

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: P1435898

Luminaire Tested: SQ2W-FB-0U-100D-L930-UNV-STD-W-WM-4

Issue Date: 3/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1435898
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2308-131-12)
Test Lab: INNOVATION CENTER
Issue Date: 3/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-FB-0U-100D-L930-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - FROSTED CONTINUOUS BATWING ROLL LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1000 LUMENS PER FOOT
UPLIGHT N/A - DIRECT ONLY
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

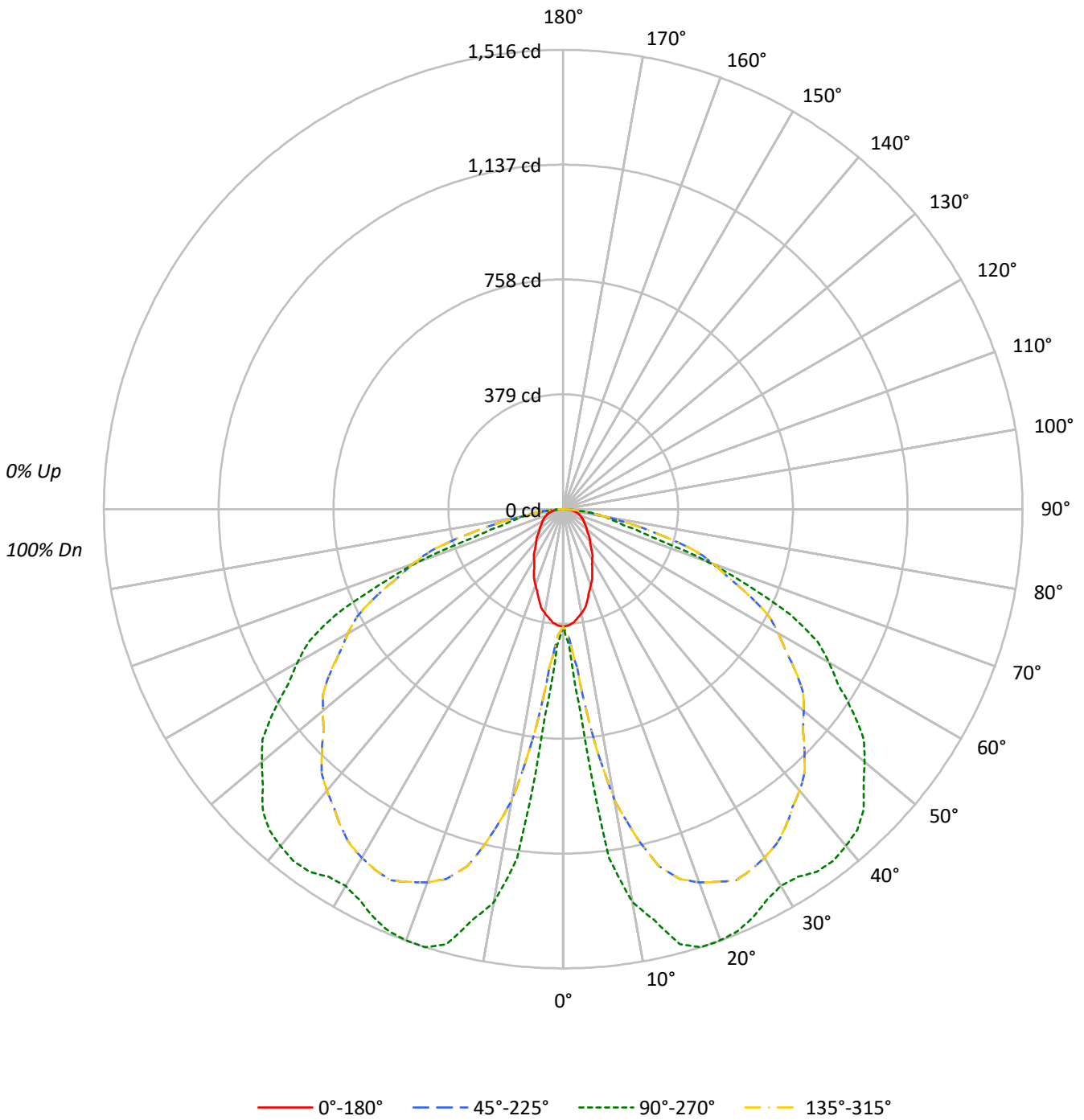
Lumens per Lamp: N/A
Luminaire Lumens: 3832.3 lumens
Efficiency: N/A
Efficacy: 101.9 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 2.98 / 2.52
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 37.6
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

TEST NUMBER: P1435898

CATALOG NUMBER: SQ2W-FB-0U-100D-L930-UNV-STD-W-WM-4

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	100	96	106	102	98	94	97	94	91	93	91	88	90	88	86	84
2	98	90	83	77	96	88	82	76	84	79	74	81	77	73	78	74	71	69
3	89	78	70	63	87	77	69	63	74	67	61	71	65	60	68	63	59	57
4	81	69	60	53	79	67	59	52	65	58	52	63	56	51	60	55	50	48
5	74	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41
6	68	54	45	39	66	53	45	38	52	44	38	50	43	38	48	42	37	35
7	63	49	40	34	61	48	40	33	47	39	33	45	38	33	44	37	33	31
8	58	44	36	30	57	44	35	29	42	35	29	41	34	29	40	34	29	27
9	54	40	32	26	53	40	32	26	39	31	26	38	31	26	37	30	26	24
10	51	37	29	23	49	37	29	23	36	28	23	35	28	23	34	28	23	21

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	6264	6264	6264	6264
5°	6107	11095	6107	11095
10°	5718	21592	5718	21592
15°	5177	24852	5177	24852
20°	4584	26027	4584	26027
25°	4055	26453	4055	26453
30°	3581	26779	3581	26779
35°	3199	28791	3199	28791
40°	2909	30588	2909	30588
45°	2683	32030	2683	32030
50°	2529	32613	2529	32613
55°	2469	32872	2469	32872
60°	2528	32708	2528	32708
65°	2636	31785	2636	31785
70°	2729	24042	2729	24042
75°	3026	13269	3026	13269
80°	3124	12310	3124	12310
85°	3112	5187	3112	5187

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 52.5°
 Luminance: 33168 cd/sqm

TEST NUMBER: P1435898

CATALOG NUMBER: SQ2W-FB-0U-100D-L930-UNV-STD-W-WM-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.0	1.7
10°-20°	296.6	7.7
20°-30°	522.0	13.6
30°-40°	675.7	17.6
40°-50°	745.2	19.4
50°-60°	695.5	18.1
60°-70°	537.3	14.0
70°-80°	247.7	6.5
80°-90°	47.4	1.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	883.6	23.1
0°-40°	1559.3	40.7
0°-60°	2999.9	78.3
0°-90°	3832.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3832.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	388	388	388	388	388	
5°	377	685	377	685	377	35
15°	310	1487	310	1487	310	86
25°	228	1485	228	1485	228	105
35°	162	1461	162	1461	162	102
45°	118	1403	118	1403	118	91
55°	88	1168	88	1168	88	79
65°	69	832	69	832	69	68
75°	48	213	48	213	48	50
85°	17	28	17	28	17	18
90°	0	0	0	0	0	



TEST NUMBER: P1435898

CATALOG NUMBER: SQ2W-FB-OU-100D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	388.0	388.0	388.0	388.0	388.0	388.0	388.0	388.0	388.0	388.0	388.0
2.5°	385.0	392.3	399.6	407.4	415.4	424.0	433.3	441.2	445.2	449.2	445.2
5°	376.8	401.7	426.6	462.6	502.4	547.6	598.2	641.5	663.1	684.6	663.1
7.5°	362.3	412.8	463.4	570.6	696.6	827.4	963.1	1075.6	1118.7	1161.8	1118.7
10°	348.8	419.3	489.8	671.6	890.5	1058.8	1176.5	1270.6	1293.8	1317.0	1293.8
12.5°	333.9	429.6	525.3	749.7	1017.0	1191.9	1274.5	1342.4	1366.3	1390.1	1366.3
15°	309.7	446.5	583.3	837.0	1129.6	1309.6	1376.7	1433.7	1460.2	1486.8	1460.2
17.5°	284.7	466.7	648.8	907.6	1192.0	1367.4	1433.9	1487.4	1501.8	1516.3	1501.8
20°	266.8	480.7	694.6	953.9	1228.3	1394.1	1451.3	1496.5	1505.6	1514.8	1505.6
22.5°	250.3	489.5	728.6	988.2	1254.7	1409.5	1452.8	1487.7	1497.5	1507.3	1497.5
25°	227.6	497.0	766.5	1025.4	1280.7	1422.1	1449.5	1471.6	1478.3	1484.9	1478.3
27.5°	205.6	490.3	775.0	1030.6	1276.5	1408.4	1426.3	1441.4	1447.9	1454.3	1447.9
30°	192.1	481.5	770.9	1024.1	1265.4	1392.7	1405.9	1418.2	1427.3	1436.4	1427.3
32.5°	180.2	470.9	761.6	1011.7	1248.3	1372.9	1385.5	1399.9	1419.7	1439.4	1419.7
35°	162.3	448.3	734.4	981.9	1216.5	1343.8	1363.7	1387.7	1424.2	1460.7	1424.2
37.5°	147.0	419.4	691.9	936.8	1172.6	1311.3	1353.0	1393.0	1428.1	1463.3	1428.1
40°	138.0	399.2	660.4	903.5	1140.6	1287.0	1342.5	1391.6	1421.5	1451.3	1421.5
42.5°	129.1	376.3	623.6	864.7	1103.8	1255.8	1320.6	1376.7	1406.6	1436.4	1406.6
45°	117.5	339.7	561.9	800.9	1045.5	1205.9	1282.2	1346.5	1374.6	1402.8	1374.6
47.5°	106.7	299.7	492.7	732.8	988.4	1156.8	1237.7	1303.5	1324.1	1344.6	1324.1
50°	100.7	273.2	445.6	686.5	950.1	1121.8	1201.4	1265.2	1281.8	1298.4	1281.8
52.5°	94.8	247.3	399.9	641.2	912.2	1085.1	1160.1	1220.1	1235.4	1250.6	1235.4
55°	87.7	212.0	336.4	575.2	852.1	1023.3	1088.8	1141.3	1154.5	1167.8	1154.5
57.5°	81.3	181.7	282.0	513.3	788.2	953.6	1009.5	1054.1	1064.9	1075.6	1064.9
60°	78.3	165.4	252.5	474.5	741.4	900.2	950.8	991.4	1002.2	1012.9	1002.2
62.5°	73.9	149.7	225.4	435.6	690.7	841.5	888.1	925.6	935.7	945.8	935.7
65°	69.0	130.4	191.7	381.2	613.3	748.9	787.8	818.7	825.4	832.0	825.4
67.5°	62.3	114.4	166.4	331.3	533.8	647.1	671.3	686.4	673.9	661.5	673.9
70°	57.8	105.9	154.0	301.0	480.9	575.0	583.3	580.6	544.9	509.3	544.9
72.5°	54.8	97.6	140.4	267.6	423.0	491.6	473.3	442.8	375.3	307.8	375.3
75°	48.5	83.3	118.1	213.9	330.0	348.2	268.6	209.3	211.0	212.7	211.0
77.5°	39.5	65.6	91.6	150.5	220.3	234.1	192.0	160.8	162.3	163.8	162.3
80°	33.6	54.3	75.0	98.2	122.3	133.5	131.8	130.8	131.6	132.4	131.6
82.5°	27.6	43.0	58.5	72.4	85.8	93.4	95.0	96.0	94.8	93.6	94.8
85°	16.8	25.9	35.0	40.4	44.6	43.3	36.7	31.3	29.6	28.0	29.6
87.5°	6.0	9.3	12.6	11.4	8.8	7.5	7.5	7.5	7.5	7.5	7.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1435898

CATALOG NUMBER: SQ2W-FB-OU-100D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	388.0	388.0	388.0	388.0	388.0	388.0	388.0	388.0	388.0	388.0	388.0
2.5°	441.2	433.3	424.0	415.4	407.4	399.6	392.3	385.0	392.3	399.6	407.4
5°	641.5	598.2	547.6	502.4	462.6	426.6	401.7	376.8	401.7	426.6	462.6
7.5°	1075.6	963.1	827.4	696.6	570.6	463.4	412.8	362.3	412.8	463.4	570.6
10°	1270.6	1176.5	1058.8	890.5	671.6	489.8	419.3	348.8	419.3	489.8	671.6
12.5°	1342.4	1274.5	1191.9	1017.0	749.7	525.3	429.6	333.9	429.6	525.3	749.7
15°	1433.7	1376.7	1309.6	1129.6	837.0	583.3	446.5	309.7	446.5	583.3	837.0
17.5°	1487.4	1433.9	1367.4	1192.0	907.6	648.8	466.7	284.7	466.7	648.8	907.6
20°	1496.5	1451.3	1394.1	1228.3	953.9	694.6	480.7	266.8	480.7	694.6	953.9
22.5°	1487.7	1452.8	1409.5	1254.7	988.2	728.6	489.5	250.3	489.5	728.6	988.2
25°	1471.6	1449.5	1422.1	1280.7	1025.4	766.5	497.0	227.6	497.0	766.5	1025.4
27.5°	1441.4	1426.3	1408.4	1276.5	1030.6	775.0	490.3	205.6	490.3	775.0	1030.6
30°	1418.2	1405.9	1392.7	1265.4	1024.1	770.9	481.5	192.1	481.5	770.9	1024.1
32.5°	1399.9	1385.5	1372.9	1248.3	1011.7	761.6	470.9	180.2	470.9	761.6	1011.7
35°	1387.7	1363.7	1343.8	1216.5	981.9	734.4	448.3	162.3	448.3	734.4	981.9
37.5°	1393.0	1353.0	1311.3	1172.6	936.8	691.9	419.4	147.0	419.4	691.9	936.8
40°	1391.6	1342.5	1287.0	1140.6	903.5	660.4	399.2	138.0	399.2	660.4	903.5
42.5°	1376.7	1320.6	1255.8	1103.8	864.7	623.6	376.3	129.1	376.3	623.6	864.7
45°	1346.5	1282.2	1205.9	1045.5	800.9	561.9	339.7	117.5	339.7	561.9	800.9
47.5°	1303.5	1237.7	1156.8	988.4	732.8	492.7	299.7	106.7	299.7	492.7	732.8
50°	1265.2	1201.4	1121.8	950.1	686.5	445.6	273.2	100.7	273.2	445.6	686.5
52.5°	1220.1	1160.1	1085.1	912.2	641.2	399.9	247.3	94.8	247.3	399.9	641.2
55°	1141.3	1088.8	1023.3	852.1	575.2	336.4	212.0	87.7	212.0	336.4	575.2
57.5°	1054.1	1009.5	953.6	788.2	513.3	282.0	181.7	81.3	181.7	282.0	513.3
60°	991.4	950.8	900.2	741.4	474.5	252.5	165.4	78.3	165.4	252.5	474.5
62.5°	925.6	888.1	841.5	690.7	435.6	225.4	149.7	73.9	149.7	225.4	435.6
65°	818.7	787.8	748.9	613.3	381.2	191.7	130.4	69.0	130.4	191.7	381.2
67.5°	686.4	671.3	647.1	533.8	331.3	166.4	114.4	62.3	114.4	166.4	331.3
70°	580.6	583.3	575.0	480.9	301.0	154.0	105.9	57.8	105.9	154.0	301.0
72.5°	442.8	473.3	491.6	423.0	267.6	140.4	97.6	54.8	97.6	140.4	267.6
75°	209.3	268.6	348.2	330.0	213.9	118.1	83.3	48.5	83.3	118.1	213.9
77.5°	160.8	192.0	234.1	220.3	150.5	91.6	65.6	39.5	65.6	91.6	150.5
80°	130.8	131.8	133.5	122.3	98.2	75.0	54.3	33.6	54.3	75.0	98.2
82.5°	96.0	95.0	93.4	85.8	72.4	58.5	43.0	27.6	43.0	58.5	72.4
85°	31.3	36.7	43.3	44.6	40.4	35.0	25.9	16.8	25.9	35.0	40.4
87.5°	7.5	7.5	7.5	8.8	11.4	12.6	9.3	6.0	9.3	12.6	11.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1435898

CATALOG NUMBER: SQ2W-FB-OU-100D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	388.0	388.0	388.0	388.0	388.0	388.0	388.0	388.0	388.0	388.0	388.0
2.5°	415.4	424.0	433.3	441.2	445.2	449.2	445.2	441.2	433.3	424.0	415.4
5°	502.4	547.6	598.2	641.5	663.1	684.6	663.1	641.5	598.2	547.6	502.4
7.5°	696.6	827.4	963.1	1075.6	1118.7	1161.8	1118.7	1075.6	963.1	827.4	696.6
10°	890.5	1058.8	1176.5	1270.6	1293.8	1317.0	1293.8	1270.6	1176.5	1058.8	890.5
12.5°	1017.0	1191.9	1274.5	1342.4	1366.3	1390.1	1366.3	1342.4	1274.5	1191.9	1017.0
15°	1129.6	1309.6	1376.7	1433.7	1460.2	1486.8	1460.2	1433.7	1376.7	1309.6	1129.6
17.5°	1192.0	1367.4	1433.9	1487.4	1501.8	1516.3	1501.8	1487.4	1433.9	1367.4	1192.0
20°	1228.3	1394.1	1451.3	1496.5	1505.6	1514.8	1505.6	1496.5	1451.3	1394.1	1228.3
22.5°	1254.7	1409.5	1452.8	1487.7	1497.5	1507.3	1497.5	1487.7	1452.8	1409.5	1254.7
25°	1280.7	1422.1	1449.5	1471.6	1478.3	1484.9	1478.3	1471.6	1449.5	1422.1	1280.7
27.5°	1276.5	1408.4	1426.3	1441.4	1447.9	1454.3	1447.9	1441.4	1426.3	1408.4	1276.5
30°	1265.4	1392.7	1405.9	1418.2	1427.3	1436.4	1427.3	1418.2	1405.9	1392.7	1265.4
32.5°	1248.3	1372.9	1385.5	1399.9	1419.7	1439.4	1419.7	1399.9	1385.5	1372.9	1248.3
35°	1216.5	1343.8	1363.7	1387.7	1424.2	1460.7	1424.2	1387.7	1363.7	1343.8	1216.5
37.5°	1172.6	1311.3	1353.0	1393.0	1428.1	1463.3	1428.1	1393.0	1353.0	1311.3	1172.6
40°	1140.6	1287.0	1342.5	1391.6	1421.5	1451.3	1421.5	1391.6	1342.5	1287.0	1140.6
42.5°	1103.8	1255.8	1320.6	1376.7	1406.6	1436.4	1406.6	1376.7	1320.6	1255.8	1103.8
45°	1045.5	1205.9	1282.2	1346.5	1374.6	1402.8	1374.6	1346.5	1282.2	1205.9	1045.5
47.5°	988.4	1156.8	1237.7	1303.5	1324.1	1344.6	1324.1	1303.5	1237.7	1156.8	988.4
50°	950.1	1121.8	1201.4	1265.2	1281.8	1298.4	1281.8	1265.2	1201.4	1121.8	950.1
52.5°	912.2	1085.1	1160.1	1220.1	1235.4	1250.6	1235.4	1220.1	1160.1	1085.1	912.2
55°	852.1	1023.3	1088.8	1141.3	1154.5	1167.8	1154.5	1141.3	1088.8	1023.3	852.1
57.5°	788.2	953.6	1009.5	1054.1	1064.9	1075.6	1064.9	1054.1	1009.5	953.6	788.2
60°	741.4	900.2	950.8	991.4	1002.2	1012.9	1002.2	991.4	950.8	900.2	741.4
62.5°	690.7	841.5	888.1	925.6	935.7	945.8	935.7	925.6	888.1	841.5	690.7
65°	613.3	748.9	787.8	818.7	825.4	832.0	825.4	818.7	787.8	748.9	613.3
67.5°	533.8	647.1	671.3	686.4	673.9	661.5	673.9	686.4	671.3	647.1	533.8
70°	480.9	575.0	583.3	580.6	544.9	509.3	544.9	580.6	583.3	575.0	480.9
72.5°	423.0	491.6	473.3	442.8	375.3	307.8	375.3	442.8	473.3	491.6	423.0
75°	330.0	348.2	268.6	209.3	211.0	212.7	211.0	209.3	268.6	348.2	330.0
77.5°	220.3	234.1	192.0	160.8	162.3	163.8	162.3	160.8	192.0	234.1	220.3
80°	122.3	133.5	131.8	130.8	131.6	132.4	131.6	130.8	133.5	131.8	122.3
82.5°	85.8	93.4	95.0	96.0	94.8	93.6	94.8	96.0	95.0	93.4	85.8
85°	44.6	43.3	36.7	31.3	29.6	28.0	29.6	31.3	36.7	43.3	44.6
87.5°	8.8	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	8.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1435898

CATALOG NUMBER: SQ2W-FB-0U-100D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	388.0	388.0	388.0	388.0
2.5°	407.4	399.6	392.3	385.0
5°	462.6	426.6	401.7	376.8
7.5°	570.6	463.4	412.8	362.3
10°	671.6	489.8	419.3	348.8
12.5°	749.7	525.3	429.6	333.9
15°	837.0	583.3	446.5	309.7
17.5°	907.6	648.8	466.7	284.7
20°	953.9	694.6	480.7	266.8
22.5°	988.2	728.6	489.5	250.3
25°	1025.4	766.5	497.0	227.6
27.5°	1030.6	775.0	490.3	205.6
30°	1024.1	770.9	481.5	192.1
32.5°	1011.7	761.6	470.9	180.2
35°	981.9	734.4	448.3	162.3
37.5°	936.8	691.9	419.4	147.0
40°	903.5	660.4	399.2	138.0
42.5°	864.7	623.6	376.3	129.1
45°	800.9	561.9	339.7	117.5
47.5°	732.8	492.7	299.7	106.7
50°	686.5	445.6	273.2	100.7
52.5°	641.2	399.9	247.3	94.8
55°	575.2	336.4	212.0	87.7
57.5°	513.3	282.0	181.7	81.3
60°	474.5	252.5	165.4	78.3
62.5°	435.6	225.4	149.7	73.9
65°	381.2	191.7	130.4	69.0
67.5°	331.3	166.4	114.4	62.3
70°	301.0	154.0	105.9	57.8
72.5°	267.6	140.4	97.6	54.8
75°	213.9	118.1	83.3	48.5
77.5°	150.5	91.6	65.6	39.5
80°	98.2	75.0	54.3	33.6
82.5°	72.4	58.5	43.0	27.6
85°	40.4	35.0	25.9	16.8
87.5°	11.4	12.6	9.3	6.0
90°	0.0	0.0	0.0	0.0



TEST NUMBER: P1435898

CATALOG NUMBER: SQ2W-FB-0U-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	16.31	18.00	16.68	18.31	18.63	25.91	27.59	26.27	27.91	28.22
	3H	17.31	18.84	17.69	19.16	19.52	27.57	29.10	27.95	29.42	29.78
	4H	17.75	19.18	18.14	19.53	19.90	27.79	29.22	28.19	29.57	29.94
	6H	18.04	19.37	18.45	19.74	20.13	27.91	29.24	28.32	29.60	29.99
	8H	18.16	19.43	18.58	19.82	20.21	27.95	29.22	28.37	29.61	30.00
	12H	18.23	19.45	18.66	19.83	20.26	27.95	29.17	28.38	29.55	29.98
4H	2H	21.13	22.56	21.53	22.91	23.29	26.37	27.81	26.77	28.15	28.53
	3H	22.33	23.53	22.74	23.93	24.33	28.33	29.54	28.74	29.93	30.33
	4H	22.65	23.73	23.08	24.15	24.58	28.59	29.68	29.02	30.09	30.52
	6H	22.83	23.78	23.29	24.22	24.67	28.77	29.72	29.22	30.16	30.61
	8H	22.89	23.78	23.35	24.22	24.68	28.84	29.72	29.30	30.16	30.63
	12H	22.94	23.73	23.42	24.21	24.67	28.86	29.65	29.34	30.13	30.60
8H	4H	23.91	24.80	24.37	25.24	25.70	28.75	29.64	29.21	30.08	30.54
	6H	24.21	24.94	24.70	25.43	25.90	28.99	29.72	29.48	30.21	30.68
	8H	24.32	24.97	24.83	25.48	25.96	29.09	29.74	29.60	30.25	30.74
	12H	24.40	24.98	24.90	25.47	26.03	29.13	29.71	29.64	30.20	30.76
12H	4H	23.98	24.77	24.46	25.25	25.71	28.74	29.54	29.22	30.01	30.48
	6H	24.33	24.98	24.83	25.49	25.97	28.98	29.64	29.49	30.14	30.63
	8H	24.50	25.08	25.01	25.57	26.13	29.12	29.70	29.63	30.19	30.75