7	1197.0	1256.0	1290.5	1316.9	1336.3	1347.8	1358.0	1358.0	1358.0
145°	1088.3	1180.6	1256.3	1315.4	1344.1	1368.3	1389.5	1398.6	1404.7	1404.7	1404.7
147.5°	1157.6	1239.4	1308.4	1365.0	1389.2	1417.7	1434.3	1441.6	1449.2	1445.8	1449.2
150°	1198.8	1274.5	1341.1	1394.1	1418.3	1445.5	1462.2	1468.2	1475.8	1471.3	1475.8
152.5°	1238.8	1310.8	1371.4	1420.7	1441.3	1468.5	1487.6	1493.7	1498.8	1495.5	1498.8
155°	1292.7	1356.2	1412.2	1457.6	1475.8	1501.5	1519.7	1527.3	1533.3	1525.8	1533.3
157.5°	1340.8	1395.6	1444.3	1486.1	1505.5	1527.6	1544.5	1553.9	1560.0	1556.6	1560.0
160°	1369.9	1419.8	1463.7	1503.1	1521.2	1540.9	1559.1	1569.7	1575.7	1571.2	1575.7
162.5°	1394.1	1439.2	1480.7	1516.4	1532.1	1549.4	1571.2	1580.6	1586.6	1580.9	1586.6
165°	1428.9	1465.2	1501.5	1531.8	1545.4	1559.1	1581.8	1592.4	1596.9	1590.8	1596.9
167.5°	1455.2	1483.1	1512.4	1538.5	1548.5	1561.8	1584.5	1593.3	1599.0	1591.5	1599.0
170°	1469.8	1494.0	1519.7	1540.9	1548.5	1560.6	1583.3	1590.8	1595.4	1587.8	1595.4
172.5°	1481.9	1500.0	1520.9	1539.7	1543.6	1553.3	1574.8	1582.4	1585.7	1579.3	1585.7
175°	1494.0	1504.6	1519.7	1531.8	1530.3	1536.4	1554.5	1560.6	1566.6	1557.5	1566.6
177.5°	1499.7	1504.6	1509.4	1516.7	1511.8	1511.8	1525.2	1528.8	1530.0	1525.2	1530.0
180°	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5



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**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1195.2	1195.2	1195.2	1195.2	1195.2	1195.2	1195.2	1195.2	1195.2	1195.2	1195.2
2.5°	1193.3	1192.3	1191.1	1193.0	1198.1	1200.5	1194.8	1189.1	1194.8	1200.5	1198.1
5°	1189.4	1187.9	1187.2	1189.8	1195.8	1198.4	1190.9	1183.4	1190.9	1198.4	1195.8
7.5°	1180.9	1179.2	1178.3	1180.7	1186.4	1188.8	1181.3	1173.8	1181.3	1188.8	1186.4
10°	1173.2	1171.4	1169.9	1172.1	1178.1	1180.7	1173.2	1165.7	1173.2	1180.7	1178.1
12.5°	1163.2	1161.7	1160.8	1163.1	1168.4	1170.6	1163.1	1155.6	1163.1	1170.6	1168.4
15°	1145.4	1143.9	1142.7	1144.8	1150.0	1152.1	1144.6	1137.1	1144.6	1152.1	1150.0
17.5°	1123.1	1121.5	1120.3	1122.1	1126.9	1128.8	1121.8	1114.7	1121.8	1128.8	1126.9
20°	1105.0	1104.0	1103.6	1105.9	1110.8	1112.7	1106.0	1099.2	1106.0	1112.7	1110.8
22.5°	1084.2	1084.0	1084.9	1087.6	1092.1	1093.9	1087.1	1080.4	1087.1	1093.9	1092.1
25°	1052.8	1053.0	1054.1	1056.7	1060.8	1062.2	1055.5	1048.7	1055.5	1062.2	1060.8
27.5°	1019.4	1019.5	1020.3	1022.4	1025.8	1027.0	1021.4	1015.8	1021.4	1027.0	1025.8
30°	994.5	994.6	995.3	997.6	1001.3	1002.7	997.1	991.5	997.1	1002.7	1001.3
32.5°	968.3	967.9	968.0	970.3	974.6	976.5	971.2	965.9	971.2	976.5	974.6
35°	928.0	927.3	926.9	928.8	932.9	934.8	930.4	925.9	930.4	934.8	932.9
37.5°	885.0	884.7	884.7	886.7	890.5	892.5	889.1	885.6	889.1	892.5	890.5
40°	854.8	854.6	855.0	857.2	861.3	863.5	859.7	856.0	859.7	863.5	861.3
42.5°	824.9	824.5	824.3	825.9	829.5	831.4	828.5	825.7	828.5	831.4	829.5
45°	777.1	776.9	776.9	778.6	781.9	783.8	781.2	778.6	781.2	783.8	781.9
47.5°	727.2	727.2	727.7	729.2	731.8	733.3	731.3	729.2	731.3	733.3	731.8
50°	692.2	692.4	693.2	694.9	697.5	698.8	696.2	693.6	696.2	698.8	697.5
52.5°	657.2	657.6	658.7	660.5	663.1	664.4	661.5	658.5	661.5	664.4	663.1
55°	603.7	604.6	606.1	608.0	610.2	611.1	607.7	604.3	607.7	611.1	610.2
57.5°	548.2	549.3	551.1	553.0	554.9	555.5	552.2	549.0	552.2	555.5	554.9
60°	511.1	512.0	513.5	515.4	517.6	518.6	515.6	512.6	515.6	518.6	517.6
62.5°	473.4	474.3	475.8	477.8	480.4	481.5	478.5	475.6	478.5	481.5	480.4
65°	416.7	417.8	419.3	421.1	423.4	424.4	421.8	419.2	421.8	424.4	423.4
67.5°	357.7	359.2	361.3	363.5	365.7	366.8	364.5	362.3	364.5	366.8	365.7
70°	319.8	321.2	323.1	325.0	326.9	327.7	325.5	323.2	325.5	327.7	326.9
72.5°	281.5	282.6	284.2	286.1	288.3	289.4	287.4	285.5	287.4	289.4	288.3
75°	223.8	225.3	227.2	228.7	229.8	230.3	229.2	228.1	229.2	230.3	229.8
77.5°	166.2	167.4	168.8	170.2	171.6	172.7	172.7	172.7	172.7	172.7	171.6
80°	131.1	132.1	133.3	134.4	135.5	136.4	136.4	136.4	136.4	136.4	135.5
82.5°	95.1	96.2	98.0	99.4	100.5	101.5	102.1	102.7	102.1	101.5	100.5
85°	47.0	48.3	49.8	51.1	52.2	53.2	54.0	54.7	54.0	53.2	52.2
87.5°	17.1	17.7	18.9	19.7	19.7	19.3	18.4	17.7	18.4	19.0	20.3
90°	31.8	30.3	30.3	28.8	24.2	18.2	10.6	4.5	10.6	16.7	27.2
92.5°	37.8	37.5	35.1	32.4	26.6	26.6	26.3	16.7	28.8	40.9	58.7
95°	34.8	34.8	40.9	51.5	75.7	77.2	51.5	46.9	66.6	93.8	118.1
97.5°	94.1	112.0	137.4	142.3	134.7	100.5	96.3	89.6	122.0	148.9	188.0
100°	174.1	196.8	214.9	178.6	140.8	139.3	130.2	127.1	162.0	187.7	225.5
102.5°	272.2	279.1	216.1	195.6	186.8	180.4	166.5	164.7	199.5	234.9	266.7
105°	295.2	264.9	266.4	266.4	260.3	248.2	222.5	221.0	260.3	301.2	340.6
107.5°	347.2	351.8	359.6	357.8	350.9	318.5	288.2	281.2	316.7	365.7	409.0
110°	416.3	420.8	423.8	420.8	410.2	369.3	333.0	322.4	354.2	405.7	452.6



TEST NUMBER: P1427754

CATALOG NUMBER: SQ2W-F-K-100U-075D-L835-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	482.9	486.2	492.8	483.8	465.9	419.0	377.8	362.4	394.2	446.8	495.0
115°	588.8	588.8	590.3	585.8	549.5	501.0	446.5	423.8	451.1	499.5	552.5
117.5°	692.9	694.8	688.7	676.6	634.5	578.2	517.1	480.7	502.2	553.4	607.9
120°	758.3	761.4	755.3	737.1	696.3	632.7	563.1	520.7	537.3	587.3	641.8
122.5°	826.2	825.5	818.3	797.7	749.6	683.6	615.1	563.1	570.0	616.4	669.6
125°	920.3	918.8	912.7	888.5	838.6	770.4	690.2	626.7	617.6	656.9	711.4
127.5°	1009.9	1006.6	997.2	967.8	916.7	851.0	762.9	690.8	670.5	695.4	745.3
130°	1071.7	1067.1	1050.5	1018.7	968.7	906.7	817.4	735.6	706.9	722.0	765.9
132.5°	1131.0	1118.0	1103.8	1069.5	1023.2	958.7	868.2	782.9	743.2	749.9	784.1
135°	1206.4	1194.3	1176.1	1142.8	1098.9	1035.3	944.5	852.2	797.7	791.6	811.3
137.5°	1272.7	1260.0	1239.4	1210.6	1166.4	1109.8	1022.6	925.1	856.4	836.1	843.7
140°	1313.8	1298.7	1280.5	1251.8	1212.4	1153.4	1068.6	974.8	897.6	868.8	864.3
142.5°	1347.8	1336.3	1316.9	1290.5	1256.0	1197.0	1114.7	1022.0	940.0	902.7	892.1
145°	1398.6	1389.5	1368.3	1344.1	1315.4	1256.3	1180.6	1088.3	1006.6	958.1	935.4
147.5°	1441.6	1434.3	1417.7	1389.2	1365.0	1308.4	1239.4	1157.6	1073.8	1013.8	984.5
150°	1468.2	1462.2	1445.5	1418.3	1394.1	1341.1	1274.5	1198.8	1118.6	1055.0	1017.2
152.5°	1493.7	1487.6	1468.5	1441.3	1420.7	1371.4	1310.8	1238.8	1157.3	1093.8	1054.7
155°	1527.3	1519.7	1501.5	1475.8	1457.6	1412.2	1356.2	1292.7	1223.0	1156.4	1112.5
157.5°	1553.9	1544.5	1527.6	1505.5	1486.1	1444.3	1395.6	1340.8	1279.9	1216.4	1171.6
160°	1569.7	1559.1	1540.9	1521.2	1503.1	1463.7	1419.8	1369.9	1313.8	1256.3	1207.9
162.5°	1580.6	1571.2	1549.4	1532.1	1516.4	1480.7	1439.2	1394.1	1344.1	1293.9	1249.1
165°	1592.4	1581.8	1559.1	1545.4	1531.8	1501.5	1465.2	1428.9	1386.5	1345.6	1309.3
167.5°	1593.3	1584.5	1561.8	1548.5	1538.5	1512.4	1483.1	1455.2	1422.2	1390.1	1359.9
170°	1590.8	1583.3	1560.6	1548.5	1540.9	1519.7	1494.0	1469.8	1444.0	1416.8	1392.6
172.5°	1582.4	1574.8	1553.3	1543.6	1539.7	1520.9	1500.0	1481.9	1459.8	1439.8	1420.4
175°	1560.6	1554.5	1536.4	1530.3	1531.8	1519.7	1504.6	1494.0	1480.4	1468.2	1457.6
177.5°	1528.8	1525.2	1511.8	1511.8	1516.7	1509.4	1504.6	1499.7	1493.7	1490.0	1486.4
180°	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5



TEST NUMBER: P1427754

CATALOG NUMBER: SQ2W-F-K-100U-075D-L835-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1195.2	1195.2	1195.2	1195.2	1195.2	1195.2	1195.2	1195.2	1195.2	1195.2	1195.2
2.5°	1193.0	1191.1	1192.3	1193.3	1193.9	1194.5	1193.9	1193.3	1192.3	1191.1	1193.0
5°	1189.8	1187.2	1187.9	1189.4	1193.1	1196.9	1193.1	1189.4	1187.9	1187.2	1189.8
7.5°	1180.7	1178.3	1179.2	1180.9	1184.7	1188.6	1184.7	1180.9	1179.2	1178.3	1180.7
10°	1172.1	1169.9	1171.4	1173.2	1176.2	1179.2	1176.2	1173.2	1171.4	1169.9	1172.1
12.5°	1163.1	1160.8	1161.7	1163.2	1166.5	1169.8	1166.5	1163.2	1161.7	1160.8	1163.1
15°	1144.8	1142.7	1143.9	1145.4	1148.4	1151.4	1148.4	1145.4	1143.9	1142.7	1144.8
17.5°	1122.1	1120.3	1121.5	1123.1	1125.8	1128.4	1125.8	1123.1	1121.5	1120.3	1122.1
20°	1105.9	1103.6	1104.0	1105.0	1107.6	1110.2	1107.6	1105.0	1104.0	1103.6	1105.9
22.5°	1087.6	1084.9	1084.0	1084.2	1087.4	1090.7	1087.4	1084.2	1084.0	1084.9	1087.6
25°	1056.7	1054.1	1053.0	1052.8	1055.4	1058.0	1055.4	1052.8	1053.0	1054.1	1056.7
27.5°	1022.4	1020.3	1019.5	1019.4	1021.3	1023.2	1021.3	1019.4	1019.5	1020.3	1022.4
30°	997.6	995.3	994.6	994.5	996.4	998.2	996.4	994.5	994.6	995.3	997.6
32.5°	970.3	968.0	967.9	968.3	970.5	972.7	970.5	968.3	967.9	968.0	970.3
35°	928.8	926.9	927.3	928.0	929.9	931.8	929.9	928.0	927.3	926.9	928.8
37.5°	886.7	884.7	884.7	885.0	886.6	888.2	886.6	885.0	884.7	884.7	886.7
40°	857.2	855.0	854.6	854.8	856.7	858.5	856.7	854.8	854.6	855.0	857.2
42.5°	825.9	824.3	824.5	824.9	825.9	826.9	825.9	824.9	824.5	824.3	825.9
45°	778.6	776.9	776.9	777.1	777.8	778.6	777.8	777.1	776.9	776.9	778.6
47.5°	729.2	727.7	727.2	727.2	728.4	729.6	728.4	727.2	727.2	727.7	729.2
50°	694.9	693.2	692.4	692.2	693.7	695.2	693.7	692.2	692.4	693.2	694.9
52.5°	660.5	658.7	657.6	657.2	658.4	659.5	658.4	657.2	657.6	658.7	660.5
55°	608.0	606.1	604.6	603.7	604.4	605.2	604.4	603.7	604.6	606.1	608.0
57.5°	553.0	551.1	549.3	548.2	549.3	550.3	549.3	548.2	549.3	551.1	553.0
60°	515.4	513.5	512.0	511.1	511.8	512.6	511.8	511.1	512.0	513.5	515.4
62.5°	477.8	475.8	474.3	473.4	474.1	474.9	474.1	473.4	474.3	475.8	477.8
65°	421.1	419.3	417.8	416.7	417.1	417.5	417.1	416.7	417.8	419.3	421.1
67.5°	363.5	361.3	359.2	357.7	358.3	358.9	358.3	357.7	359.2	361.3	363.5
70°	325.0	323.1	321.2	319.8	319.8	319.8	319.8	319.8	321.2	323.1	325.0
72.5°	286.1	284.2	282.6	281.5	281.5	281.5	281.5	281.5	282.6	284.2	286.1
75°	228.7	227.2	225.3	223.8	223.4	223.0	223.4	223.8	225.3	227.2	228.7
77.5°	170.2	168.8	167.4	166.2	165.8	165.3	165.8	166.2	167.4	168.8	170.2
80°	134.4	133.3	132.1	131.1	130.4	129.6	130.4	131.1	132.1	133.3	134.4
82.5°	99.4	98.0	96.2	95.1	95.9	96.6	95.9	95.1	96.2	98.0	99.4
85°	51.1	49.8	48.3	47.0	46.7	46.3	46.7	47.0	48.3	49.8	51.1
87.5°	20.9	22.0	22.9	23.1	24.0	23.1	24.0	23.1	22.9	22.0	20.9
90°	34.8	45.4	56.0	62.1	68.1	65.1	68.1	62.1	56.0	45.4	34.8
92.5°	69.9	87.8	100.8	111.7	116.6	115.9	116.6	111.7	100.8	87.8	69.9
95°	140.8	162.0	183.2	198.3	207.4	204.3	207.4	198.3	183.2	162.0	140.8
97.5°	217.1	245.5	269.1	283.4	292.4	298.5	292.4	283.4	269.1	245.5	217.1
100°	267.9	295.2	322.4	339.1	354.2	360.2	354.2	339.1	322.4	295.2	267.9
102.5°	309.1	344.8	374.5	392.3	405.1	411.1	405.1	392.3	374.5	344.8	309.1
105°	376.9	414.7	446.5	469.2	482.9	487.4	482.9	469.2	446.5	414.7	376.9
107.5°	444.7	483.8	513.1	538.3	554.9	564.6	554.9	538.3	513.1	483.8	444.7
110°	498.0	529.8	561.6	584.3	600.9	607.0	600.9	584.3	561.6	529.8	498.0



TEST NUMBER: P1427754

CATALOG NUMBER: SQ2W-F-K-100U-075D-L835-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	542.8	578.2	610.0	632.7	651.8	660.3	651.8	632.7	610.0	578.2	542.8
115°	605.5	652.4	681.1	702.3	716.0	723.5	716.0	702.3	681.1	652.4	605.5
117.5°	657.5	706.6	738.1	754.4	760.8	766.2	760.8	754.4	738.1	706.6	657.5
120°	690.2	735.6	772.0	793.2	800.7	803.7	800.7	793.2	772.0	735.6	690.2
122.5°	720.5	763.5	798.6	824.6	837.0	840.1	837.0	824.6	798.6	763.5	720.5
125°	762.9	803.7	840.1	865.8	879.4	887.0	879.4	865.8	840.1	803.7	762.9
127.5°	799.8	844.0	877.3	900.6	913.9	920.0	913.9	900.6	877.3	844.0	799.8
130°	820.4	865.8	899.1	924.8	937.0	943.0	937.0	924.8	899.1	865.8	820.4
132.5°	836.1	884.0	918.5	941.8	955.1	961.2	955.1	941.8	918.5	884.0	836.1
135°	855.2	905.2	941.5	964.2	976.3	982.4	976.3	964.2	941.5	905.2	855.2
137.5°	871.9	917.3	955.1	979.0	989.9	993.9	989.9	979.0	955.1	917.3	871.9
140°	884.0	923.3	961.2	983.9	996.0	997.5	996.0	983.9	961.2	923.3	884.0
142.5°	899.7	930.6	963.6	986.3	998.4	1001.1	998.4	986.3	963.6	930.6	899.7
145°	927.9	946.0	968.7	989.9	1000.5	1003.6	1000.5	989.9	968.7	946.0	927.9
147.5°	963.3	969.0	980.8	994.8	1005.1	1007.2	1005.1	994.8	980.8	969.0	963.3
150°	989.9	988.4	993.0	1002.0	1011.1	1009.6	1011.1	1002.0	993.0	988.4	989.9
152.5°	1020.2	1011.4	1011.1	1015.4	1019.6	1019.3	1019.6	1015.4	1011.1	1011.4	1020.2
155°	1071.7	1055.0	1045.9	1042.9	1042.9	1041.4	1042.9	1042.9	1045.9	1055.0	1071.7
157.5°	1128.3	1105.0	1091.3	1084.1	1082.0	1078.6	1082.0	1084.1	1091.3	1105.0	1128.3
160°	1167.0	1141.3	1127.7	1115.6	1111.0	1106.5	1111.0	1115.6	1127.7	1141.3	1167.0
162.5°	1203.4	1178.8	1164.0	1153.1	1148.6	1141.6	1148.6	1153.1	1164.0	1178.8	1203.4
165°	1262.4	1236.7	1220.0	1210.9	1204.9	1198.8	1204.9	1210.9	1220.0	1236.7	1262.4
167.5°	1321.4	1293.3	1282.4	1272.1	1266.3	1255.4	1266.3	1272.1	1282.4	1293.3	1321.4
170°	1357.7	1332.0	1326.0	1316.9	1306.3	1294.2	1306.3	1316.9	1326.0	1332.0	1357.7
172.5°	1389.2	1372.0	1365.9	1356.8	1353.5	1343.8	1353.5	1356.8	1365.9	1372.0	1389.2
175°	1434.9	1421.3	1421.3	1419.8	1415.3	1406.2	1415.3	1419.8	1421.3	1421.3	1434.9
177.5°	1473.1	1465.8	1470.7	1470.7	1469.5	1461.0	1469.5	1470.7	1470.7	1465.8	1473.1
180°	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5



TEST NUMBER: P1427754

CATALOG NUMBER: SQ2W-F-K-100U-075D-L835-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	1195.2	1195.2	1195.2	1195.2
2.5°	1198.1	1200.5	1194.8	1189.1
5°	1195.8	1198.4	1190.9	1183.4
7.5°	1186.4	1188.8	1181.3	1173.8
10°	1178.1	1180.7	1173.2	1165.7
12.5°	1168.4	1170.6	1163.1	1155.6
15°	1150.0	1152.1	1144.6	1137.1
17.5°	1126.9	1128.8	1121.8	1114.7
20°	1110.8	1112.7	1106.0	1099.2
22.5°	1092.1	1093.9	1087.1	1080.4
25°	1060.8	1062.2	1055.5	1048.7
27.5°	1025.8	1027.0	1021.4	1015.8
30°	1001.3	1002.7	997.1	991.5
32.5°	974.6	976.5	971.2	965.9
35°	932.9	934.8	930.4	925.9
37.5°	890.5	892.5	889.1	885.6
40°	861.3	863.5	859.7	856.0
42.5°	829.5	831.4	828.5	825.7
45°	781.9	783.8	781.2	778.6
47.5°	731.8	733.3	731.3	729.2
50°	697.5	698.8	696.2	693.6
52.5°	663.1	664.4	661.5	658.5
55°	610.2	611.1	607.7	604.3
57.5°	554.9	555.5	552.2	549.0
60°	517.6	518.6	515.6	512.6
62.5°	480.4	481.5	478.5	475.6
65°	423.4	424.4	421.8	419.2
67.5°	365.7	366.8	364.5	362.3
70°	326.9	327.7	325.5	323.2
72.5°	288.3	289.4	287.4	285.5
75°	229.8	230.3	229.2	228.1
77.5°	171.6	172.7	172.7	172.7
80°	135.5	136.4	136.4	136.4
82.5°	100.5	101.5	102.1	102.7
85°	52.2	53.2	54.0	54.7
87.5°	20.3	19.0	18.4	17.7
90°	27.2	16.7	10.6	4.5
92.5°	58.7	40.9	28.8	16.7
95°	118.1	93.8	66.6	46.9
97.5°	188.0	148.9	122.0	89.6
100°	225.5	187.7	162.0	127.1
102.5°	266.7	234.9	199.5	164.7
105°	340.6	301.2	260.3	221.0
107.5°	409.0	365.7	316.7	281.2
110°	452.6	405.7	354.2	322.4



TEST NUMBER: P1427754

CATALOG NUMBER: SQ2W-F-K-100U-075D-L835-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
112.5°	495.0	446.8	394.2	362.4
115°	552.5	499.5	451.1	423.8
117.5°	607.9	553.4	502.2	480.7
120°	641.8	587.3	537.3	520.7
122.5°	669.6	616.4	570.0	563.1
125°	711.4	656.9	617.6	626.7
127.5°	745.3	695.4	670.5	690.8
130°	765.9	722.0	706.9	735.6
132.5°	784.1	749.9	743.2	782.9
135°	811.3	791.6	797.7	852.2
137.5°	843.7	836.1	856.4	925.1
140°	864.3	868.8	897.6	974.8
142.5°	892.1	902.7	940.0	1022.0
145°	935.4	958.1	1006.6	1088.3
147.5°	984.5	1013.8	1073.8	1157.6
150°	1017.2	1055.0	1118.6	1198.8
152.5°	1054.7	1093.8	1157.3	1238.8
155°	1112.5	1156.4	1223.0	1292.7
157.5°	1171.6	1216.4	1279.9	1340.8
160°	1207.9	1256.3	1313.8	1369.9
162.5°	1249.1	1293.9	1344.1	1394.1
165°	1309.3	1345.6	1386.5	1428.9
167.5°	1359.9	1390.1	1422.2	1455.2
170°	1392.6	1416.8	1444.0	1469.8
172.5°	1420.4	1439.8	1459.8	1481.9
175°	1457.6	1468.2	1480.4	1494.0
177.5°	1486.4	1490.0	1493.7	1499.7
180°	1498.5	1498.5	1498.5	1498.5



TEST NUMBER: P1427754  
 CATALOG NUMBER: SQ2W-F-K-100U-075D-L835-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	17.51	18.33	18.52	19.35	20.71	17.43	18.25	18.44	19.27	20.63
	3H	19.30	20.03	20.32	21.06	22.44	19.20	19.93	20.22	20.96	22.34
	4H	19.99	20.69	21.03	21.72	23.11	19.88	20.57	20.91	21.61	22.99
	6H	20.43	21.07	21.47	22.11	23.51	20.29	20.93	21.33	21.96	23.36
	8H	20.59	21.20	21.64	22.25	23.65	20.43	21.04	21.48	22.09	23.49
	12H	20.67	21.25	21.72	22.30	23.72	20.50	21.07	21.55	22.12	23.54
4H	2H	18.09	18.78	19.13	19.81	21.20	18.02	18.72	19.06	19.75	21.14
	3H	20.11	20.69	21.15	21.75	23.15	20.01	20.59	21.06	21.65	23.05
	4H	20.92	21.45	21.97	22.50	23.92	20.81	21.34	21.86	22.39	23.81
	6H	21.47	21.93	22.53	23.00	24.42	21.33	21.79	22.39	22.86	24.28
	8H	21.68	22.11	22.75	23.18	24.61	21.52	21.95	22.59	23.02	24.45
	12H	21.79	22.18	22.88	23.26	24.70	21.61	21.99	22.69	23.08	24.51
8H	4H	21.16	21.59	22.22	22.65	24.09	21.06	21.49	22.13	22.56	23.99
	6H	21.85	22.20	22.93	23.31	24.74	21.72	22.07	22.80	23.18	24.61
	8H	22.15	22.46	23.25	23.55	25.00	22.00	22.31	23.09	23.40	24.85
	12H	22.33	22.61	23.43	23.69	25.18	22.14	22.41	23.24	23.50	24.99
12H	4H	21.15	21.54	22.23	22.62	24.06	21.06	21.45	22.14	22.53	23.97
	6H	21.90	22.21	22.99	23.30	24.75	21.77	22.08	22.86	23.17	24.62
	8H	22.23	22.50	23.33	23.59	25.08	22.08	22.35	23.18	23.44	24.93