

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: P1427786

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

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1427786
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-125U-100D-L930-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 1250 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

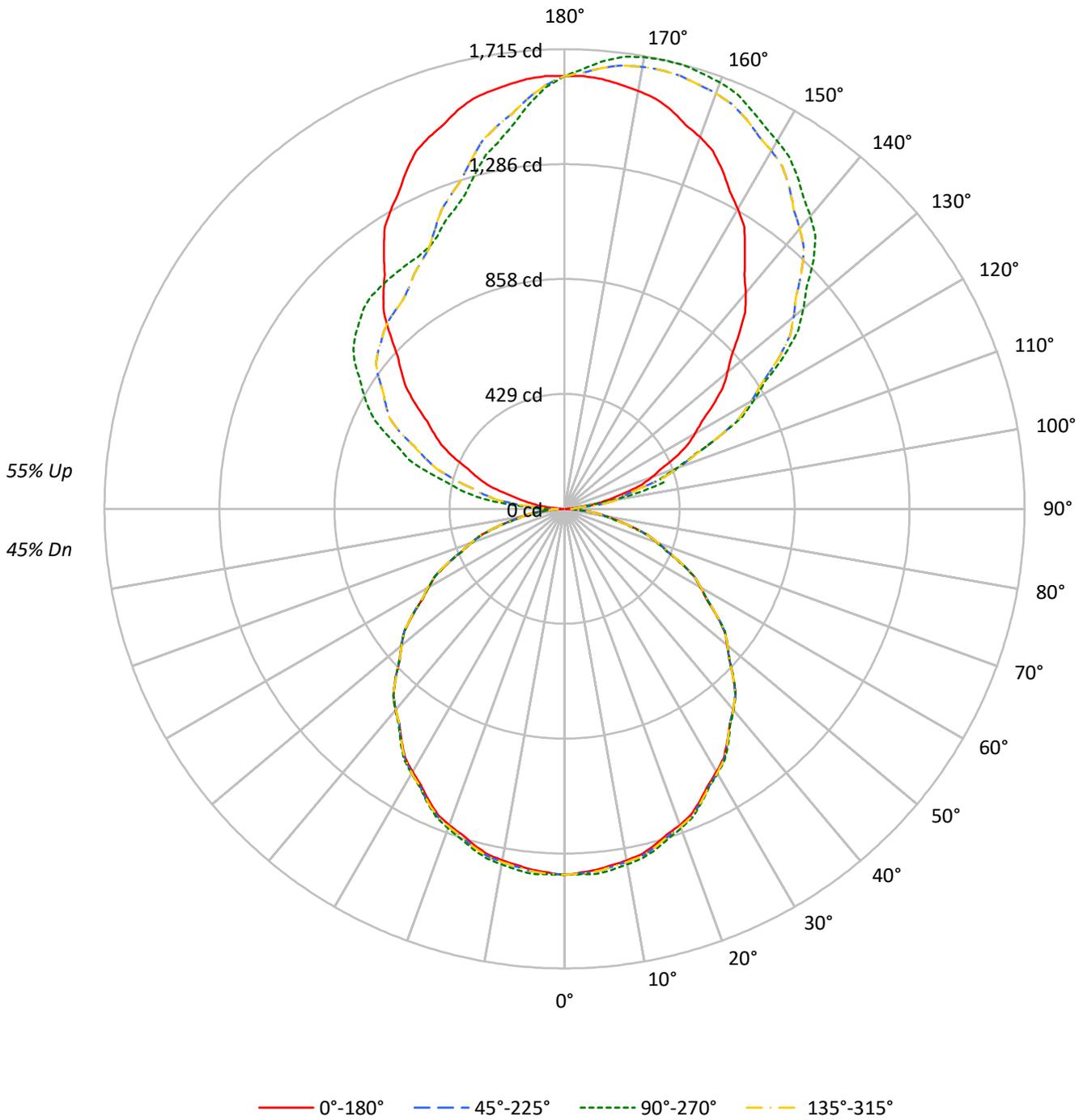
Lumens per Lamp: N/A
Luminaire Lumens: 8565.1 lumens
Efficiency: N/A
Efficacy: 105.0 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.25 / 1.36
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 81.6
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: P1427786

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

Luminous Intensity Polar Plot





TEST NUMBER: P1427786

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

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	106	106	106	106	97	97	97	97	81	81	81	65	65	65	51	51	51	45				
1	97	92	88	85	88	85	81	78	70	68	66	57	56	54	45	44	43	38				
2	88	80	74	69	80	74	68	64	61	58	54	50	47	45	40	38	36	31				
3	80	70	63	57	73	65	58	53	54	49	45	44	41	38	35	33	31	26				
4	73	62	54	48	67	57	50	45	48	43	38	39	35	32	31	28	26	22				
5	67	55	47	41	61	51	44	38	43	37	33	35	31	28	28	25	23	19				
6	62	49	41	36	56	46	38	33	38	33	29	32	27	24	25	22	20	17				
7	57	45	37	31	52	41	34	29	35	29	25	29	25	21	23	20	18	15				
8	53	40	33	27	48	37	30	26	32	26	22	26	22	19	21	18	16	13				
9	49	37	29	24	45	34	27	23	29	24	20	24	20	17	20	16	14	12				
10	46	34	27	22	42	31	25	20	27	21	18	22	18	15	18	15	13	11				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	22052	22052	22052	22052
5°	21917	22167	21917	22167
10°	21839	22092	21839	22092
15°	21720	21992	21720	21992
20°	21582	21797	21582	21797
25°	21349	21538	21349	21538
30°	21123	21266	21123	21266
35°	20853	20985	20853	20985
40°	20615	20676	20615	20676
45°	20315	20315	20315	20315
50°	19906	19954	19906	19954
55°	19440	19465	19440	19465
60°	18913	18913	18913	18913
65°	18300	18227	18300	18227
70°	17433	17254	17433	17254
75°	16257	15901	16257	15901
80°	14486	13770	14486	13770
85°	11578	9800	11578	9800

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 20449 cd/sqm



TEST NUMBER: P1427786

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.2	1.5
10°-20°	369.2	4.3
20°-30°	555.8	6.5
30°-40°	664.7	7.8
40°-50°	686.3	8.0
50°-60°	619.0	7.2
60°-70°	474.2	5.5
70°-80°	274.1	3.2
80°-90°	77.9	0.9
90°-100°	128.5	1.5
100°-110°	374.8	4.4
110°-120°	611.6	7.1
120°-130°	776.1	9.1
130°-140°	830.4	9.7
140°-150°	775.4	9.1
150°-160°	638.1	7.4
160°-170°	427.9	5.0
170°-180°	151.9	1.8
0°-30°	1054.3	12.3
0°-40°	1718.9	20.1
0°-60°	3024.3	35.3
0°-90°	3850.4	45.0
90°-120°	1114.9	13.0
90°-150°	3496.8	40.8
90°-180°	4715.0	55.0
0°-180°	8565.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1366	1366	1366	1366	1366	
5°	1352	1368	1352	1368	1352	128
15°	1299	1316	1299	1316	1299	366
25°	1198	1209	1198	1209	1198	552
35°	1058	1065	1058	1065	1058	662
45°	890	890	890	890	890	686
55°	691	692	691	692	691	617
65°	479	477	479	477	479	473
75°	261	255	261	255	261	276
85°	62	53	62	53	62	73
90°	5	36	5	70	5	7
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	



TEST NUMBER: P1427786

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

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1365.8	1365.8	1365.8	1365.8	1365.8	1365.8	1365.8	1365.8	1365.8	1365.8	1365.8
2.5°	1358.8	1365.3	1371.8	1369.1	1363.3	1361.1	1362.4	1363.6	1364.3	1365.0	1364.3
5°	1352.3	1360.8	1369.4	1366.4	1359.6	1356.6	1357.4	1359.1	1363.4	1367.7	1363.4
7.5°	1341.3	1349.9	1358.4	1355.7	1349.2	1346.5	1347.5	1349.4	1353.8	1358.3	1353.8
10°	1332.1	1340.6	1349.2	1346.2	1339.4	1336.8	1338.5	1340.6	1344.1	1347.5	1344.1
12.5°	1320.5	1329.1	1337.6	1335.2	1329.0	1326.4	1327.5	1329.2	1332.9	1336.7	1332.9
15°	1299.4	1307.9	1316.5	1314.1	1308.2	1305.8	1307.1	1308.9	1312.3	1315.7	1312.3
17.5°	1273.8	1281.8	1289.9	1287.7	1282.2	1280.1	1281.6	1283.4	1286.4	1289.4	1286.4
20°	1256.1	1263.8	1271.5	1269.3	1263.7	1261.1	1261.6	1262.6	1265.6	1268.6	1265.6
22.5°	1234.6	1242.3	1250.0	1248.0	1242.8	1239.7	1238.7	1238.9	1242.6	1246.3	1242.6
25°	1198.4	1206.1	1213.8	1212.2	1207.5	1204.5	1203.2	1203.0	1206.0	1209.0	1206.0
27.5°	1160.7	1167.1	1173.5	1172.2	1168.2	1165.8	1165.0	1164.9	1167.0	1169.2	1167.0
30°	1133.0	1139.4	1145.8	1144.2	1139.9	1137.4	1136.5	1136.4	1138.6	1140.7	1138.6
32.5°	1103.8	1109.8	1115.9	1113.7	1108.7	1106.2	1106.0	1106.5	1109.0	1111.5	1109.0
35°	1058.0	1063.1	1068.2	1066.0	1061.3	1059.2	1059.6	1060.4	1062.6	1064.7	1062.6
37.5°	1012.0	1015.9	1019.9	1017.6	1013.2	1011.0	1010.9	1011.3	1013.1	1014.9	1013.1
40°	978.1	982.4	986.7	984.2	979.5	977.0	976.5	976.8	978.9	981.0	978.9
42.5°	943.5	946.8	950.0	947.8	943.8	941.9	942.2	942.6	943.8	944.9	943.8
45°	889.7	892.7	895.6	893.5	889.7	887.7	887.7	888.0	888.8	889.7	888.8
47.5°	833.3	835.6	837.9	836.3	833.3	831.5	831.0	831.0	832.3	833.7	832.3
50°	792.5	795.5	798.5	797.0	794.0	792.1	791.2	791.0	792.7	794.4	792.7
52.5°	752.5	755.8	759.2	757.8	754.8	752.7	751.5	750.9	752.3	753.7	752.3
55°	690.6	694.4	698.3	697.3	694.7	692.6	690.9	689.8	690.7	691.5	690.7
57.5°	627.3	631.0	634.8	634.1	631.9	629.7	627.7	626.4	627.6	628.8	627.6
60°	585.7	589.2	592.6	591.5	588.9	586.8	585.1	584.0	584.9	585.7	584.9
62.5°	543.4	546.8	550.3	548.9	546.0	543.7	542.0	540.9	541.8	542.6	541.8
65°	479.0	482.0	485.0	483.8	481.2	479.1	477.4	476.2	476.6	477.1	476.6
67.5°	414.0	416.5	419.1	417.9	415.4	412.9	410.4	408.7	409.4	410.1	409.4
70°	369.3	371.9	374.5	373.5	371.4	369.2	367.1	365.5	365.5	365.5	365.5
72.5°	326.2	328.5	330.7	329.4	326.9	324.8	323.0	321.6	321.6	321.6	321.6
75°	260.6	261.9	263.2	262.6	261.3	259.6	257.4	255.7	255.3	254.9	255.3
77.5°	197.4	197.4	197.4	196.1	194.5	192.9	191.3	189.9	189.4	188.9	189.4
80°	155.8	155.8	155.8	154.8	153.6	152.3	151.0	149.8	149.0	148.1	149.0
82.5°	117.3	116.7	116.0	114.8	113.6	111.9	110.0	108.7	109.6	110.4	109.6
85°	62.5	61.7	60.8	59.6	58.3	56.9	55.1	53.8	53.3	52.9	53.3
87.5°	20.2	20.8	21.8	22.1	22.1	21.2	19.9	19.1	19.1	18.7	19.1
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



TEST NUMBER: P1427786

CATALOG NUMBER: SQ2W-F-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



TEST NUMBER: P1427786

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

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1365.8	1365.8	1365.8	1365.8	1365.8	1365.8	1365.8	1365.8	1365.8	1365.8	1365.8
2.5°	1363.6	1362.4	1361.1	1363.3	1369.1	1371.8	1365.3	1358.8	1365.3	1371.8	1369.1
5°	1359.1	1357.4	1356.6	1359.6	1366.4	1369.4	1360.8	1352.3	1360.8	1369.4	1366.4
7.5°	1349.4	1347.5	1346.5	1349.2	1355.7	1358.4	1349.9	1341.3	1349.9	1358.4	1355.7
10°	1340.6	1338.5	1336.8	1339.4	1346.2	1349.2	1340.6	1332.1	1340.6	1349.2	1346.2
12.5°	1329.2	1327.5	1326.4	1329.0	1335.2	1337.6	1329.1	1320.5	1329.1	1337.6	1335.2
15°	1308.9	1307.1	1305.8	1308.2	1314.1	1316.5	1307.9	1299.4	1307.9	1316.5	1314.1
17.5°	1283.4	1281.6	1280.1	1282.2	1287.7	1289.9	1281.8	1273.8	1281.8	1289.9	1287.7
20°	1262.6	1261.6	1261.1	1263.7	1269.3	1271.5	1263.8	1256.1	1263.8	1271.5	1269.3
22.5°	1238.9	1238.7	1239.7	1242.8	1248.0	1250.0	1242.3	1234.6	1242.3	1250.0	1248.0
25°	1203.0	1203.2	1204.5	1207.5	1212.2	1213.8	1206.1	1198.4	1206.1	1213.8	1212.2
27.5°	1164.9	1165.0	1165.8	1168.2	1172.2	1173.5	1167.1	1160.7	1167.1	1173.5	1172.2
30°	1136.4	1136.5	1137.4	1139.9	1144.2	1145.8	1139.4	1133.0	1139.4	1145.8	1144.2
32.5°	1106.5	1106.0	1106.2	1108.7	1113.7	1115.9	1109.8	1103.8	1109.8	1115.9	1113.7
35°	1060.4	1059.6	1059.2	1061.3	1066.0	1068.2	1063.1	1058.0	1063.1	1068.2	1066.0
37.5°	1011.3	1010.9	1011.0	1013.2	1017.6	1019.9	1015.9	1012.0	1015.9	1019.9	1017.6
40°	976.8	976.5	977.0	979.5	984.2	986.7	982.4	978.1	982.4	986.7	984.2
42.5°	942.6	942.2	941.9	943.8	947.8	950.0	946.8	943.5	946.8	950.0	947.8
45°	888.0	887.7	887.7	889.7	893.5	895.6	892.7	889.7	892.7	895.6	893.5
47.5°	831.0	831.0	831.5	833.3	836.3	837.9	835.6	833.3	835.6	837.9	836.3
50°	791.0	791.2	792.1	794.0	797.0	798.5	795.5	792.5	795.5	798.5	797.0
52.5°	750.9	751.5	752.7	754.8	757.8	759.2	755.8	752.5	755.8	759.2	757.8
55°	689.8	690.9	692.6	694.7	697.3	698.3	694.4	690.6	694.4	698.3	697.3
57.5°	626.4	627.7	629.7	631.9	634.1	634.8	631.0	627.3	631.0	634.8	634.1
60°	584.0	585.1	586.8	588.9	591.5	592.6	589.2	585.7	589.2	592.6	591.5
62.5°	540.9	542.0	543.7	546.0	548.9	550.3	546.8	543.4	546.8	550.3	548.9
65°	476.2	477.4	479.1	481.2	483.8	485.0	482.0	479.0	482.0	485.0	483.8
67.5°	408.7	410.4	412.9	415.4	417.9	419.1	416.5	414.0	416.5	419.1	417.9
70°	365.5	367.1	369.2	371.4	373.5	374.5	371.9	369.3	371.9	374.5	373.5
72.5°	321.6	323.0	324.8	326.9	329.4	330.7	328.5	326.2	328.5	330.7	329.4
75°	255.7	257.4	259.6	261.3	262.6	263.2	261.9	260.6	261.9	263.2	262.6
77.5°	189.9	191.3	192.9	194.5	196.1	197.4	197.4	197.4	197.4	197.4	196.1
80°	149.8	151.0	152.3	153.6	154.8	155.8	155.8	155.8	155.8	155.8	154.8
82.5°	108.7	110.0	111.9	113.6	114.8	116.0	116.7	117.3	116.7	116.0	114.8
85°	53.8	55.1	56.9	58.3	59.6	60.8	61.7	62.5	61.7	60.8	59.6
87.5°	19.1	19.9	21.2	22.1	22.1	21.8	20.8	20.2	20.8	21.5	22.8
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: P1427786

CATALOG NUMBER: SQ2W-F-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: P1427786

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1365.8	1365.8	1365.8	1365.8	1365.8	1365.8	1365.8	1365.8	1365.8	1365.8	1365.8
2.5°	1363.3	1361.1	1362.4	1363.6	1364.3	1365.0	1364.3	1363.6	1362.4	1361.1	1363.3
5°	1359.6	1356.6	1357.4	1359.1	1363.4	1367.7	1363.4	1359.1	1357.4	1356.6	1359.6
7.5°	1349.2	1346.5	1347.5	1349.4	1353.8	1358.3	1353.8	1349.4	1347.5	1346.5	1349.2
10°	1339.4	1336.8	1338.5	1340.6	1344.1	1347.5	1344.1	1340.6	1338.5	1336.8	1339.4
12.5°	1329.0	1326.4	1327.5	1329.2	1332.9	1336.7	1332.9	1329.2	1327.5	1326.4	1329.0
15°	1308.2	1305.8	1307.1	1308.9	1312.3	1315.7	1312.3	1308.9	1307.1	1305.8	1308.2
17.5°	1282.2	1280.1	1281.6	1283.4	1286.4	1289.4	1286.4	1283.4	1281.6	1280.1	1282.2
20°	1263.7	1261.1	1261.6	1262.6	1265.6	1268.6	1265.6	1262.6	1261.6	1261.1	1263.7
22.5°	1242.8	1239.7	1238.7	1238.9	1242.6	1246.3	1242.6	1238.9	1238.7	1239.7	1242.8
25°	1207.5	1204.5	1203.2	1203.0	1206.0	1209.0	1206.0	1203.0	1203.2	1204.5	1207.5
27.5°	1168.2	1165.8	1165.0	1164.9	1167.0	1169.2	1167.0	1164.9	1165.0	1165.8	1168.2
30°	1139.9	1137.4	1136.5	1136.4	1138.6	1140.7	1138.6	1136.4	1136.5	1137.4	1139.9
32.5°	1108.7	1106.2	1106.0	1106.5	1109.0	1111.5	1109.0	1106.5	1106.0	1106.2	1108.7
35°	1061.3	1059.2	1059.6	1060.4	1062.6	1064.7	1062.6	1060.4	1059.6	1059.2	1061.3
37.5°	1013.2	1011.0	1010.9	1011.3	1013.1	1014.9	1013.1	1011.3	1010.9	1011.0	1013.2
40°	979.5	977.0	976.5	976.8	978.9	981.0	978.9	976.8	976.5	977.0	979.5
42.5°	943.8	941.9	942.2	942.6	943.8	944.9	943.8	942.6	942.2	941.9	943.8
45°	889.7	887.7	887.7	888.0	888.8	889.7	888.8	888.0	887.7	887.7	889.7
47.5°	833.3	831.5	831.0	831.0	832.3	833.7	832.3	831.0	831.0	831.5	833.3
50°	794.0	792.1	791.2	791.0	792.7	794.4	792.7	791.0	791.2	792.1	794.0
52.5°	754.8	752.7	751.5	750.9	752.3	753.7	752.3	750.9	751.5	752.7	754.8
55°	694.7	692.6	690.9	689.8	690.7	691.5	690.7	689.8	690.9	692.6	694.7
57.5°	631.9	629.7	627.7	626.4	627.6	628.8	627.6	626.4	627.7	629.7	631.9
60°	588.9	586.8	585.1	584.0	584.9	585.7	584.9	584.0	585.1	586.8	588.9
62.5°	546.0	543.7	542.0	540.9	541.8	542.6	541.8	540.9	542.0	543.7	546.0
65°	481.2	479.1	477.4	476.2	476.6	477.1	476.6	476.2	477.4	479.1	481.2
67.5°	415.4	412.9	410.4	408.7	409.4	410.1	409.4	408.7	410.4	412.9	415.4
70°	371.4	369.2	367.1	365.5	365.5	365.5	365.5	365.5	367.1	369.2	371.4
72.5°	326.9	324.8	323.0	321.6	321.6	321.6	321.6	321.6	323.0	324.8	326.9
75°	261.3	259.6	257.4	255.7	255.3	254.9	255.3	255.7	257.4	259.6	261.3
77.5°	194.5	192.9	191.3	189.9	189.4	188.9	189.4	189.9	191.3	192.9	194.5
80°	153.6	152.3	151.0	149.8	149.0	148.1	149.0	149.8	151.0	152.3	153.6
82.5°	113.6	111.9	110.0	108.7	109.6	110.4	109.6	108.7	110.0	111.9	113.6
85°	58.3	56.9	55.1	53.8	53.3	52.9	53.3	53.8	55.1	56.9	58.3
87.5°	23.4	24.5	25.4	25.6	26.6	25.6	26.6	25.6	24.5	24.5	23.4
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: P1427786

CATALOG NUMBER: SQ2W-F-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: P1427786

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1365.8	1365.8	1365.8	1365.8
2.5°	1369.1	1371.8	1365.3	1358.8
5°	1366.4	1369.4	1360.8	1352.3
7.5°	1355.7	1358.4	1349.9	1341.3
10°	1346.2	1349.2	1340.6	1332.1
12.5°	1335.2	1337.6	1329.1	1320.5
15°	1314.1	1316.5	1307.9	1299.4
17.5°	1287.7	1289.9	1281.8	1273.8
20°	1269.3	1271.5	1263.8	1256.1
22.5°	1248.0	1250.0	1242.3	1234.6
25°	1212.2	1213.8	1206.1	1198.4
27.5°	1172.2	1173.5	1167.1	1160.7
30°	1144.2	1145.8	1139.4	1133.0
32.5°	1113.7	1115.9	1109.8	1103.8
35°	1066.0	1068.2	1063.1	1058.0
37.5°	1017.6	1019.9	1015.9	1012.0
40°	984.2	986.7	982.4	978.1
42.5°	947.8	950.0	946.8	943.5
45°	893.5	895.6	892.7	889.7
47.5°	836.3	837.9	835.6	833.3
50°	797.0	798.5	795.5	792.5
52.5°	757.8	759.2	755.8	752.5
55°	697.3	698.3	694.4	690.6
57.5°	634.1	634.8	631.0	627.3
60°	591.5	592.6	589.2	585.7
62.5°	548.9	550.3	546.8	543.4
65°	483.8	485.0	482.0	479.0
67.5°	417.9	419.1	416.5	414.0
70°	373.5	374.5	371.9	369.3
72.5°	329.4	330.7	328.5	326.2
75°	262.6	263.2	261.9	260.6
77.5°	196.1	197.4	197.4	197.4
80°	154.8	155.8	155.8	155.8
82.5°	114.8	116.0	116.7	117.3
85°	59.6	60.8	61.7	62.5
87.5°	22.8	21.5	20.8	20.2
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: P1427786

CATALOG NUMBER: SQ2W-F-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: P1427786
 CATALOG NUMBER: SQ2W-F-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	18.12	18.95	19.12	19.96	21.30	18.04	18.87	19.04	19.88	21.22
	3H	19.91	20.65	20.92	21.67	23.03	19.81	20.55	20.82	21.57	22.93
	4H	20.61	21.31	21.63	22.33	23.70	20.49	21.20	21.51	22.22	23.59
	6H	21.04	21.69	22.07	22.72	24.10	20.90	21.55	21.93	22.58	23.96
	8H	21.20	21.82	22.24	22.86	24.24	21.04	21.66	22.08	22.71	24.08
	12H	21.28	21.87	22.33	22.91	24.31	21.11	21.69	22.15	22.73	24.13
4H	2H	18.70	19.40	19.73	20.43	21.79	18.63	19.34	19.66	20.36	21.73
	3H	20.72	21.31	21.75	22.36	23.74	20.63	21.21	21.66	22.26	23.65
	4H	21.53	22.07	22.57	23.11	24.52	21.42	21.96	22.46	23.00	24.41
	6H	22.08	22.55	23.13	23.61	25.01	21.94	22.40	22.99	23.47	24.87
	8H	22.30	22.73	23.35	23.79	25.20	22.14	22.57	23.19	23.63	25.04
	12H	22.41	22.80	23.48	23.87	25.29	22.22	22.61	23.29	23.69	25.11
8H	4H	21.77	22.21	22.83	23.26	24.68	21.68	22.11	22.73	23.17	24.58
	6H	22.46	22.82	23.54	23.92	25.33	22.33	22.69	23.41	23.79	25.20
	8H	22.77	23.08	23.85	24.16	25.60	22.61	22.92	23.69	24.01	25.44
	12H	22.95	23.22	24.03	24.30	25.78	22.76	23.03	23.84	24.11	25.58
12H	4H	21.77	22.16	22.84	23.23	24.65	21.67	22.06	22.74	23.14	24.56
	6H	22.51	22.83	23.59	23.91	25.34	22.39	22.70	23.47	23.78	25.22
	8H	22.84	23.12	23.93	24.20	25.67	22.69	22.97	23.78	24.05	25.52