

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: P1435826

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

Issue Date: 3/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1435826
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-L930-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: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

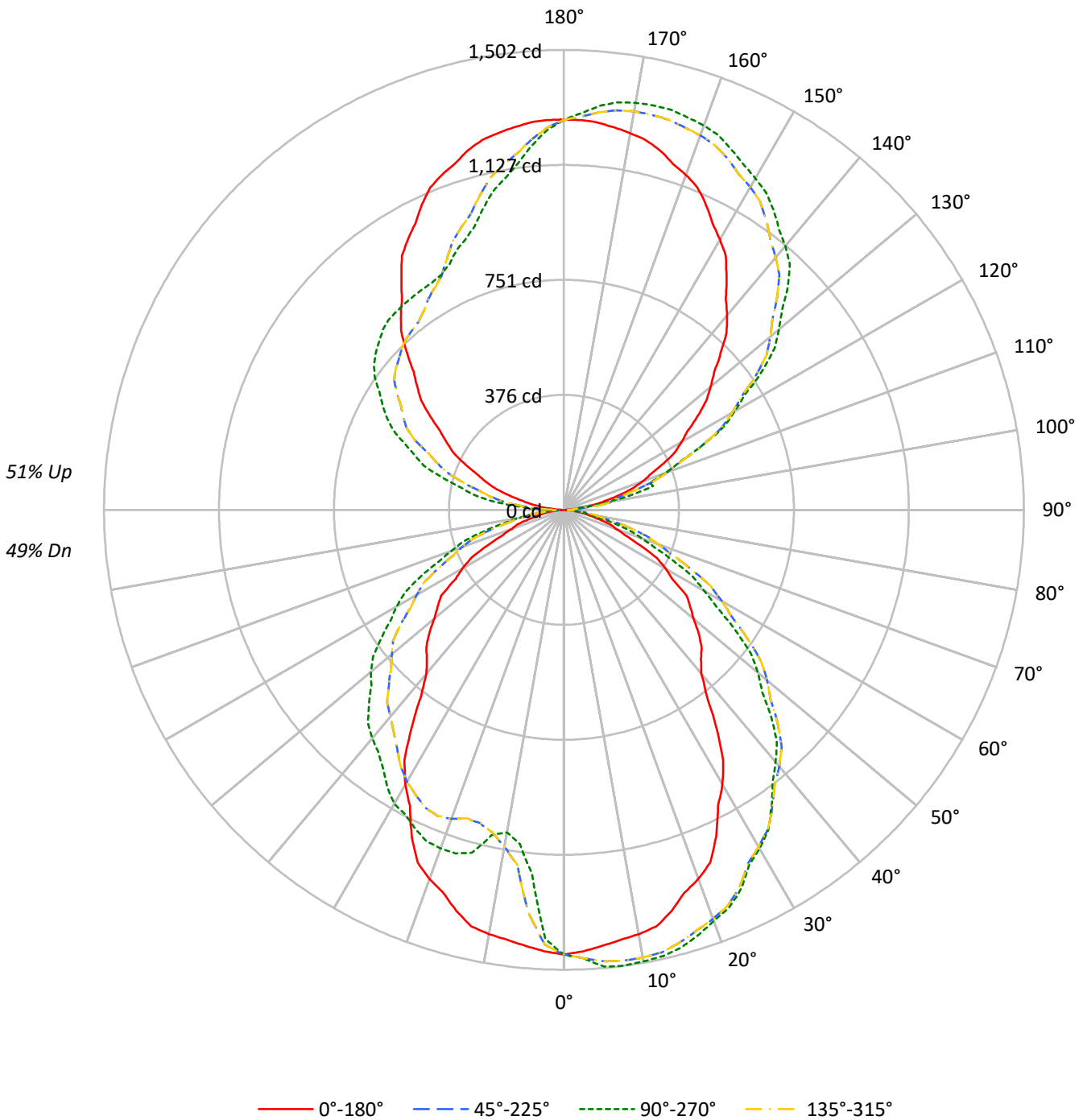
Lumens per Lamp: N/A
Luminaire Lumens: 7330.1 lumens
Efficiency: N/A
Efficacy: 103.7 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.23 / 1.34
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 70.7
Input Voltage (V): 120
Input Current (A_{in}): 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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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	83	83	83	69	69	69	55	55	55	49				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°	23445	23445	23445	23445
5°	23170	24264	23170	19338
10°	23069	24544	23069	17532
15°	22672	24742	22672	19379
20°	22049	24563	22049	20211
25°	20955	24365	20955	20455
30°	19307	23819	19307	20672
35°	17085	23295	17085	20301
40°	14709	22657	14709	20522
45°	14522	21847	14522	20561
50°	13855	20783	13855	20639
55°	13785	19169	13785	20439
60°	12358	17085	12358	20356
65°	10537	15052	10537	19782
70°	8502	12755	8502	18335
75°	7374	10530	7374	16856
80°	6276	7847	6276	13603
85°	4168	4168	4168	8336

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 22532 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.6	1.8
10°-20°	365.1	5.0
20°-30°	554.4	7.6
30°-40°	650.9	8.9
40°-50°	660.6	9.0
50°-60°	578.6	7.9
60°-70°	410.4	5.6
70°-80°	211.3	2.9
80°-90°	49.6	0.7
90°-100°	101.4	1.4
100°-110°	295.6	4.0
110°-120°	482.4	6.6
120°-130°	612.1	8.4
130°-140°	655.0	8.9
140°-150°	611.6	8.3
150°-160°	503.3	6.9
160°-170°	337.5	4.6
170°-180°	119.8	1.6
0°-30°	1050.1	14.3
0°-40°	1701.1	23.2
0°-60°	2940.2	40.1
0°-90°	3611.4	49.3
90°-120°	879.3	12.0
90°-150°	2758.0	37.6
90°-180°	3719.0	50.7
0°-180°	7330.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1452	1452	1452	1452	1452	
5°	1430	1497	1430	1193	1430	136
15°	1356	1480	1356	1159	1356	381
25°	1176	1368	1176	1148	1176	537
35°	867	1182	867	1030	867	540
45°	636	957	636	900	636	486
55°	490	681	490	726	490	424
65°	276	394	276	518	276	275
75°	118	169	118	270	118	128
85°	22	22	22	45	22	28
90°	4	28	4	55	4	4
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°	1452.1	1452.1	1452.1	1452.1	1452.1	1452.1	1452.1	1452.1	1452.1	1452.1	1452.1
2.5°	1443.1	1453.1	1463.1	1465.6	1465.6	1465.6	1465.6	1465.6	1465.6	1465.6	1465.6
5°	1429.6	1447.1	1464.6	1472.7	1477.7	1481.5	1484.0	1487.1	1492.1	1497.1	1492.1
7.5°	1416.1	1439.6	1463.1	1474.6	1482.1	1488.1	1492.6	1496.6	1499.1	1501.6	1499.1
10°	1407.1	1434.6	1462.1	1474.6	1482.1	1487.1	1489.6	1492.1	1494.6	1497.1	1494.6
12.5°	1393.6	1423.1	1452.6	1467.1	1476.6	1482.6	1485.1	1487.6	1490.1	1492.6	1490.1
15°	1356.4	1396.4	1436.5	1452.1	1459.6	1465.9	1470.9	1475.2	1477.7	1480.2	1477.7
17.5°	1310.3	1358.8	1407.3	1427.0	1437.0	1444.2	1448.7	1452.6	1454.6	1456.6	1454.6
20°	1283.3	1335.8	1388.3	1409.0	1419.0	1425.2	1427.7	1429.6	1429.6	1429.6	1429.6
22.5°	1247.2	1305.8	1364.3	1386.4	1396.4	1401.7	1402.2	1403.1	1405.1	1407.1	1405.1
25°	1176.3	1243.9	1311.4	1339.5	1354.5	1360.8	1358.3	1357.7	1362.7	1367.7	1362.7
27.5°	1089.6	1174.7	1259.7	1288.5	1298.5	1304.8	1307.3	1309.1	1309.1	1309.1	1309.1
30°	1035.6	1130.7	1225.7	1257.0	1267.0	1273.2	1275.7	1277.6	1277.6	1277.6	1277.6
32.5°	968.1	1081.1	1194.2	1228.5	1236.5	1240.7	1241.2	1241.6	1241.6	1241.6	1241.6
35°	866.8	1004.3	1141.9	1180.1	1185.1	1187.6	1187.6	1186.9	1184.4	1181.9	1184.4
37.5°	765.4	921.5	1077.6	1122.3	1129.8	1131.8	1128.3	1125.0	1122.5	1120.0	1122.5
40°	697.9	868.0	1038.1	1086.3	1093.8	1093.8	1086.3	1080.0	1077.5	1075.0	1077.5
42.5°	661.9	830.0	998.1	1045.7	1053.2	1052.2	1042.7	1035.0	1032.5	1030.0	1032.5
45°	636.0	786.1	936.2	979.3	986.8	985.6	975.6	966.8	961.8	956.8	961.8
47.5°	596.6	728.7	860.8	903.2	915.7	914.4	899.4	886.9	881.9	876.9	881.9
50°	551.6	681.7	811.7	853.6	866.1	864.9	849.9	837.4	832.4	827.4	832.4
52.5°	520.1	642.1	764.2	802.6	813.1	809.9	792.8	778.8	773.8	768.8	773.8
55°	489.7	592.2	694.8	726.1	733.6	728.6	711.0	696.0	688.5	681.0	688.5
57.5°	418.7	516.3	613.9	644.3	652.3	646.3	626.2	609.1	600.6	592.1	600.6
60°	382.7	470.3	557.8	587.2	597.2	592.2	572.2	554.1	541.6	529.1	541.6
62.5°	342.2	419.7	497.3	527.2	541.2	538.2	518.2	500.0	487.5	475.0	487.5
65°	275.8	343.3	410.9	440.9	458.4	457.1	437.1	419.0	406.5	394.0	406.5
67.5°	216.1	274.2	332.2	361.7	381.7	380.7	358.7	339.7	329.7	319.7	329.7
70°	180.1	230.1	280.2	307.7	327.7	327.7	307.7	290.2	280.2	270.2	280.2
72.5°	157.6	195.6	233.6	259.7	281.7	281.7	259.7	241.1	233.1	225.1	233.1
75°	118.2	140.7	163.2	187.6	212.6	215.1	195.1	178.9	173.9	168.8	173.9
77.5°	85.6	96.1	106.6	125.7	147.7	150.2	133.2	119.9	117.9	115.9	117.9
80°	67.5	70.0	72.5	88.2	108.2	110.7	95.7	84.4	84.4	84.4	84.4
82.5°	45.0	47.5	50.0	61.2	75.2	76.7	65.7	56.9	54.9	52.9	54.9
85°	22.5	22.5	22.5	26.3	31.3	31.3	26.3	22.5	22.5	22.5	22.5
87.5°	5.3	6.3	7.6	10.1	12.9	13.2	11.1	9.9	10.2	10.2	10.2
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°	1452.1	1452.1	1452.1	1452.1	1452.1	1452.1	1452.1	1452.1	1452.1	1452.1	1452.1
2.5°	1465.6	1465.6	1465.6	1465.6	1465.6	1463.1	1453.1	1443.1	1443.1	1443.1	1435.6
5°	1487.1	1484.0	1481.5	1477.7	1472.7	1464.6	1447.1	1429.6	1422.1	1414.6	1382.7
7.5°	1496.6	1492.6	1488.1	1482.1	1474.6	1463.1	1439.6	1416.1	1382.6	1349.0	1278.0
10°	1492.1	1489.6	1487.1	1482.1	1474.6	1462.1	1434.6	1407.1	1339.5	1272.0	1204.5
12.5°	1487.6	1485.1	1482.6	1476.6	1467.1	1452.6	1423.1	1393.6	1298.0	1202.5	1141.4
15°	1475.2	1470.9	1465.9	1459.6	1452.1	1436.5	1396.4	1356.4	1248.9	1141.3	1090.0
17.5°	1452.6	1448.7	1444.2	1437.0	1427.0	1407.3	1358.8	1310.3	1197.7	1085.1	1052.1
20°	1429.6	1427.7	1425.2	1419.0	1409.0	1388.3	1335.8	1283.3	1170.7	1058.1	1043.1
22.5°	1403.1	1402.2	1401.7	1396.4	1386.4	1364.3	1305.8	1247.2	1136.7	1026.1	1026.6
25°	1357.7	1358.3	1360.8	1354.5	1339.5	1311.4	1243.9	1176.3	1078.8	981.2	998.1
27.5°	1309.1	1307.3	1304.8	1298.5	1288.5	1259.7	1174.7	1089.6	1012.6	935.5	963.6
30°	1277.6	1275.7	1273.2	1267.0	1257.0	1225.7	1130.7	1035.6	970.6	905.5	938.1
32.5°	1241.6	1241.2	1240.7	1236.5	1228.5	1194.2	1081.1	968.1	921.0	874.0	908.0
35°	1186.9	1187.6	1187.6	1185.1	1180.1	1141.9	1004.3	866.8	846.7	826.7	866.8
37.5°	1125.0	1128.3	1131.8	1129.8	1122.3	1077.6	921.5	765.4	772.0	778.5	827.0
40°	1080.0	1086.3	1093.8	1093.8	1086.3	1038.1	868.0	697.9	720.4	742.9	795.5
42.5°	1035.0	1042.7	1052.2	1053.2	1045.7	998.1	830.0	661.9	686.4	710.9	765.4
45°	966.8	975.6	985.6	986.8	979.3	936.2	786.1	636.0	651.0	666.0	718.5
47.5°	886.9	899.4	914.4	915.7	903.2	860.8	728.7	596.6	607.6	618.6	672.4
50°	837.4	849.9	864.9	866.1	853.6	811.7	681.7	551.6	566.6	581.6	637.9
52.5°	778.8	792.8	809.9	813.1	802.6	764.2	642.1	520.1	529.1	538.1	598.9
55°	696.0	711.0	728.6	733.6	726.1	694.8	592.2	489.7	482.2	474.7	536.6
57.5°	609.1	626.2	646.3	652.3	644.3	613.9	516.3	418.7	412.2	405.7	472.8
60°	554.1	572.2	592.2	597.2	587.2	557.8	470.3	382.7	370.2	357.7	427.8
62.5°	500.0	518.2	538.2	541.2	527.2	497.3	419.7	342.2	333.7	325.2	393.2
65°	419.0	437.1	457.1	458.4	440.9	410.9	343.3	275.8	280.8	285.8	347.1
67.5°	339.7	358.7	380.7	381.7	361.7	332.2	274.2	216.1	232.6	249.1	304.3
70°	290.2	307.7	327.7	327.7	307.7	280.2	230.1	180.1	202.6	225.1	275.8
72.5°	241.1	259.7	281.7	281.7	259.7	233.6	195.6	157.6	180.1	202.6	244.3
75°	178.9	195.1	215.1	212.6	187.6	163.2	140.7	118.2	140.7	163.2	195.1
77.5°	119.9	133.2	150.2	147.7	125.7	106.6	96.1	85.6	104.1	122.6	144.8
80°	84.4	95.7	110.7	108.2	88.2	72.5	70.0	67.5	80.0	92.6	108.8
82.5°	56.9	65.7	76.7	75.2	61.2	50.0	47.5	45.0	55.5	66.0	77.3
85°	22.5	26.3	31.3	31.3	26.3	22.5	22.5	22.5	27.5	32.5	37.5
87.5°	9.9	11.1	13.2	12.9	10.1	7.6	6.3	5.3	8.3	11.3	13.6
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: P1435826

CATALOG NUMBER: SQ2W-FA-K-100U-100D-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: P1435826

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1452.1	1452.1	1452.1	1452.1	1452.1	1452.1	1452.1	1452.1	1452.1	1452.1	1452.1
2.5°	1425.6	1417.6	1411.6	1406.6	1404.6	1402.6	1404.6	1406.6	1411.6	1417.6	1425.6
5°	1342.7	1300.1	1255.1	1218.2	1205.7	1193.2	1205.7	1218.2	1255.1	1300.1	1342.7
7.5°	1194.5	1143.2	1124.2	1108.9	1104.9	1100.9	1104.9	1108.9	1124.2	1143.2	1194.5
10°	1136.9	1095.6	1080.6	1069.4	1069.4	1069.4	1069.4	1069.4	1080.6	1095.6	1136.9
12.5°	1091.9	1066.6	1065.6	1067.4	1077.4	1087.4	1077.4	1067.4	1065.6	1066.6	1091.9
15°	1057.5	1061.2	1101.3	1134.4	1146.9	1159.4	1146.9	1134.4	1101.3	1061.2	1057.5
17.5°	1045.6	1067.1	1116.7	1156.3	1166.3	1176.3	1166.3	1156.3	1116.7	1067.1	1045.6
20°	1060.6	1088.1	1125.7	1156.3	1166.3	1176.3	1166.3	1156.3	1125.7	1088.1	1060.6
22.5°	1064.1	1097.6	1127.2	1151.8	1161.8	1171.8	1161.8	1151.8	1127.2	1097.6	1064.1
25°	1053.1	1093.1	1118.2	1138.2	1143.2	1148.2	1143.2	1138.2	1118.2	1093.1	1053.1
27.5°	1026.6	1070.6	1095.6	1115.3	1118.8	1122.3	1118.8	1115.3	1095.6	1070.6	1026.6
30°	1003.1	1048.1	1073.1	1093.8	1101.3	1108.8	1101.3	1093.8	1073.1	1048.1	1003.1
32.5°	969.1	1015.1	1046.1	1069.8	1071.3	1072.8	1071.3	1069.8	1046.1	1015.1	969.1
35°	926.8	974.3	1009.3	1035.0	1032.5	1030.0	1032.5	1035.0	1009.3	974.3	926.8
37.5°	889.5	936.0	966.6	990.2	993.2	996.2	993.2	990.2	966.6	936.0	889.5
40°	858.0	905.5	938.1	963.7	968.7	973.7	968.7	963.7	938.1	905.5	858.0
42.5°	830.0	878.5	911.0	936.7	941.7	946.7	941.7	936.7	911.0	878.5	830.0
45°	783.6	833.6	868.6	895.5	898.0	900.5	898.0	895.5	868.6	833.6	783.6
47.5°	740.4	790.7	823.2	848.2	850.7	853.3	850.7	848.2	823.2	790.7	740.4
50°	707.9	759.2	791.7	816.7	819.2	821.7	819.2	816.7	791.7	759.2	707.9
52.5°	676.9	730.2	758.7	780.7	783.2	785.7	783.2	780.7	758.7	730.2	676.9
55°	621.6	677.9	705.4	726.1	726.1	726.1	726.1	705.4	677.9	621.6	621.6
57.5°	564.3	622.1	646.1	664.9	667.9	670.9	667.9	646.1	622.1	564.3	564.3
60°	525.3	584.1	604.1	620.4	625.4	630.4	625.4	604.1	584.1	525.3	525.3
62.5°	486.8	543.6	563.6	579.3	582.3	585.3	582.3	563.6	543.6	486.8	486.8
65°	427.1	477.2	497.2	512.8	515.3	517.8	515.3	497.2	477.2	427.1	427.1
67.5°	372.3	413.4	427.4	438.4	440.4	442.4	440.4	427.4	413.4	372.3	372.3
70°	335.8	370.8	380.8	388.4	388.4	388.4	388.4	380.8	370.8	335.8	335.8
72.5°	292.3	321.3	331.3	339.3	341.3	343.3	341.3	331.3	321.3	292.3	292.3
75°	230.1	251.4	258.9	265.2	267.7	270.2	267.7	258.9	251.4	230.1	230.1
77.5°	168.3	182.4	186.9	190.9	193.4	195.9	193.4	186.9	182.4	168.3	168.3
80°	126.3	136.3	138.8	141.3	143.8	146.3	143.8	141.3	138.8	136.3	126.3
82.5°	88.8	95.8	98.3	100.3	100.8	101.3	100.8	98.3	95.8	88.8	88.8
85°	42.5	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	42.5	42.5
87.5°	14.9	16.7	18.5	19.6	20.6	20.1	20.6	18.5	16.7	14.9	14.9
90°	29.6	38.6	47.6	52.7	57.9	55.3	57.9	47.6	38.6	29.6	29.6
92.5°	59.4	74.6	85.7	94.9	99.1	98.5	99.1	85.7	74.6	59.4	59.4
95°	119.6	137.6	155.7	168.5	176.2	173.7	176.2	155.7	137.6	119.6	119.6
97.5°	184.5	208.7	228.7	240.8	248.5	253.7	248.5	228.7	208.7	184.5	184.5
100°	227.7	250.9	274.0	288.2	301.0	306.2	301.0	274.0	250.9	227.7	227.7
102.5°	262.7	293.1	318.3	333.4	344.3	349.4	344.3	318.3	293.1	262.7	262.7
105°	320.3	352.5	379.5	398.8	410.4	414.2	410.4	379.5	352.5	320.3	320.3
107.5°	378.0	411.1	436.1	457.5	471.6	479.8	471.6	436.1	411.1	378.0	378.0
110°	423.2	450.3	477.3	496.6	510.7	515.9	510.7	477.3	450.3	423.2	423.2



TEST NUMBER: P1435826

CATALOG NUMBER: SQ2W-FA-K-100U-100D-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: P1435826

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1452.1	1452.1	1452.1	1452.1
2.5°	1435.6	1443.1	1443.1	1443.1
5°	1382.7	1414.6	1422.1	1429.6
7.5°	1278.0	1349.0	1382.6	1416.1
10°	1204.5	1272.0	1339.5	1407.1
12.5°	1141.4	1202.5	1298.0	1393.6
15°	1090.0	1141.3	1248.9	1356.4
17.5°	1052.1	1085.1	1197.7	1310.3
20°	1043.1	1058.1	1170.7	1283.3
22.5°	1026.6	1026.1	1136.7	1247.2
25°	998.1	981.2	1078.8	1176.3
27.5°	963.6	935.5	1012.6	1089.6
30°	938.1	905.5	970.6	1035.6
32.5°	908.0	874.0	921.0	968.1
35°	866.8	826.7	846.7	866.8
37.5°	827.0	778.5	772.0	765.4
40°	795.5	742.9	720.4	697.9
42.5°	765.4	710.9	686.4	661.9
45°	718.5	666.0	651.0	636.0
47.5°	672.4	618.6	607.6	596.6
50°	637.9	581.6	566.6	551.6
52.5°	598.9	538.1	529.1	520.1
55°	536.6	474.7	482.2	489.7
57.5°	472.8	405.7	412.2	418.7
60°	427.8	357.7	370.2	382.7
62.5°	393.2	325.2	333.7	342.2
65°	347.1	285.8	280.8	275.8
67.5°	304.3	249.1	232.6	216.1
70°	275.8	225.1	202.6	180.1
72.5°	244.3	202.6	180.1	157.6
75°	195.1	163.2	140.7	118.2
77.5°	144.8	122.6	104.1	85.6
80°	108.8	92.6	80.0	67.5
82.5°	77.3	66.0	55.5	45.0
85°	37.5	32.5	27.5	22.5
87.5°	13.6	11.3	8.3	5.3
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: P1435826

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

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: P1435826
 CATALOG NUMBER: SQ2W-FA-K-100U-100D-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	17.27	18.12	18.23	19.10	20.38	18.47	19.32	19.43	20.30	21.58
	3H	18.36	19.12	19.33	20.11	21.41	19.71	20.48	20.69	21.46	22.77
	4H	18.71	19.43	19.70	20.42	21.74	20.10	20.82	21.09	21.82	23.13
	6H	18.87	19.54	19.87	20.53	21.86	20.26	20.93	21.26	21.92	23.25
	8H	18.90	19.54	19.91	20.55	21.87	20.28	20.92	21.29	21.93	23.25
	12H	18.90	19.50	19.91	20.51	21.86	20.27	20.87	21.28	21.88	23.23
4H	2H	18.14	18.86	19.13	19.85	21.16	19.05	19.77	20.04	20.76	22.08
	3H	19.52	20.13	20.53	21.15	22.47	20.51	21.12	21.52	22.14	23.46
	4H	19.98	20.53	20.99	21.54	22.89	20.99	21.54	22.00	22.55	23.90
	6H	20.21	20.68	21.23	21.72	23.06	21.21	21.68	22.23	22.72	24.07
	8H	20.26	20.71	21.29	21.74	23.10	21.26	21.70	22.28	22.73	24.09
	12H	20.27	20.67	21.31	21.71	23.08	21.25	21.65	22.29	22.69	24.06
8H	4H	20.36	20.80	21.39	21.83	23.19	21.18	21.63	22.21	22.66	24.02
	6H	20.71	21.08	21.76	22.15	23.51	21.50	21.86	22.55	22.93	24.29
	8H	20.83	21.15	21.89	22.21	23.58	21.59	21.91	22.65	22.97	24.35
	12H	20.87	21.15	21.93	22.20	23.62	21.61	21.89	22.67	22.94	24.36
12H	4H	20.36	20.76	21.41	21.81	23.17	21.15	21.55	22.20	22.60	23.96
	6H	20.78	21.10	21.84	22.16	23.54	21.52	21.84	22.57	22.89	24.27
	8H	20.93	21.21	21.99	22.26	23.68	21.63	21.91	22.69	22.96	24.38