

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: P1427760

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

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1427760  
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-100D-L835-UNV-STD-W-WM-4  
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE  
DOWNLIGHT - FROSTED CONTINUOUS ROLL LENS  
UPLIGHT - ASYMMETRIC ROLL LENS  
DOWNLIGHT 1000 LUMENS PER FOOT  
UPLIGHT 1000 LUMENS PER FOOT  
Light Source: 3500K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

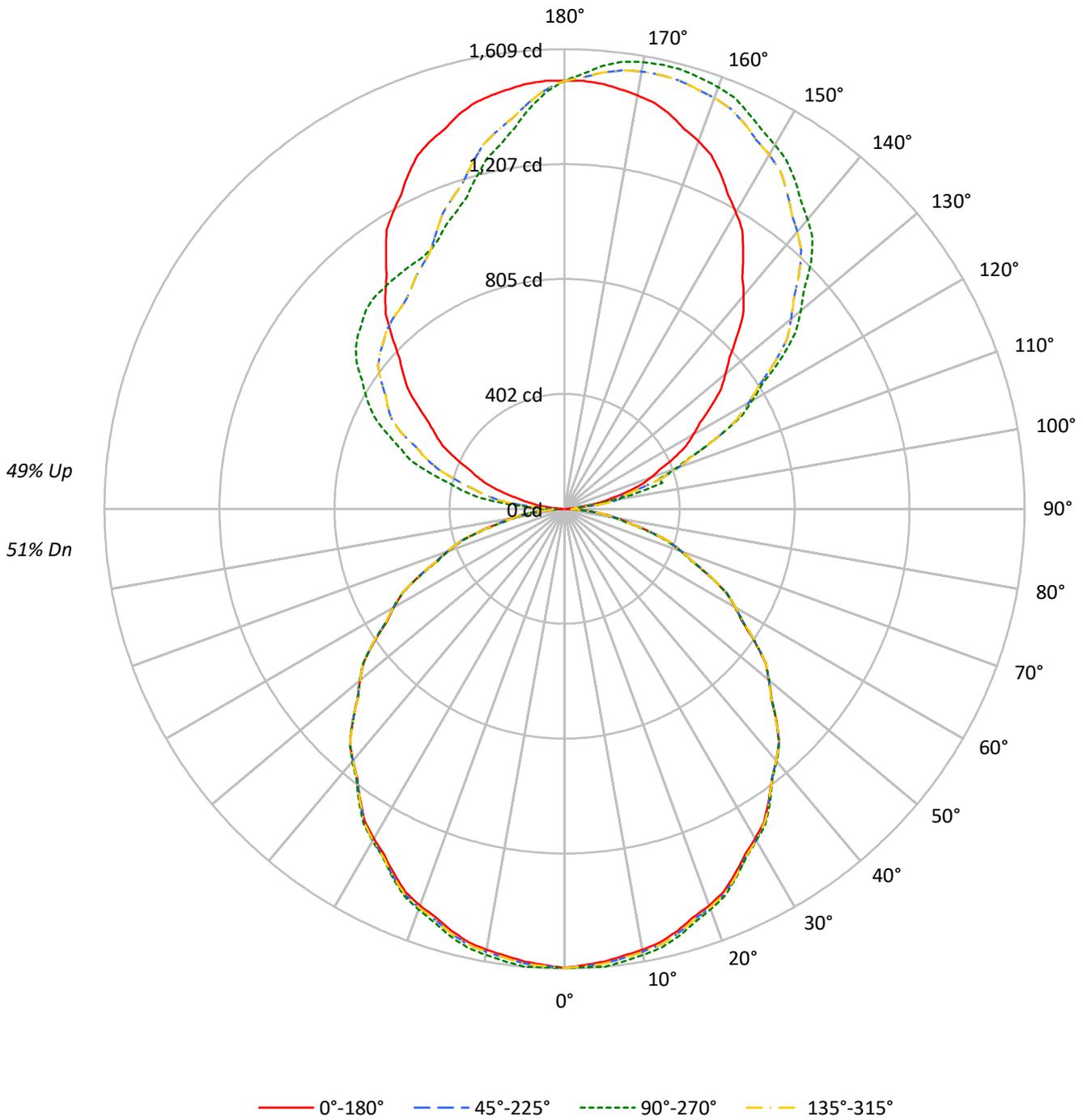
Lumens per Lamp: N/A  
Luminaire Lumens: 8904.2 lumens  
Efficiency: N/A  
Efficacy: 125.9 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.25 / 1.36  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 70.7  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

TEST NUMBER: P1427760

CATALOG NUMBER: SQ2W-F-K-100U-100D-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	50	30	10	0	
RCR																						
0	107	107	107	107	99	99	99	99	84	84	84	70	70	70	57	57	57	51				
1	98	93	89	86	90	86	83	80	73	71	68	61	59	58	50	49	48	42				
2	89	81	75	70	82	75	70	65	64	60	56	53	51	48	44	42	40	35				
3	81	71	64	58	74	66	60	54	56	51	47	47	43	40	39	36	34	30				
4	74	63	55	49	68	58	51	46	50	44	40	42	38	34	34	31	29	25				
5	68	56	48	42	62	52	45	39	45	39	34	38	33	30	31	28	25	22				
6	62	50	42	36	57	47	39	34	40	34	30	34	29	26	28	25	22	19				
7	58	45	37	32	53	42	35	30	36	31	26	31	26	23	26	22	20	17				
8	54	41	33	28	49	38	31	26	33	27	23	28	24	20	23	20	17	15				
9	50	37	30	25	46	35	28	23	30	25	21	26	21	18	22	18	16	14				
10	47	34	27	22	43	32	26	21	28	22	19	24	20	16	20	17	14	12				

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

	0°	90°	180°	270°
0°	25946	25946	25946	25946
5°	25787	26081	25787	26081
10°	25697	25994	25697	25994
15°	25556	25877	25556	25877
20°	25395	25647	25395	25647
25°	25120	25341	25120	25341
30°	24853	25023	24853	25023
35°	24535	24693	24535	24693
40°	24257	24329	24257	24329
45°	23902	23902	23902	23902
50°	23423	23480	23423	23480
55°	22871	22905	22871	22905
60°	22255	22255	22255	22255
65°	21532	21444	21532	21444
70°	20516	20299	20516	20299
75°	19132	18708	19132	18708
80°	17043	16206	17043	16206
85°	13634	11523	13634	11523

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 24062 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	152.1	1.7
10°-20°	434.5	4.9
20°-30°	654.0	7.3
30°-40°	782.0	8.8
40°-50°	807.5	9.1
50°-60°	728.4	8.2
60°-70°	558.0	6.3
70°-80°	322.5	3.6
80°-90°	90.0	1.0
90°-100°	119.3	1.3
100°-110°	347.8	3.9
110°-120°	567.6	6.4
120°-130°	720.2	8.1
130°-140°	770.6	8.7
140°-150°	719.6	8.1
150°-160°	592.1	6.7
160°-170°	397.1	4.5
170°-180°	141.0	1.6
0°-30°	1240.5	13.9
0°-40°	2022.5	22.7
0°-60°	3558.4	40.0
0°-90°	4528.8	50.9
90°-120°	1034.6	11.6
90°-150°	3245.1	36.4
90°-180°	4375.0	49.1
0°-180°	8904.2	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1607	1607	1607	1607	1607	
5°	1591	1609	1591	1609	1591	151
15°	1529	1548	1529	1548	1529	431
25°	1410	1422	1410	1422	1410	650
35°	1245	1253	1245	1253	1245	779
45°	1047	1047	1047	1047	1047	807
55°	812	814	812	814	812	726
65°	564	561	564	561	564	557
75°	307	300	307	300	307	325
85°	74	62	74	62	74	86
90°	4	33	4	65	4	7
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°	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0
2.5°	1598.8	1606.5	1614.1	1610.9	1604.0	1601.4	1603.0	1604.4	1605.3	1606.1	1605.3
5°	1591.1	1601.2	1611.2	1607.7	1599.7	1596.2	1597.2	1599.2	1604.2	1609.2	1604.2
7.5°	1578.2	1588.3	1598.3	1595.1	1587.5	1584.3	1585.5	1587.7	1592.9	1598.1	1592.9
10°	1567.4	1577.4	1587.5	1584.0	1575.9	1572.9	1574.9	1577.4	1581.4	1585.5	1581.4
12.5°	1553.8	1563.8	1573.9	1571.0	1563.7	1560.7	1561.9	1563.9	1568.4	1572.8	1568.4
15°	1528.9	1538.9	1549.0	1546.2	1539.2	1536.4	1537.9	1540.1	1544.1	1548.1	1544.1
17.5°	1498.8	1508.2	1517.7	1515.1	1508.6	1506.2	1507.9	1510.1	1513.6	1517.1	1513.6
20°	1478.0	1487.0	1496.1	1493.4	1486.9	1483.9	1484.4	1485.6	1489.1	1492.7	1489.1
22.5°	1452.6	1461.7	1470.7	1468.4	1462.2	1458.6	1457.5	1457.8	1462.1	1466.4	1462.1
25°	1410.1	1419.1	1428.2	1426.3	1420.7	1417.2	1415.7	1415.5	1419.0	1422.5	1419.0
27.5°	1365.7	1373.2	1380.8	1379.2	1374.6	1371.8	1370.7	1370.6	1373.1	1375.7	1373.1
30°	1333.1	1340.6	1348.2	1346.3	1341.3	1338.3	1337.3	1337.1	1339.6	1342.2	1339.6
32.5°	1298.7	1305.8	1313.0	1310.4	1304.6	1301.5	1301.3	1301.9	1304.8	1307.8	1304.8
35°	1244.8	1250.9	1256.9	1254.3	1248.7	1246.2	1246.7	1247.7	1250.2	1252.8	1250.2
37.5°	1190.7	1195.4	1200.0	1197.3	1192.2	1189.6	1189.5	1189.9	1192.0	1194.1	1192.0
40°	1150.9	1155.9	1161.0	1158.1	1152.5	1149.5	1149.0	1149.3	1151.8	1154.3	1151.8
42.5°	1110.2	1114.0	1117.8	1115.2	1110.5	1108.3	1108.6	1109.1	1110.4	1111.7	1110.4
45°	1046.8	1050.3	1053.8	1051.3	1046.8	1044.5	1044.5	1044.8	1045.8	1046.8	1045.8
47.5°	980.5	983.2	985.9	983.9	980.4	978.4	977.8	977.7	979.3	980.9	979.3
50°	932.5	936.0	939.5	937.8	934.3	932.0	931.0	930.7	932.7	934.8	932.7
52.5°	885.4	889.3	893.3	891.6	888.1	885.6	884.2	883.6	885.2	886.8	885.2
55°	812.5	817.1	821.6	820.5	817.4	814.9	812.9	811.7	812.7	813.7	812.7
57.5°	738.1	742.5	746.9	746.1	743.5	740.9	738.5	737.1	738.5	739.9	738.5
60°	689.2	693.2	697.2	696.0	693.0	690.4	688.4	687.2	688.2	689.2	688.2
62.5°	639.4	643.4	647.4	645.9	642.5	639.7	637.7	636.5	637.5	638.5	637.5
65°	563.6	567.1	570.6	569.2	566.2	563.7	561.7	560.3	560.8	561.3	560.8
67.5°	487.1	490.1	493.1	491.7	488.8	485.8	482.9	480.9	481.7	482.5	481.7
70°	434.6	437.6	440.6	439.5	436.9	434.4	431.9	430.0	430.0	430.0	430.0
72.5°	383.9	386.5	389.1	387.6	384.6	382.1	380.0	378.4	378.4	378.4	378.4
75°	306.7	308.2	309.7	308.9	307.4	305.4	302.9	300.9	300.4	299.9	300.4
77.5°	232.2	232.2	232.2	230.8	228.9	227.0	225.1	223.5	222.9	222.3	222.9
80°	183.3	183.3	183.3	182.2	180.7	179.2	177.7	176.3	175.3	174.3	175.3
82.5°	138.1	137.3	136.5	135.1	133.6	131.7	129.4	127.9	128.9	129.9	128.9
85°	73.6	72.6	71.5	70.2	68.7	66.9	64.9	63.2	62.7	62.2	62.7
87.5°	23.5	23.9	24.7	24.8	24.5	23.4	21.7	20.7	20.6	20.2	20.6
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°	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0
2.5°	1604.4	1603.0	1601.4	1604.0	1610.9	1614.1	1606.5	1598.8	1606.5	1614.1	1610.9
5°	1599.2	1597.2	1596.2	1599.7	1607.7	1611.2	1601.2	1591.1	1601.2	1611.2	1607.7
7.5°	1587.7	1585.5	1584.3	1587.5	1595.1	1598.3	1588.3	1578.2	1588.3	1598.3	1595.1
10°	1577.4	1574.9	1572.9	1575.9	1584.0	1587.5	1577.4	1567.4	1577.4	1587.5	1584.0
12.5°	1563.9	1561.9	1560.7	1563.7	1571.0	1573.9	1563.8	1553.8	1563.8	1573.9	1571.0
15°	1540.1	1537.9	1536.4	1539.2	1546.2	1549.0	1538.9	1528.9	1538.9	1549.0	1546.2
17.5°	1510.1	1507.9	1506.2	1508.6	1515.1	1517.7	1508.2	1498.8	1508.2	1517.7	1515.1
20°	1485.6	1484.4	1483.9	1486.9	1493.4	1496.1	1487.0	1478.0	1487.0	1496.1	1493.4
22.5°	1457.8	1457.5	1458.6	1462.2	1468.4	1470.7	1461.7	1452.6	1461.7	1470.7	1468.4
25°	1415.5	1415.7	1417.2	1420.7	1426.3	1428.2	1419.1	1410.1	1419.1	1428.2	1426.3
27.5°	1370.6	1370.7	1371.8	1374.6	1379.2	1380.8	1373.2	1365.7	1373.2	1380.8	1379.2
30°	1337.1	1337.3	1338.3	1341.3	1346.3	1348.2	1340.6	1333.1	1340.6	1348.2	1346.3
32.5°	1301.9	1301.3	1301.5	1304.6	1310.4	1313.0	1305.8	1298.7	1305.8	1313.0	1310.4
35°	1247.7	1246.7	1246.2	1248.7	1254.3	1256.9	1250.9	1244.8	1250.9	1256.9	1254.3
37.5°	1189.9	1189.5	1189.6	1192.2	1197.3	1200.0	1195.4	1190.7	1195.4	1200.0	1197.3
40°	1149.3	1149.0	1149.5	1152.5	1158.1	1161.0	1155.9	1150.9	1155.9	1161.0	1158.1
42.5°	1109.1	1108.6	1108.3	1110.5	1115.2	1117.8	1114.0	1110.2	1114.0	1117.8	1115.2
45°	1044.8	1044.5	1044.5	1046.8	1051.3	1053.8	1050.3	1046.8	1050.3	1053.8	1051.3
47.5°	977.7	977.8	978.4	980.4	983.9	985.9	983.2	980.5	983.2	985.9	983.9
50°	930.7	931.0	932.0	934.3	937.8	939.5	936.0	932.5	936.0	939.5	937.8
52.5°	883.6	884.2	885.6	888.1	891.6	893.3	889.3	885.4	889.3	893.3	891.6
55°	811.7	812.9	814.9	817.4	820.5	821.6	817.1	812.5	817.1	821.6	820.5
57.5°	737.1	738.5	740.9	743.5	746.1	746.9	742.5	738.1	742.5	746.9	746.1
60°	687.2	688.4	690.4	693.0	696.0	697.2	693.2	689.2	693.2	697.2	696.0
62.5°	636.5	637.7	639.7	642.5	645.9	647.4	643.4	639.4	643.4	647.4	645.9
65°	560.3	561.7	563.7	566.2	569.2	570.6	567.1	563.6	567.1	570.6	569.2
67.5°	480.9	482.9	485.8	488.8	491.7	493.1	490.1	487.1	490.1	493.1	491.7
70°	430.0	431.9	434.4	436.9	439.5	440.6	437.6	434.6	437.6	440.6	439.5
72.5°	378.4	380.0	382.1	384.6	387.6	389.1	386.5	383.9	386.5	389.1	387.6
75°	300.9	302.9	305.4	307.4	308.9	309.7	308.2	306.7	308.2	309.7	308.9
77.5°	223.5	225.1	227.0	228.9	230.8	232.2	232.2	232.2	232.2	232.2	230.8
80°	176.3	177.7	179.2	180.7	182.2	183.3	183.3	183.3	183.3	183.3	182.2
82.5°	127.9	129.4	131.7	133.6	135.1	136.5	137.3	138.1	137.3	136.5	135.1
85°	63.2	64.9	66.9	68.7	70.2	71.5	72.6	73.6	72.6	71.5	70.2
87.5°	20.7	21.7	23.4	24.5	24.8	24.7	23.9	23.5	23.9	24.4	25.4
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: P1427760

CATALOG NUMBER: SQ2W-F-K-100U-100D-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: P1427760

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

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0
2.5°	1604.0	1601.4	1603.0	1604.4	1605.3	1606.1	1605.3	1604.4	1603.0	1601.4	1604.0
5°	1599.7	1596.2	1597.2	1599.2	1604.2	1609.2	1604.2	1599.2	1597.2	1596.2	1599.7
7.5°	1587.5	1584.3	1585.5	1587.7	1592.9	1598.1	1592.9	1587.7	1585.5	1584.3	1587.5
10°	1575.9	1572.9	1574.9	1577.4	1581.4	1585.5	1581.4	1577.4	1574.9	1572.9	1575.9
12.5°	1563.7	1560.7	1561.9	1563.9	1568.4	1572.8	1568.4	1563.9	1561.9	1560.7	1563.7
15°	1539.2	1536.4	1537.9	1540.1	1544.1	1548.1	1544.1	1540.1	1537.9	1536.4	1539.2
17.5°	1508.6	1506.2	1507.9	1510.1	1513.6	1517.1	1513.6	1510.1	1507.9	1506.2	1508.6
20°	1486.9	1483.9	1484.4	1485.6	1489.1	1492.7	1489.1	1485.6	1484.4	1483.9	1486.9
22.5°	1462.2	1458.6	1457.5	1457.8	1462.1	1466.4	1462.1	1457.8	1457.5	1458.6	1462.2
25°	1420.7	1417.2	1415.7	1415.5	1419.0	1422.5	1419.0	1415.5	1415.7	1417.2	1420.7
27.5°	1374.6	1371.8	1370.7	1370.6	1373.1	1375.7	1373.1	1370.6	1370.7	1371.8	1374.6
30°	1341.3	1338.3	1337.3	1337.1	1339.6	1342.2	1339.6	1337.1	1337.3	1338.3	1341.3
32.5°	1304.6	1301.5	1301.3	1301.9	1304.8	1307.8	1304.8	1301.9	1301.3	1301.5	1304.6
35°	1248.7	1246.2	1246.7	1247.7	1250.2	1252.8	1250.2	1247.7	1246.7	1246.2	1248.7
37.5°	1192.2	1189.6	1189.5	1189.9	1192.0	1194.1	1192.0	1189.9	1189.5	1189.6	1192.2
40°	1152.5	1149.5	1149.0	1149.3	1151.8	1154.3	1151.8	1149.3	1149.0	1149.5	1152.5
42.5°	1110.5	1108.3	1108.6	1109.1	1110.4	1111.7	1110.4	1109.1	1108.6	1108.3	1110.5
45°	1046.8	1044.5	1044.5	1044.8	1045.8	1046.8	1045.8	1044.8	1044.5	1044.5	1046.8
47.5°	980.4	978.4	977.8	977.7	979.3	980.9	979.3	977.7	977.8	978.4	980.4
50°	934.3	932.0	931.0	930.7	932.7	934.8	932.7	930.7	931.0	932.0	934.3
52.5°	888.1	885.6	884.2	883.6	885.2	886.8	885.2	883.6	884.2	885.6	888.1
55°	817.4	814.9	812.9	811.7	812.7	813.7	812.7	811.7	812.9	814.9	817.4
57.5°	743.5	740.9	738.5	737.1	738.5	739.9	738.5	737.1	738.5	740.9	743.5
60°	693.0	690.4	688.4	687.2	688.2	689.2	688.2	687.2	688.4	690.4	693.0
62.5°	642.5	639.7	637.7	636.5	637.5	638.5	637.5	636.5	637.7	639.7	642.5
65°	566.2	563.7	561.7	560.3	560.8	561.3	560.8	560.3	561.7	563.7	566.2
67.5°	488.8	485.8	482.9	480.9	481.7	482.5	481.7	480.9	482.9	485.8	488.8
70°	436.9	434.4	431.9	430.0	430.0	430.0	430.0	430.0	431.9	434.4	436.9
72.5°	384.6	382.1	380.0	378.4	378.4	378.4	378.4	378.4	380.0	382.1	384.6
75°	307.4	305.4	302.9	300.9	300.4	299.9	300.4	300.9	302.9	305.4	307.4
77.5°	228.9	227.0	225.1	223.5	222.9	222.3	222.9	223.5	225.1	227.0	228.9
80°	180.7	179.2	177.7	176.3	175.3	174.3	175.3	176.3	177.7	179.2	180.7
82.5°	133.6	131.7	129.4	127.9	128.9	129.9	128.9	127.9	129.4	131.7	133.6
85°	68.7	66.9	64.9	63.2	62.7	62.2	62.7	63.2	64.9	66.9	68.7
87.5°	25.7	26.4	26.9	26.8	27.6	26.6	27.6	26.8	26.9	26.4	25.7
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: P1427760

CATALOG NUMBER: SQ2W-F-K-100U-100D-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: P1427760

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

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	1607.0	1607.0	1607.0	1607.0
2.5°	1610.9	1614.1	1606.5	1598.8
5°	1607.7	1611.2	1601.2	1591.1
7.5°	1595.1	1598.3	1588.3	1578.2
10°	1584.0	1587.5	1577.4	1567.4
12.5°	1571.0	1573.9	1563.8	1553.8
15°	1546.2	1549.0	1538.9	1528.9
17.5°	1515.1	1517.7	1508.2	1498.8
20°	1493.4	1496.1	1487.0	1478.0
22.5°	1468.4	1470.7	1461.7	1452.6
25°	1426.3	1428.2	1419.1	1410.1
27.5°	1379.2	1380.8	1373.2	1365.7
30°	1346.3	1348.2	1340.6	1333.1
32.5°	1310.4	1313.0	1305.8	1298.7
35°	1254.3	1256.9	1250.9	1244.8
37.5°	1197.3	1200.0	1195.4	1190.7
40°	1158.1	1161.0	1155.9	1150.9
42.5°	1115.2	1117.8	1114.0	1110.2
45°	1051.3	1053.8	1050.3	1046.8
47.5°	983.9	985.9	983.2	980.5
50°	937.8	939.5	936.0	932.5
52.5°	891.6	893.3	889.3	885.4
55°	820.5	821.6	817.1	812.5
57.5°	746.1	746.9	742.5	738.1
60°	696.0	697.2	693.2	689.2
62.5°	645.9	647.4	643.4	639.4
65°	569.2	570.6	567.1	563.6
67.5°	491.7	493.1	490.1	487.1
70°	439.5	440.6	437.6	434.6
72.5°	387.6	389.1	386.5	383.9
75°	308.9	309.7	308.2	306.7
77.5°	230.8	232.2	232.2	232.2
80°	182.2	183.3	183.3	183.3
82.5°	135.1	136.5	137.3	138.1
85°	70.2	71.5	72.6	73.6
87.5°	25.4	24.4	23.9	23.5
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: P1427760

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**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: P1427760  
 CATALOG NUMBER: SQ2W-F-K-100U-100D-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	19.25	20.13	20.20	21.10	22.36	19.17	20.05	20.12	21.01	22.27
	3H	21.04	21.84	22.00	22.81	24.09	20.94	21.73	21.90	22.71	23.99
	4H	21.74	22.49	22.71	23.47	24.76	21.63	22.38	22.60	23.35	24.64
	6H	22.18	22.87	23.16	23.85	25.16	22.04	22.73	23.02	23.71	25.01
	8H	22.34	23.00	23.33	24.00	25.30	22.18	22.84	23.17	23.84	25.14
	12H	22.43	23.05	23.42	24.05	25.37	22.25	22.87	23.24	23.87	25.19
4H	2H	19.84	20.58	20.81	21.56	22.85	19.77	20.52	20.75	21.50	22.79
	3H	21.86	22.49	22.85	23.49	24.80	21.77	22.39	22.75	23.40	24.70
	4H	22.67	23.25	23.67	24.25	25.57	22.56	23.14	23.56	24.14	25.46
	6H	23.23	23.72	24.24	24.75	26.07	23.09	23.58	24.09	24.60	25.93
	8H	23.44	23.90	24.45	24.92	26.26	23.28	23.74	24.29	24.76	26.10
	12H	23.56	23.97	24.59	25.01	26.35	23.37	23.79	24.40	24.82	26.17
8H	4H	22.92	23.38	23.93	24.40	25.74	22.82	23.28	23.83	24.30	25.64
	6H	23.61	23.99	24.64	25.05	26.39	23.48	23.86	24.51	24.92	26.26
	8H	23.91	24.25	24.96	25.30	26.65	23.76	24.10	24.80	25.14	26.50
	12H	24.10	24.39	25.15	25.43	26.83	23.91	24.20	24.95	25.24	26.64
12H	4H	22.91	23.33	23.94	24.36	25.71	22.82	23.24	23.85	24.27	25.62
	6H	23.66	24.00	24.70	25.04	26.40	23.53	23.87	24.58	24.92	26.27
	8H	24.00	24.29	25.04	25.33	26.73	23.84	24.14	24.89	25.18	26.58