

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: P1436018

Luminaire Tested: SQ2W-FB-K-125U-100D-L930-UNV-STD-W-WM-4

Issue Date: 3/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1436018
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-12)
Test Lab: INNOVATION CENTER
Issue Date: 3/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-FB-K-125U-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 1250 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

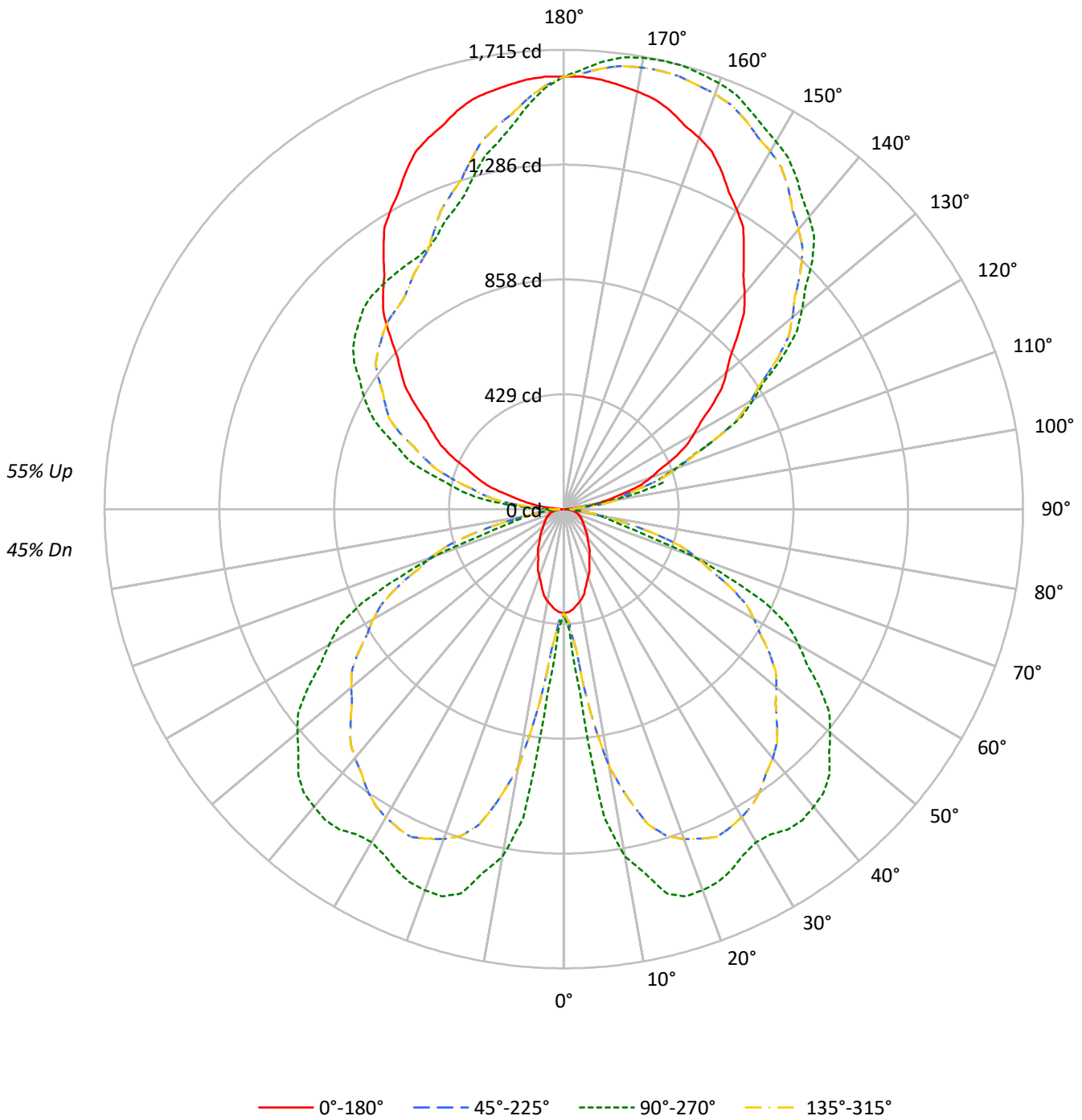
Lumens per Lamp: N/A
Luminaire Lumens: 8553.6 lumens
Efficiency: N/A
Efficacy: 104.8 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 2.98 / 2.52
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 81.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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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	65	65	65	51	51	51	45
1	96	92	88	85	88	84	81	78	70	68	66	57	56	54	45	44	43	37
2	88	80	74	69	80	73	68	64	61	57	54	50	47	45	39	37	36	31
3	80	70	62	57	73	64	58	53	54	49	45	44	40	37	34	32	30	26
4	72	62	53	47	66	57	50	44	47	42	38	39	35	31	30	28	25	21
5	66	54	46	40	60	50	43	37	42	36	32	34	30	27	27	24	22	18
6	61	49	40	34	55	45	37	32	37	32	28	31	26	23	24	21	19	16
7	56	44	36	30	51	40	33	28	34	28	24	28	23	20	22	19	16	14
8	52	39	31	26	47	36	29	24	31	25	21	25	21	18	20	17	14	12
9	48	36	28	23	44	33	26	22	28	22	19	23	19	16	18	15	13	11
10	45	33	25	20	41	30	24	19	25	20	17	21	17	14	17	14	12	10

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



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.0	0.8
10°-20°	296.6	3.5
20°-30°	522.0	6.1
30°-40°	675.7	7.9
40°-50°	745.2	8.7
50°-60°	695.5	8.1
60°-70°	537.3	6.3
70°-80°	247.7	2.9
80°-90°	54.0	0.6
90°-100°	128.5	1.5
100°-110°	374.8	4.4
110°-120°	611.6	7.2
120°-130°	776.1	9.1
130°-140°	830.4	9.7
140°-150°	775.4	9.1
150°-160°	638.1	7.5
160°-170°	427.9	5.0
170°-180°	151.9	1.8
0°-30°	883.6	10.3
0°-40°	1559.3	18.2
0°-60°	2999.9	35.1
0°-90°	3838.9	44.9
90°-120°	1114.9	13.0
90°-150°	3496.8	40.9
90°-180°	4715.0	55.1
0°-180°	8553.6	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°	5	36	5	70	5	5
95°	51	38	51	220	51	61
105°	238	382	238	525	238	253
115°	457	633	457	780	457	450
125°	675	1003	675	956	675	604
135°	918	1313	918	1058	918	710
145°	1173	1514	1173	1081	1173	734
155°	1393	1644	1393	1122	1393	640
165°	1540	1714	1540	1292	1540	433
175°	1610	1678	1610	1515	1610	153
180°	1615	1615	1615	1615	1615	



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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°	6.9	11.6	16.5	16.7	15.0	14.0	14.0	14.3	14.6	14.6	14.6
90°	4.9	11.4	19.6	26.1	31.0	32.6	32.6	34.3	35.9	35.9	35.9
92.5°	17.9	28.4	28.7	28.7	34.9	37.8	40.4	40.8	42.4	42.4	42.4
95°	50.6	55.5	83.2	81.6	55.5	44.0	37.5	37.5	37.5	37.5	37.5
97.5°	96.6	103.7	108.3	145.2	153.3	148.1	120.7	101.5	90.7	85.8	90.7
100°	137.0	140.3	150.1	151.7	192.5	231.6	212.0	187.6	179.4	174.5	179.4
102.5°	177.5	179.4	194.4	201.3	210.7	232.9	300.8	293.3	287.7	286.7	287.7
105°	238.1	239.8	267.5	280.5	287.1	287.1	285.4	318.1	370.2	381.7	370.2
107.5°	303.0	310.5	343.2	378.1	385.6	387.5	379.1	374.2	372.2	373.5	372.2
110°	347.4	358.8	398.0	442.0	453.4	456.7	453.4	448.5	445.3	445.3	445.3



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CATALOG NUMBER: SQ2W-FB-K-125U-100D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	390.5	407.1	451.5	502.0	521.3	531.1	523.9	520.3	517.0	519.6	517.0
115°	456.7	481.2	539.9	592.1	631.2	636.1	634.5	634.5	632.8	632.8	632.8
117.5°	518.0	557.2	623.1	683.7	729.1	742.1	748.6	746.7	744.7	748.0	744.7
120°	561.1	606.7	681.8	750.3	794.3	813.9	820.4	817.1	820.4	817.1	820.4
122.5°	606.7	662.9	736.6	807.7	859.6	881.7	889.6	890.2	890.9	888.9	890.9
125°	675.2	743.8	830.2	903.6	957.4	983.5	990.0	991.7	994.9	1003.1	994.9
127.5°	744.4	822.0	917.0	987.8	1042.9	1074.5	1084.6	1088.2	1095.1	1098.7	1095.1
130°	792.7	880.8	977.0	1043.9	1097.7	1131.9	1149.9	1154.8	1162.9	1161.3	1162.9
132.5°	843.6	935.6	1033.1	1102.6	1152.5	1189.3	1204.7	1218.7	1221.6	1223.9	1221.6
135°	918.3	1017.8	1115.6	1184.1	1231.4	1267.3	1286.9	1299.9	1308.1	1313.0	1308.1
137.5°	996.9	1101.9	1195.9	1256.9	1304.5	1335.5	1357.7	1371.4	1379.9	1383.8	1379.9
140°	1050.4	1151.5	1242.8	1306.5	1348.9	1379.9	1399.4	1415.7	1425.5	1425.5	1425.5
142.5°	1101.3	1201.1	1289.8	1353.4	1390.6	1419.0	1439.9	1452.3	1463.4	1463.4	1463.4
145°	1172.7	1272.2	1353.8	1417.4	1448.4	1474.5	1497.3	1507.1	1513.6	1513.6	1513.6
147.5°	1247.4	1335.5	1409.9	1470.9	1497.0	1527.6	1545.6	1553.4	1561.6	1558.0	1561.6
150°	1291.8	1373.3	1445.1	1502.2	1528.3	1557.6	1575.6	1582.1	1590.3	1585.4	1590.3
152.5°	1334.8	1412.5	1477.7	1530.9	1553.1	1582.4	1603.0	1609.5	1615.0	1611.5	1615.0
155°	1392.9	1461.4	1521.8	1570.7	1590.3	1618.0	1637.6	1645.7	1652.2	1644.1	1652.2
157.5°	1444.8	1503.8	1556.3	1601.3	1622.2	1646.0	1664.3	1674.4	1680.9	1677.4	1680.9
160°	1476.1	1529.9	1577.2	1619.6	1639.2	1660.4	1680.0	1691.4	1697.9	1693.0	1697.9
162.5°	1502.2	1550.8	1595.5	1634.0	1650.9	1669.5	1693.0	1703.1	1709.6	1703.5	1709.6
165°	1539.7	1578.8	1618.0	1650.6	1665.3	1680.0	1704.4	1715.8	1720.7	1714.2	1720.7
167.5°	1568.1	1598.1	1629.7	1657.8	1668.5	1682.9	1707.4	1716.8	1723.0	1714.9	1723.0
170°	1583.7	1609.8	1637.6	1660.4	1668.5	1681.6	1706.1	1714.2	1719.1	1711.0	1719.1
172.5°	1596.8	1616.4	1638.9	1659.1	1663.3	1673.8	1696.9	1705.1	1708.7	1701.8	1708.7
175°	1609.8	1621.2	1637.6	1650.6	1649.0	1655.5	1675.1	1681.6	1688.1	1678.3	1688.1
177.5°	1616.0	1621.2	1626.5	1634.3	1629.1	1629.1	1643.4	1647.3	1648.6	1643.4	1648.6
180°	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7



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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°	14.3	14.0	14.0	15.0	16.7	16.5	11.6	6.9	11.6	16.2	17.3
90°	34.3	32.6	32.6	31.0	26.1	19.6	11.4	4.9	11.4	17.9	29.4
92.5°	40.8	40.4	37.8	34.9	28.7	28.7	28.4	17.9	31.0	44.0	63.3
95°	37.5	37.5	44.0	55.5	81.6	83.2	55.5	50.6	71.8	101.1	127.2
97.5°	101.5	120.7	148.1	153.3	145.2	108.3	103.7	96.6	131.5	160.5	202.6
100°	187.6	212.0	231.6	192.5	151.7	150.1	140.3	137.0	174.5	202.2	243.0
102.5°	293.3	300.8	232.9	210.7	201.3	194.4	179.4	177.5	215.0	253.1	287.4
105°	318.1	285.4	287.1	287.1	280.5	267.5	239.8	238.1	280.5	324.6	367.0
107.5°	374.2	379.1	387.5	385.6	378.1	343.2	310.5	303.0	341.2	394.1	440.7
110°	448.5	453.4	456.7	453.4	442.0	398.0	358.8	347.4	381.7	437.1	487.7



TEST NUMBER: P1436018

CATALOG NUMBER: SQ2W-FB-K-125U-100D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	520.3	523.9	531.1	521.3	502.0	451.5	407.1	390.5	424.7	481.5	533.3
115°	634.5	634.5	636.1	631.2	592.1	539.9	481.2	456.7	486.0	538.2	595.3
117.5°	746.7	748.6	742.1	729.1	683.7	623.1	557.2	518.0	541.2	596.3	655.0
120°	817.1	820.4	813.9	794.3	750.3	681.8	606.7	561.1	579.0	632.8	691.6
122.5°	890.2	889.6	881.7	859.6	807.7	736.6	662.9	606.7	614.2	664.2	721.6
125°	991.7	990.0	983.5	957.4	903.6	830.2	743.8	675.2	665.5	707.9	766.6
127.5°	1088.2	1084.6	1074.5	1042.9	987.8	917.0	822.0	744.4	722.5	749.3	803.1
130°	1154.8	1149.9	1131.9	1097.7	1043.9	977.0	880.8	792.7	761.7	778.0	825.3
132.5°	1218.7	1204.7	1189.3	1152.5	1102.6	1033.1	935.6	843.6	800.8	808.0	844.9
135°	1299.9	1286.9	1267.3	1231.4	1184.1	1115.6	1017.8	918.3	859.6	853.0	874.2
137.5°	1371.4	1357.7	1335.5	1304.5	1256.9	1195.9	1101.9	996.9	922.8	901.0	909.1
140°	1415.7	1399.4	1379.9	1348.9	1306.5	1242.8	1151.5	1050.4	967.2	936.2	931.3
142.5°	1452.3	1439.9	1419.0	1390.6	1353.4	1289.8	1201.1	1101.3	1012.9	972.7	961.3
145°	1507.1	1497.3	1474.5	1448.4	1417.4	1353.8	1272.2	1172.7	1084.6	1032.4	1008.0
147.5°	1553.4	1545.6	1527.6	1497.0	1470.9	1409.9	1335.5	1247.4	1157.1	1092.5	1060.8
150°	1582.1	1575.6	1557.6	1528.3	1502.2	1445.1	1373.3	1291.8	1205.3	1136.8	1096.1
152.5°	1609.5	1603.0	1582.4	1553.1	1530.9	1477.7	1412.5	1334.8	1247.1	1178.6	1136.5
155°	1645.7	1637.6	1618.0	1590.3	1570.7	1521.8	1461.4	1392.9	1317.9	1246.1	1198.8
157.5°	1674.4	1664.3	1646.0	1622.2	1601.3	1556.3	1503.8	1444.8	1379.2	1310.7	1262.4
160°	1691.4	1680.0	1660.4	1639.2	1619.6	1577.2	1529.9	1476.1	1415.7	1353.8	1301.6
162.5°	1703.1	1693.0	1669.5	1650.9	1634.0	1595.5	1550.8	1502.2	1448.4	1394.2	1345.9
165°	1715.8	1704.4	1680.0	1665.3	1650.6	1618.0	1578.8	1539.7	1494.0	1450.0	1410.8
167.5°	1716.8	1707.4	1682.9	1668.5	1657.8	1629.7	1598.1	1568.1	1532.5	1497.9	1465.3
170°	1714.2	1706.1	1681.6	1668.5	1660.4	1637.6	1609.8	1583.7	1556.0	1526.6	1500.6
172.5°	1705.1	1696.9	1673.8	1663.3	1659.1	1638.9	1616.4	1596.8	1573.0	1551.4	1530.6
175°	1681.6	1675.1	1655.5	1649.0	1650.6	1637.6	1621.2	1609.8	1595.2	1582.1	1570.7
177.5°	1647.3	1643.4	1629.1	1629.1	1634.3	1626.5	1621.2	1616.0	1609.5	1605.6	1601.7
180°	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7



TEST NUMBER: P1436018

CATALOG NUMBER: SQ2W-FB-K-125U-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°	16.3	17.2	19.5	20.8	22.1	21.5	22.1	20.8	19.5	17.2	16.3
90°	37.5	48.9	60.3	66.9	73.4	70.1	73.4	66.9	60.3	48.9	37.5
92.5°	75.4	94.6	108.6	120.4	125.6	124.9	125.6	120.4	108.6	94.6	75.4
95°	151.7	174.5	197.4	213.7	223.5	220.2	223.5	213.7	197.4	174.5	151.7
97.5°	233.9	264.6	290.0	305.3	315.1	321.6	315.1	305.3	290.0	264.6	233.9
100°	288.7	318.1	347.4	365.4	381.7	388.2	381.7	365.4	347.4	318.1	288.7
102.5°	333.1	371.5	403.5	422.8	436.5	443.0	436.5	422.8	403.5	371.5	333.1
105°	406.1	446.9	481.2	505.6	520.3	525.2	520.3	505.6	481.2	446.9	406.1
107.5°	479.2	521.3	552.9	580.0	597.9	608.4	597.9	580.0	552.9	521.3	479.2
110°	536.6	570.9	605.1	629.6	647.5	654.0	647.5	629.6	605.1	570.9	536.6



TEST NUMBER: P1436018

CATALOG NUMBER: SQ2W-FB-K-125U-100D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	584.9	623.1	657.3	681.8	702.3	711.5	702.3	681.8	657.3	623.1	584.9
115°	652.4	703.0	734.0	756.8	771.5	779.6	771.5	756.8	734.0	703.0	652.4
117.5°	708.5	761.4	795.3	812.9	819.8	825.6	819.8	812.9	795.3	761.4	708.5
120°	743.8	792.7	831.8	854.7	862.8	866.1	862.8	854.7	831.8	792.7	743.8
122.5°	776.4	822.7	860.5	888.6	902.0	905.2	902.0	888.6	860.5	822.7	776.4
125°	822.0	866.1	905.2	933.0	947.6	955.8	947.6	933.0	905.2	866.1	822.0
127.5°	861.8	909.5	945.3	970.5	984.8	991.3	984.8	970.5	945.3	909.5	861.8
130°	884.0	933.0	968.8	996.6	1009.6	1016.1	1009.6	996.6	968.8	933.0	884.0
132.5°	901.0	952.5	989.7	1014.8	1029.2	1035.7	1029.2	1014.8	989.7	952.5	901.0
135°	921.5	975.4	1014.5	1039.0	1052.0	1058.5	1052.0	1039.0	1014.5	975.4	921.5
137.5°	939.5	988.4	1029.2	1055.0	1066.7	1070.9	1066.7	1055.0	1029.2	988.4	939.5
140°	952.5	994.9	1035.7	1060.2	1073.2	1074.9	1073.2	1060.2	1035.7	994.9	952.5
142.5°	969.5	1002.8	1038.3	1062.8	1075.8	1078.8	1075.8	1062.8	1038.3	1002.8	969.5
145°	999.8	1019.4	1043.9	1066.7	1078.1	1081.4	1078.1	1066.7	1043.9	1019.4	999.8
147.5°	1038.0	1044.2	1056.9	1071.9	1083.0	1085.3	1083.0	1071.9	1056.9	1044.2	1038.0
150°	1066.7	1065.1	1070.0	1079.7	1089.5	1087.9	1089.5	1079.7	1070.0	1065.1	1066.7
152.5°	1099.3	1089.9	1089.5	1094.1	1098.7	1098.3	1098.7	1094.1	1089.5	1089.9	1099.3
155°	1154.8	1136.8	1127.0	1123.8	1123.8	1122.2	1123.8	1123.8	1127.0	1136.8	1154.8
157.5°	1215.8	1190.7	1176.0	1168.1	1165.9	1162.3	1165.9	1168.1	1176.0	1190.7	1215.8
160°	1257.5	1229.8	1215.1	1202.1	1197.2	1192.3	1197.2	1202.1	1215.1	1229.8	1257.5
162.5°	1296.7	1270.2	1254.3	1242.5	1237.6	1230.1	1237.6	1242.5	1254.3	1270.2	1296.7
165°	1360.3	1332.6	1314.6	1304.8	1298.3	1291.8	1298.3	1304.8	1314.6	1332.6	1360.3
167.5°	1423.9	1393.6	1381.8	1370.7	1364.5	1352.8	1364.5	1370.7	1381.8	1393.6	1423.9
170°	1463.0	1435.3	1428.8	1419.0	1407.6	1394.5	1407.6	1419.0	1428.8	1435.3	1463.0
172.5°	1497.0	1478.4	1471.8	1462.1	1458.5	1448.0	1458.5	1462.1	1471.8	1478.4	1497.0
175°	1546.2	1531.5	1531.5	1529.9	1525.0	1515.2	1525.0	1529.9	1531.5	1531.5	1546.2
177.5°	1587.3	1579.5	1584.7	1584.7	1583.4	1574.3	1583.4	1584.7	1584.7	1579.5	1587.3
180°	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7



TEST NUMBER: P1436018

CATALOG NUMBER: SQ2W-FB-K-125U-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°	17.3	16.2	11.6	6.9
90°	29.4	17.9	11.4	4.9
92.5°	63.3	44.0	31.0	17.9
95°	127.2	101.1	71.8	50.6
97.5°	202.6	160.5	131.5	96.6
100°	243.0	202.2	174.5	137.0
102.5°	287.4	253.1	215.0	177.5
105°	367.0	324.6	280.5	238.1
107.5°	440.7	394.1	341.2	303.0
110°	487.7	437.1	381.7	347.4



TEST NUMBER: P1436018

CATALOG NUMBER: SQ2W-FB-K-125U-100D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	533.3	481.5	424.7	390.5
115°	595.3	538.2	486.0	456.7
117.5°	655.0	596.3	541.2	518.0
120°	691.6	632.8	579.0	561.1
122.5°	721.6	664.2	614.2	606.7
125°	766.6	707.9	665.5	675.2
127.5°	803.1	749.3	722.5	744.4
130°	825.3	778.0	761.7	792.7
132.5°	844.9	808.0	800.8	843.6
135°	874.2	853.0	859.6	918.3
137.5°	909.1	901.0	922.8	996.9
140°	931.3	936.2	967.2	1050.4
142.5°	961.3	972.7	1012.9	1101.3
145°	1008.0	1032.4	1084.6	1172.7
147.5°	1060.8	1092.5	1157.1	1247.4
150°	1096.1	1136.8	1205.3	1291.8
152.5°	1136.5	1178.6	1247.1	1334.8
155°	1198.8	1246.1	1317.9	1392.9
157.5°	1262.4	1310.7	1379.2	1444.8
160°	1301.6	1353.8	1415.7	1476.1
162.5°	1345.9	1394.2	1448.4	1502.2
165°	1410.8	1450.0	1494.0	1539.7
167.5°	1465.3	1497.9	1532.5	1568.1
170°	1500.6	1526.6	1556.0	1583.7
172.5°	1530.6	1551.4	1573.0	1596.8
175°	1570.7	1582.1	1595.2	1609.8
177.5°	1601.7	1605.6	1609.5	1616.0
180°	1614.7	1614.7	1614.7	1614.7



TEST NUMBER: P1436018
 CATALOG NUMBER: SQ2W-FB-K-125U-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	12.06	12.90	13.05	13.91	15.25	21.66	22.50	22.65	23.51	24.85
	3H	13.00	13.75	14.00	14.77	16.13	23.26	24.01	24.27	25.03	26.39
	4H	13.39	14.11	14.41	15.13	16.50	23.44	24.15	24.45	25.17	26.54
	6H	13.65	14.30	14.68	15.33	16.71	23.51	24.17	24.54	25.19	26.58
	8H	13.74	14.37	14.77	15.41	16.79	23.53	24.15	24.56	25.20	26.57
	12H	13.79	14.38	14.83	15.42	16.82	23.51	24.10	24.55	25.14	26.54
4H	2H	16.78	17.49	17.80	18.51	19.88	22.02	22.73	23.04	23.76	25.12
	3H	17.90	18.50	18.94	19.55	20.93	23.90	24.50	24.94	25.55	26.93
	4H	18.18	18.73	19.23	19.77	21.18	24.13	24.67	25.17	25.71	27.12
	6H	18.32	18.79	19.37	19.85	21.25	24.26	24.72	25.31	25.79	27.19
	8H	18.36	18.79	19.41	19.85	21.27	24.30	24.74	25.35	25.80	27.21
	12H	18.36	18.75	19.43	19.83	21.25	24.28	24.68	25.35	25.75	27.17
8H	4H	19.38	19.81	20.43	20.87	22.29	24.21	24.65	25.27	25.71	27.13
	6H	19.63	19.99	20.71	21.09	22.51	24.41	24.77	25.49	25.87	27.28
	8H	19.73	20.05	20.81	21.13	22.56	24.50	24.82	25.59	25.90	27.33
	12H	19.77	20.05	20.86	21.13	22.60	24.51	24.78	25.59	25.86	27.34
12H	4H	19.40	19.79	20.47	20.87	22.29	24.17	24.56	25.24	25.63	27.05
	6H	19.74	20.06	20.82	21.14	22.57	24.39	24.71	25.48	25.79	27.23
	8H	19.88	20.15	20.96	21.23	22.71	24.49	24.77	25.58	25.85	27.32