

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: P1435824

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

Issue Date: 3/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1435824
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-L835-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: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

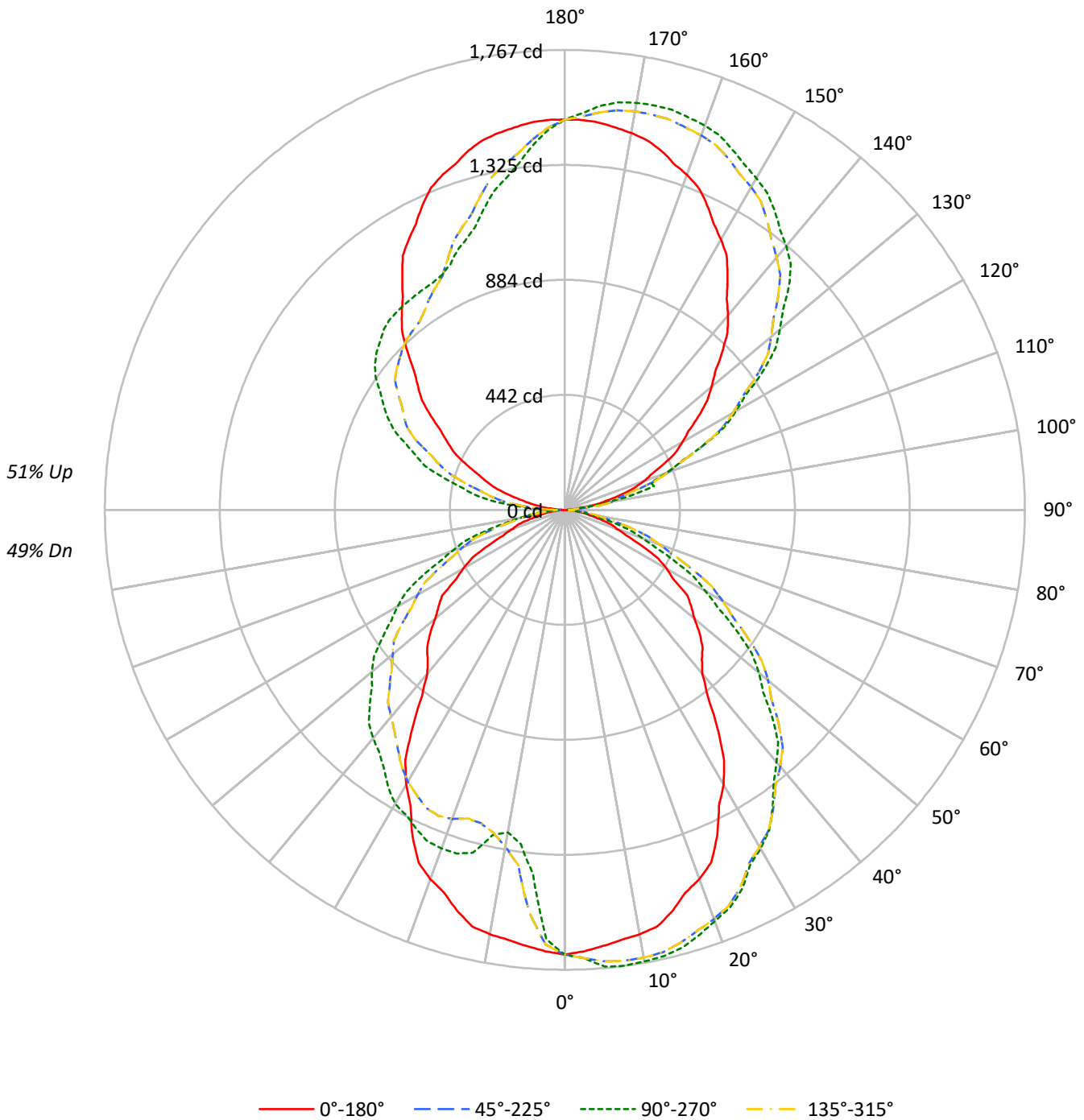
Lumens per Lamp: N/A
Luminaire Lumens: 8624.7 lumens
Efficiency: N/A
Efficacy: 122.0 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.23 / 1.34
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 70.7
Input Voltage (V): 120
Input Current (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

TEST NUMBER: P1435824

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

Luminous Intensity Polar Plot





TEST NUMBER: P1435824

CATALOG NUMBER: SQ2W-FA-K-100U-100D-L835-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	0
RCR																		
0	107	107	107	107	99	99	99	99	83	83	83	69	69	69	55	55	55	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°	27586	27586	27586	27586
5°	27262	28549	27262	22753
10°	27143	28879	27143	20628
15°	26677	29113	26677	22803
20°	25943	28901	25943	23781
25°	24657	28667	24657	24068
30°	22717	28026	22717	24322
35°	20100	27411	20100	23887
40°	17308	26660	17308	24147
45°	17086	25706	17086	24194
50°	16302	24452	16302	24287
55°	16217	22556	16217	24048
60°	14541	20101	14541	23950
65°	12397	17711	12397	23277
70°	10003	15007	10003	21569
75°	8677	12395	8677	19831
80°	7392	9233	7392	16011
85°	4909	4909	4909	9818

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 26512 cd/sqm



TEST NUMBER: P1435824

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.7	1.8
10°-20°	429.6	5.0
20°-30°	652.3	7.6
30°-40°	765.9	8.9
40°-50°	777.2	9.0
50°-60°	680.8	7.9
60°-70°	482.9	5.6
70°-80°	248.6	2.9
80°-90°	58.3	0.7
90°-100°	119.3	1.4
100°-110°	347.8	4.0
110°-120°	567.6	6.6
120°-130°	720.2	8.4
130°-140°	770.6	8.9
140°-150°	719.6	8.3
150°-160°	592.1	6.9
160°-170°	397.1	4.6
170°-180°	141.0	1.6
0°-30°	1235.6	14.3
0°-40°	2001.5	23.2
0°-60°	3459.5	40.1
0°-90°	4249.3	49.3
90°-120°	1034.6	12.0
90°-150°	3245.1	37.6
90°-180°	4375.0	50.7
0°-180°	8624.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1709	1709	1709	1709	1709	
5°	1682	1762	1682	1404	1682	160
15°	1596	1742	1596	1364	1596	448
25°	1384	1609	1384	1351	1384	632
35°	1020	1391	1020	1212	1020	635
45°	748	1126	748	1060	748	572
55°	576	801	576	854	576	498
65°	324	464	324	609	324	324
75°	139	199	139	318	139	150
85°	26	26	26	53	26	33
90°	4	33	4	65	4	4
95°	47	35	47	204	47	57
105°	221	354	221	487	221	235
115°	424	587	424	724	424	418
125°	627	931	627	887	627	561
135°	852	1218	852	982	852	659
145°	1088	1405	1088	1004	1088	681
155°	1293	1526	1293	1041	1293	594
165°	1429	1591	1429	1199	1429	402
175°	1494	1558	1494	1406	1494	142
180°	1498	1498	1498	1498	1498	



TEST NUMBER: P1435824

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

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1708.6	1708.6	1708.6	1708.6	1708.6	1708.6	1708.6	1708.6	1708.6	1708.6	1708.6
2.5°	1698.0	1709.7	1721.5	1724.5	1724.5	1724.5	1724.5	1724.5	1724.5	1724.5	1724.5
5°	1682.1	1702.7	1723.3	1732.8	1738.7	1743.1	1746.1	1749.8	1755.7	1761.5	1755.7
7.5°	1666.2	1693.8	1721.5	1735.1	1743.9	1750.9	1756.2	1761.0	1763.9	1766.8	1763.9
10°	1655.6	1688.0	1720.3	1735.1	1743.9	1749.8	1752.7	1755.7	1758.6	1761.5	1758.6
12.5°	1639.7	1674.4	1709.2	1726.2	1737.4	1744.5	1747.4	1750.4	1753.3	1756.2	1753.3
15°	1596.0	1643.1	1690.2	1708.6	1717.4	1724.8	1730.6	1735.8	1738.7	1741.7	1738.7
17.5°	1541.7	1598.8	1655.9	1679.0	1690.8	1699.3	1704.6	1709.2	1711.5	1713.9	1711.5
20°	1509.9	1571.7	1633.5	1657.8	1669.6	1676.9	1679.9	1682.1	1682.1	1682.1	1682.1
22.5°	1467.5	1536.4	1605.3	1631.3	1643.1	1649.3	1649.8	1650.9	1653.2	1655.6	1653.2
25°	1384.1	1463.5	1543.0	1576.1	1593.8	1601.1	1598.2	1597.5	1603.3	1609.2	1603.3
27.5°	1282.1	1382.2	1482.2	1516.1	1527.8	1535.2	1538.1	1540.4	1540.4	1540.4	1540.4
30°	1218.5	1330.4	1442.2	1479.0	1490.8	1498.1	1501.1	1503.3	1503.3	1503.3	1503.3
32.5°	1139.0	1272.1	1405.1	1445.4	1454.9	1459.9	1460.4	1460.9	1460.9	1460.9	1460.9
35°	1019.8	1181.7	1343.6	1388.5	1394.4	1397.3	1397.3	1396.6	1393.6	1390.7	1393.6
37.5°	900.6	1084.3	1268.0	1320.5	1329.3	1331.7	1327.6	1323.7	1320.8	1317.8	1320.8
40°	821.2	1021.3	1221.5	1278.1	1286.9	1286.9	1278.1	1270.8	1267.8	1264.9	1267.8
42.5°	778.8	976.6	1174.4	1230.4	1239.3	1238.1	1226.9	1217.8	1214.8	1211.9	1214.8
45°	748.3	924.9	1101.5	1152.3	1161.1	1159.6	1147.9	1137.6	1131.7	1125.8	1131.7
47.5°	702.0	857.4	1012.8	1062.7	1077.4	1075.9	1058.2	1043.5	1037.6	1031.8	1037.6
50°	649.0	802.0	955.1	1004.4	1019.1	1017.6	1000.0	985.3	979.4	973.5	979.4
52.5°	611.9	755.5	899.2	944.3	956.7	952.9	932.9	916.4	910.5	904.6	910.5
55°	576.1	696.8	817.5	854.3	863.1	857.2	836.6	819.0	810.1	801.3	810.1
57.5°	492.7	607.5	722.3	758.0	767.5	760.4	736.8	716.7	706.7	696.7	706.7
60°	450.3	553.3	656.3	690.9	702.7	696.8	673.3	651.9	637.2	622.5	637.2
62.5°	402.6	493.9	585.1	620.3	636.8	633.2	609.7	588.4	573.6	558.9	573.6
65°	324.5	404.0	483.4	518.7	539.4	537.9	514.3	493.0	478.3	463.6	478.3
67.5°	254.3	322.6	390.9	425.6	449.1	448.0	422.1	399.7	387.9	376.1	387.9
70°	211.9	270.8	329.6	362.0	385.6	385.6	362.0	341.4	329.6	317.9	329.6
72.5°	185.4	230.2	274.9	305.5	331.4	331.4	305.5	283.7	274.3	264.9	274.3
75°	139.1	165.6	192.0	220.7	250.2	253.1	229.6	210.4	204.6	198.7	204.6
77.5°	100.7	113.0	125.4	147.9	173.8	176.7	156.7	141.1	138.8	136.4	138.8
80°	79.5	82.4	85.4	103.7	127.3	130.2	112.6	99.3	99.3	99.3	99.3
82.5°	53.0	55.9	58.9	72.0	88.4	90.2	77.3	67.0	64.6	62.2	64.6
85°	26.5	26.5	26.5	30.9	36.8	36.8	30.9	26.5	26.5	26.5	26.5
87.5°	6.2	7.4	8.9	11.9	15.2	15.5	13.1	11.7	12.0	12.0	12.0
90°	4.5	10.6	18.2	24.2	28.8	30.3	30.3	31.8	33.3	33.3	33.3
92.5°	16.7	26.3	26.6	26.6	32.4	35.1	37.5	37.8	39.4	39.4	39.4
95°	46.9	51.5	77.2	75.7	51.5	40.9	34.8	34.8	34.8	34.8	34.8
97.5°	89.6	96.3	100.5	134.7	142.3	137.4	112.0	94.1	84.2	79.6	84.2
100°	127.1	130.2	139.3	140.8	178.6	214.9	196.8	174.1	166.5	162.0	166.5
102.5°	164.7	166.5	180.4	186.8	195.6	216.1	279.1	272.2	267.0	266.1	267.0
105°	221.0	222.5	248.2	260.3	266.4	266.4	264.9	295.2	343.6	354.2	343.6
107.5°	281.2	288.2	318.5	350.9	357.8	359.6	351.8	347.2	345.4	346.6	345.4
110°	322.4	333.0	369.3	410.2	420.8	423.8	420.8	416.3	413.2	413.2	413.2



TEST NUMBER: P1435824

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

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	362.4	377.8	419.0	465.9	483.8	492.8	486.2	482.9	479.8	482.2	479.8
115°	423.8	446.5	501.0	549.5	585.8	590.3	588.8	588.8	587.3	587.3	587.3
117.5°	480.7	517.1	578.2	634.5	676.6	688.7	694.8	692.9	691.1	694.2	691.1
120°	520.7	563.1	632.7	696.3	737.1	755.3	761.4	758.3	761.4	758.3	761.4
122.5°	563.1	615.1	683.6	749.6	797.7	818.3	825.5	826.2	826.8	824.9	826.8
125°	626.7	690.2	770.4	838.6	888.5	912.7	918.8	920.3	923.3	930.9	923.3
127.5°	690.8	762.9	851.0	916.7	967.8	997.2	1006.6	1009.9	1016.3	1019.6	1016.3
130°	735.6	817.4	906.7	968.7	1018.7	1050.5	1067.1	1071.7	1079.2	1077.7	1079.2
132.5°	782.9	868.2	958.7	1023.2	1069.5	1103.8	1118.0	1131.0	1133.7	1135.8	1133.7
135°	852.2	944.5	1035.3	1098.9	1142.8	1176.1	1194.3	1206.4	1213.9	1218.5	1213.9
137.5°	925.1	1022.6	1109.8	1166.4	1210.6	1239.4	1260.0	1272.7	1280.5	1284.2	1280.5
140°	974.8	1068.6	1153.4	1212.4	1251.8	1280.5	1298.7	1313.8	1322.9	1322.9	1322.9
142.5°	1022.0	1114.7	1197.0	1256.0	1290.5	1316.9	1336.3	1347.8	1358.0	1358.0	1358.0
145°	1088.3	1180.6	1256.3	1315.4	1344.1	1368.3	1389.5	1398.6	1404.7	1404.7	1404.7
147.5°	1157.6	1239.4	1308.4	1365.0	1389.2	1417.7	1434.3	1441.6	1449.2	1445.8	1449.2
150°	1198.8	1274.5	1341.1	1394.1	1418.3	1445.5	1462.2	1468.2	1475.8	1471.3	1475.8
152.5°	1238.8	1310.8	1371.4	1420.7	1441.3	1468.5	1487.6	1493.7	1498.8	1495.5	1498.8
155°	1292.7	1356.2	1412.2	1457.6	1475.8	1501.5	1519.7	1527.3	1533.3	1525.8	1533.3
157.5°	1340.8	1395.6	1444.3	1486.1	1505.5	1527.6	1544.5	1553.9	1560.0	1556.6	1560.0
160°	1369.9	1419.8	1463.7	1503.1	1521.2	1540.9	1559.1	1569.7	1575.7	1571.2	1575.7
162.5°	1394.1	1439.2	1480.7	1516.4	1532.1	1549.4	1571.2	1580.6	1586.6	1580.9	1586.6
165°	1428.9	1465.2	1501.5	1531.8	1545.4	1559.1	1581.8	1592.4	1596.9	1590.8	1596.9
167.5°	1455.2	1483.1	1512.4	1538.5	1548.5	1561.8	1584.5	1593.3	1599.0	1591.5	1599.0
170°	1469.8	1494.0	1519.7	1540.9	1548.5	1560.6	1583.3	1590.8	1595.4	1587.8	1595.4
172.5°	1481.9	1500.0	1520.9	1539.7	1543.6	1553.3	1574.8	1582.4	1585.7	1579.3	1585.7
175°	1494.0	1504.6	1519.7	1531.8	1530.3	1536.4	1554.5	1560.6	1566.6	1557.5	1566.6
177.5°	1499.7	1504.6	1509.4	1516.7	1511.8	1511.8	1525.2	1528.8	1530.0	1525.2	1530.0
180°	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5



TEST NUMBER: P1435824

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

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1708.6	1708.6	1708.6	1708.6	1708.6	1708.6	1708.6	1708.6	1708.6	1708.6	1708.6
2.5°	1724.5	1724.5	1724.5	1724.5	1724.5	1721.5	1709.7	1698.0	1698.0	1698.0	1689.1
5°	1749.8	1746.1	1743.1	1738.7	1732.8	1723.3	1702.7	1682.1	1673.2	1664.4	1626.9
7.5°	1761.0	1756.2	1750.9	1743.9	1735.1	1721.5	1693.8	1666.2	1626.7	1587.3	1503.7
10°	1755.7	1752.7	1749.8	1743.9	1735.1	1720.3	1688.0	1655.6	1576.1	1496.6	1417.2
12.5°	1750.4	1747.4	1744.5	1737.4	1726.2	1709.2	1674.4	1639.7	1527.3	1414.8	1343.0
15°	1735.8	1730.6	1724.8	1717.4	1708.6	1690.2	1643.1	1596.0	1469.4	1342.9	1282.5
17.5°	1709.2	1704.6	1699.3	1690.8	1679.0	1655.9	1598.8	1541.7	1409.2	1276.8	1237.9
20°	1682.1	1679.9	1676.9	1669.6	1657.8	1633.5	1571.7	1509.9	1377.4	1245.0	1227.3
22.5°	1650.9	1649.8	1649.3	1643.1	1631.3	1605.3	1536.4	1467.5	1337.4	1207.3	1207.9
25°	1597.5	1598.2	1601.1	1593.8	1576.1	1543.0	1463.5	1384.1	1269.3	1154.5	1174.4
27.5°	1540.4	1538.1	1535.2	1527.8	1516.1	1482.2	1382.2	1282.1	1191.4	1100.8	1133.7
30°	1503.3	1501.1	1498.1	1490.8	1479.0	1442.2	1330.4	1218.5	1142.0	1065.5	1103.7
32.5°	1460.9	1460.4	1459.9	1454.9	1445.4	1405.1	1272.1	1139.0	1083.7	1028.4	1068.4
35°	1396.6	1397.3	1397.3	1394.4	1388.5	1343.6	1181.7	1019.8	996.3	972.7	1019.8
37.5°	1323.7	1327.6	1331.7	1329.3	1320.5	1268.0	1084.3	900.6	908.3	915.9	973.0
40°	1270.8	1278.1	1286.9	1286.9	1278.1	1221.5	1021.3	821.2	847.7	874.1	936.0
42.5°	1217.8	1226.9	1238.1	1239.3	1230.4	1174.4	976.6	778.8	807.6	836.5	900.6
45°	1137.6	1147.9	1159.6	1161.1	1152.3	1101.5	924.9	748.3	766.0	783.6	845.5
47.5°	1043.5	1058.2	1075.9	1077.4	1062.7	1012.8	857.4	702.0	714.9	727.9	791.1
50°	985.3	1000.0	1017.6	1019.1	1004.4	955.1	802.0	649.0	666.6	684.3	750.5
52.5°	916.4	932.9	952.9	956.7	944.3	899.2	755.5	611.9	622.5	633.1	704.6
55°	819.0	836.6	857.2	863.1	854.3	817.5	696.8	576.1	567.3	558.5	631.3
57.5°	716.7	736.8	760.4	767.5	758.0	722.3	607.5	492.7	485.0	477.4	556.3
60°	651.9	673.3	696.8	702.7	690.9	656.3	553.3	450.3	435.6	420.9	503.3
62.5°	588.4	609.7	633.2	636.8	620.3	585.1	493.9	402.6	392.6	382.6	462.7
65°	493.0	514.3	537.9	539.4	518.7	483.4	404.0	324.5	330.4	336.3	408.4
67.5°	399.7	422.1	448.0	449.1	425.6	390.9	322.6	254.3	273.7	293.1	358.0
70°	341.4	362.0	385.6	385.6	362.0	329.6	270.8	211.9	238.4	264.9	324.5
72.5°	283.7	305.5	331.4	331.4	305.5	274.9	230.2	185.4	211.9	238.4	287.4
75°	210.4	229.6	253.1	250.2	220.7	192.0	165.6	139.1	165.6	192.0	229.6
77.5°	141.1	156.7	176.7	173.8	147.9	125.4	113.0	100.7	122.4	144.2	170.4
80°	99.3	112.6	130.2	127.3	103.7	85.4	82.4	79.5	94.2	108.9	128.0
82.5°	67.0	77.3	90.2	88.4	72.0	58.9	55.9	53.0	65.3	77.7	90.9
85°	26.5	30.9	36.8	36.8	30.9	26.5	26.5	26.5	32.4	38.3	44.1
87.5°	11.7	13.1	15.5	15.2	11.9	8.9	7.4	6.2	9.8	13.3	16.0
90°	31.8	30.3	30.3	28.8	24.2	18.2	10.6	4.5	10.6	16.7	27.2
92.5°	37.8	37.5	35.1	32.4	26.6	26.6	26.3	16.7	28.8	40.9	58.7
95°	34.8	34.8	40.9	51.5	75.7	77.2	51.5	46.9	66.6	93.8	118.1
97.5°	94.1	112.0	137.4	142.3	134.7	100.5	96.3	89.6	122.0	148.9	188.0
100°	174.1	196.8	214.9	178.6	140.8	139.3	130.2	127.1	162.0	187.7	225.5
102.5°	272.2	279.1	216.1	195.6	186.8	180.4	166.5	164.7	199.5	234.9	266.7
105°	295.2	264.9	266.4	266.4	260.3	248.2	222.5	221.0	260.3	301.2	340.6
107.5°	347.2	351.8	359.6	357.8	350.9	318.5	288.2	281.2	316.7	365.7	409.0
110°	416.3	420.8	423.8	420.8	410.2	369.3	333.0	322.4	354.2	405.7	452.6



TEST NUMBER: P1435824

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

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	482.9	486.2	492.8	483.8	465.9	419.0	377.8	362.4	394.2	446.8	495.0
115°	588.8	588.8	590.3	585.8	549.5	501.0	446.5	423.8	451.1	499.5	552.5
117.5°	692.9	694.8	688.7	676.6	634.5	578.2	517.1	480.7	502.2	553.4	607.9
120°	758.3	761.4	755.3	737.1	696.3	632.7	563.1	520.7	537.3	587.3	641.8
122.5°	826.2	825.5	818.3	797.7	749.6	683.6	615.1	563.1	570.0	616.4	669.6
125°	920.3	918.8	912.7	888.5	838.6	770.4	690.2	626.7	617.6	656.9	711.4
127.5°	1009.9	1006.6	997.2	967.8	916.7	851.0	762.9	690.8	670.5	695.4	745.3
130°	1071.7	1067.1	1050.5	1018.7	968.7	906.7	817.4	735.6	706.9	722.0	765.9
132.5°	1131.0	1118.0	1103.8	1069.5	1023.2	958.7	868.2	782.9	743.2	749.9	784.1
135°	1206.4	1194.3	1176.1	1142.8	1098.9	1035.3	944.5	852.2	797.7	791.6	811.3
137.5°	1272.7	1260.0	1239.4	1210.6	1166.4	1109.8	1022.6	925.1	856.4	836.1	843.7
140°	1313.8	1298.7	1280.5	1251.8	1212.4	1153.4	1068.6	974.8	897.6	868.8	864.3
142.5°	1347.8	1336.3	1316.9	1290.5	1256.0	1197.0	1114.7	1022.0	940.0	902.7	892.1
145°	1398.6	1389.5	1368.3	1344.1	1315.4	1256.3	1180.6	1088.3	1006.6	958.1	935.4
147.5°	1441.6	1434.3	1417.7	1389.2	1365.0	1308.4	1239.4	1157.6	1073.8	1013.8	984.5
150°	1468.2	1462.2	1445.5	1418.3	1394.1	1341.1	1274.5	1198.8	1118.6	1055.0	1017.2
152.5°	1493.7	1487.6	1468.5	1441.3	1420.7	1371.4	1310.8	1238.8	1157.3	1093.8	1054.7
155°	1527.3	1519.7	1501.5	1475.8	1457.6	1412.2	1356.2	1292.7	1223.0	1156.4	1112.5
157.5°	1553.9	1544.5	1527.6	1505.5	1486.1	1444.3	1395.6	1340.8	1279.9	1216.4	1171.6
160°	1569.7	1559.1	1540.9	1521.2	1503.1	1463.7	1419.8	1369.9	1313.8	1256.3	1207.9
162.5°	1580.6	1571.2	1549.4	1532.1	1516.4	1480.7	1439.2	1394.1	1344.1	1293.9	1249.1
165°	1592.4	1581.8	1559.1	1545.4	1531.8	1501.5	1465.2	1428.9	1386.5	1345.6	1309.3
167.5°	1593.3	1584.5	1561.8	1548.5	1538.5	1512.4	1483.1	1455.2	1422.2	1390.1	1359.9
170°	1590.8	1583.3	1560.6	1548.5	1540.9	1519.7	1494.0	1469.8	1444.0	1416.8	1392.6
172.5°	1582.4	1574.8	1553.3	1543.6	1539.7	1520.9	1500.0	1481.9	1459.8	1439.8	1420.4
175°	1560.6	1554.5	1536.4	1530.3	1531.8	1519.7	1504.6	1494.0	1480.4	1468.2	1457.6
177.5°	1528.8	1525.2	1511.8	1511.8	1516.7	1509.4	1504.6	1499.7	1493.7	1490.0	1486.4
180°	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5



TEST NUMBER: P1435824

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1708.6	1708.6	1708.6	1708.6	1708.6	1708.6	1708.6	1708.6	1708.6	1708.6	1708.6
2.5°	1677.4	1667.9	1660.9	1655.0	1652.6	1650.3	1652.6	1655.0	1660.9	1667.9	1677.4
5°	1579.8	1529.8	1476.8	1433.4	1418.7	1403.9	1418.7	1433.4	1476.8	1529.8	1579.8
7.5°	1405.4	1345.1	1322.7	1304.7	1300.0	1295.3	1300.0	1304.7	1322.7	1345.1	1405.4
10°	1337.7	1289.1	1271.5	1258.2	1258.2	1258.2	1258.2	1258.2	1271.5	1289.1	1337.7
12.5°	1284.7	1255.0	1253.8	1255.9	1267.7	1279.4	1267.7	1255.9	1253.8	1255.0	1284.7
15°	1244.3	1248.7	1295.8	1334.8	1349.5	1364.2	1349.5	1334.8	1295.8	1248.7	1244.3
17.5°	1230.3	1255.6	1313.9	1360.5	1372.3	1384.1	1372.3	1360.5	1313.9	1255.6	1230.3
20°	1247.9	1280.3	1324.5	1360.5	1372.3	1384.1	1372.3	1360.5	1324.5	1280.3	1247.9
22.5°	1252.1	1291.5	1326.2	1355.2	1367.0	1378.8	1367.0	1355.2	1326.2	1291.5	1252.1
25°	1239.1	1286.2	1315.6	1339.2	1345.1	1351.0	1345.1	1339.2	1315.6	1286.2	1239.1
27.5°	1207.9	1259.7	1289.1	1312.3	1316.4	1320.5	1316.4	1312.3	1289.1	1259.7	1207.9
30°	1180.2	1233.2	1262.7	1286.9	1295.8	1304.6	1295.8	1286.9	1262.7	1233.2	1180.2
32.5°	1140.2	1194.4	1230.9	1258.7	1260.5	1262.2	1260.5	1258.7	1230.9	1194.4	1140.2
35°	1090.5	1146.4	1187.6	1217.8	1214.8	1211.9	1214.8	1217.8	1187.6	1146.4	1090.5
37.5°	1046.6	1101.4	1137.3	1165.1	1168.6	1172.2	1168.6	1165.1	1137.3	1101.4	1046.6
40°	1009.5	1065.5	1103.7	1133.9	1139.8	1145.7	1139.8	1133.9	1103.7	1065.5	1009.5
42.5°	976.6	1033.7	1071.9	1102.1	1108.0	1113.9	1108.0	1102.1	1071.9	1033.7	976.6
45°	922.0	980.8	1022.0	1053.7	1056.6	1059.6	1056.6	1053.7	1022.0	980.8	922.0
47.5°	871.2	930.4	968.6	998.1	1001.0	1003.9	1001.0	998.1	968.6	930.4	871.2
50°	832.9	893.3	931.5	961.0	963.9	966.9	963.9	961.0	931.5	893.3	832.9
52.5°	796.4	859.1	892.7	918.6	921.5	924.5	921.5	918.6	892.7	859.1	796.4
55°	731.4	797.6	830.0	854.3	854.3	854.3	854.3	854.3	830.0	797.6	731.4
57.5°	664.0	732.0	760.2	782.3	785.9	789.4	785.9	782.3	760.2	732.0	664.0
60°	618.1	687.3	710.8	729.9	735.8	741.7	735.8	729.9	710.8	687.3	618.1
62.5°	572.8	639.6	663.1	681.7	685.2	688.7	685.2	681.7	663.1	639.6	572.8
65°	502.6	561.4	585.0	603.4	606.3	609.3	606.3	603.4	585.0	561.4	502.6
67.5°	438.1	486.4	502.9	515.8	518.2	520.5	518.2	515.8	502.9	486.4	438.1
70°	395.1	436.3	448.1	456.9	456.9	456.9	456.9	456.9	448.1	436.3	395.1
72.5°	343.9	378.1	389.8	399.3	401.6	404.0	401.6	399.3	389.8	378.1	343.9
75°	270.8	295.8	304.6	312.0	314.9	317.9	314.9	312.0	304.6	295.8	270.8
77.5°	198.1	214.6	219.9	224.6	227.5	230.5	227.5	224.6	219.9	214.6	198.1
80°	148.6	160.4	163.4	166.3	169.2	172.2	169.2	166.3	163.4	160.4	148.6
82.5°	104.5	112.7	115.7	118.0	118.6	119.2	118.6	118.0	115.7	112.7	104.5
85°	50.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	50.0
87.5°	17.6	19.7	21.8	23.0	24.2	23.6	24.2	23.0	21.8	19.7	17.6
90°	34.8	45.4	56.0	62.1	68.1	65.1	68.1	62.1	56.0	45.4	34.8
92.5°	69.9	87.8	100.8	111.7	116.6	115.9	116.6	111.7	100.8	87.8	69.9
95°	140.8	162.0	183.2	198.3	207.4	204.3	207.4	198.3	183.2	162.0	140.8
97.5°	217.1	245.5	269.1	283.4	292.4	298.5	292.4	283.4	269.1	245.5	217.1
100°	267.9	295.2	322.4	339.1	354.2	360.2	354.2	339.1	322.4	295.2	267.9
102.5°	309.1	344.8	374.5	392.3	405.1	411.1	405.1	392.3	374.5	344.8	309.1
105°	376.9	414.7	446.5	469.2	482.9	487.4	482.9	469.2	446.5	414.7	376.9
107.5°	444.7	483.8	513.1	538.3	554.9	564.6	554.9	538.3	513.1	483.8	444.7
110°	498.0	529.8	561.6	584.3	600.9	607.0	600.9	584.3	561.6	529.8	498.0



TEST NUMBER: P1435824

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	542.8	578.2	610.0	632.7	651.8	660.3	651.8	632.7	610.0	578.2	542.8
115°	605.5	652.4	681.1	702.3	716.0	723.5	716.0	702.3	681.1	652.4	605.5
117.5°	657.5	706.6	738.1	754.4	760.8	766.2	760.8	754.4	738.1	706.6	657.5
120°	690.2	735.6	772.0	793.2	800.7	803.7	800.7	793.2	772.0	735.6	690.2
122.5°	720.5	763.5	798.6	824.6	837.0	840.1	837.0	824.6	798.6	763.5	720.5
125°	762.9	803.7	840.1	865.8	879.4	887.0	879.4	865.8	840.1	803.7	762.9
127.5°	799.8	844.0	877.3	900.6	913.9	920.0	913.9	900.6	877.3	844.0	799.8
130°	820.4	865.8	899.1	924.8	937.0	943.0	937.0	924.8	899.1	865.8	820.4
132.5°	836.1	884.0	918.5	941.8	955.1	961.2	955.1	941.8	918.5	884.0	836.1
135°	855.2	905.2	941.5	964.2	976.3	982.4	976.3	964.2	941.5	905.2	855.2
137.5°	871.9	917.3	955.1	979.0	989.9	993.9	989.9	979.0	955.1	917.3	871.9
140°	884.0	923.3	961.2	983.9	996.0	997.5	996.0	983.9	961.2	923.3	884.0
142.5°	899.7	930.6	963.6	986.3	998.4	1001.1	998.4	986.3	963.6	930.6	899.7
145°	927.9	946.0	968.7	989.9	1000.5	1003.6	1000.5	989.9	968.7	946.0	927.9
147.5°	963.3	969.0	980.8	994.8	1005.1	1007.2	1005.1	994.8	980.8	969.0	963.3
150°	989.9	988.4	993.0	1002.0	1011.1	1009.6	1011.1	1002.0	993.0	988.4	989.9
152.5°	1020.2	1011.4	1011.1	1015.4	1019.6	1019.3	1019.6	1015.4	1011.1	1011.4	1020.2
155°	1071.7	1055.0	1045.9	1042.9	1042.9	1041.4	1042.9	1042.9	1045.9	1055.0	1071.7
157.5°	1128.3	1105.0	1091.3	1084.1	1082.0	1078.6	1082.0	1084.1	1091.3	1105.0	1128.3
160°	1167.0	1141.3	1127.7	1115.6	1111.0	1106.5	1111.0	1115.6	1127.7	1141.3	1167.0
162.5°	1203.4	1178.8	1164.0	1153.1	1148.6	1141.6	1148.6	1153.1	1164.0	1178.8	1203.4
165°	1262.4	1236.7	1220.0	1210.9	1204.9	1198.8	1204.9	1210.9	1220.0	1236.7	1262.4
167.5°	1321.4	1293.3	1282.4	1272.1	1266.3	1255.4	1266.3	1272.1	1282.4	1293.3	1321.4
170°	1357.7	1332.0	1326.0	1316.9	1306.3	1294.2	1306.3	1316.9	1326.0	1332.0	1357.7
172.5°	1389.2	1372.0	1365.9	1356.8	1353.5	1343.8	1353.5	1356.8	1365.9	1372.0	1389.2
175°	1434.9	1421.3	1421.3	1419.8	1415.3	1406.2	1415.3	1419.8	1421.3	1421.3	1434.9
177.5°	1473.1	1465.8	1470.7	1470.7	1469.5	1461.0	1469.5	1470.7	1470.7	1465.8	1473.1
180°	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5



TEST NUMBER: P1435824

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1708.6	1708.6	1708.6	1708.6
2.5°	1689.1	1698.0	1698.0	1698.0
5°	1626.9	1664.4	1673.2	1682.1
7.5°	1503.7	1587.3	1626.7	1666.2
10°	1417.2	1496.6	1576.1	1655.6
12.5°	1343.0	1414.8	1527.3	1639.7
15°	1282.5	1342.9	1469.4	1596.0
17.5°	1237.9	1276.8	1409.2	1541.7
20°	1227.3	1245.0	1377.4	1509.9
22.5°	1207.9	1207.3	1337.4	1467.5
25°	1174.4	1154.5	1269.3	1384.1
27.5°	1133.7	1100.8	1191.4	1282.1
30°	1103.7	1065.5	1142.0	1218.5
32.5°	1068.4	1028.4	1083.7	1139.0
35°	1019.8	972.7	996.3	1019.8
37.5°	973.0	915.9	908.3	900.6
40°	936.0	874.1	847.7	821.2
42.5°	900.6	836.5	807.6	778.8
45°	845.5	783.6	766.0	748.3
47.5°	791.1	727.9	714.9	702.0
50°	750.5	684.3	666.6	649.0
52.5°	704.6	633.1	622.5	611.9
55°	631.3	558.5	567.3	576.1
57.5°	556.3	477.4	485.0	492.7
60°	503.3	420.9	435.6	450.3
62.5°	462.7	382.6	392.6	402.6
65°	408.4	336.3	330.4	324.5
67.5°	358.0	293.1	273.7	254.3
70°	324.5	264.9	238.4	211.9
72.5°	287.4	238.4	211.9	185.4
75°	229.6	192.0	165.6	139.1
77.5°	170.4	144.2	122.4	100.7
80°	128.0	108.9	94.2	79.5
82.5°	90.9	77.7	65.3	53.0
85°	44.1	38.3	32.4	26.5
87.5°	16.0	13.3	9.8	6.2
90°	27.2	16.7	10.6	4.5
92.5°	58.7	40.9	28.8	16.7
95°	118.1	93.8	66.6	46.9
97.5°	188.0	148.9	122.0	89.6
100°	225.5	187.7	162.0	127.1
102.5°	266.7	234.9	199.5	164.7
105°	340.6	301.2	260.3	221.0
107.5°	409.0	365.7	316.7	281.2
110°	452.6	405.7	354.2	322.4



TEST NUMBER: P1435824

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	495.0	446.8	394.2	362.4
115°	552.5	499.5	451.1	423.8
117.5°	607.9	553.4	502.2	480.7
120°	641.8	587.3	537.3	520.7
122.5°	669.6	616.4	570.0	563.1
125°	711.4	656.9	617.6	626.7
127.5°	745.3	695.4	670.5	690.8
130°	765.9	722.0	706.9	735.6
132.5°	784.1	749.9	743.2	782.9
135°	811.3	791.6	797.7	852.2
137.5°	843.7	836.1	856.4	925.1
140°	864.3	868.8	897.6	974.8
142.5°	892.1	902.7	940.0	1022.0
145°	935.4	958.1	1006.6	1088.3
147.5°	984.5	1013.8	1073.8	1157.6
150°	1017.2	1055.0	1118.6	1198.8
152.5°	1054.7	1093.8	1157.3	1238.8
155°	1112.5	1156.4	1223.0	1292.7
157.5°	1171.6	1216.4	1279.9	1340.8
160°	1207.9	1256.3	1313.8	1369.9
162.5°	1249.1	1293.9	1344.1	1394.1
165°	1309.3	1345.6	1386.5	1428.9
167.5°	1359.9	1390.1	1422.2	1455.2
170°	1392.6	1416.8	1444.0	1469.8
172.5°	1420.4	1439.8	1459.8	1481.9
175°	1457.6	1468.2	1480.4	1494.0
177.5°	1486.4	1490.0	1493.7	1499.7
180°	1498.5	1498.5	1498.5	1498.5



TEST NUMBER: P1435824
 CATALOG NUMBER: SQ2W-FA-K-100U-100D-L835-UNV-STD-W-WM-4

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	17.83	18.69	18.80	19.67	20.95	19.03	19.89	20.00	20.87	22.15
	3H	18.92	19.69	19.90	20.67	21.98	20.28	21.04	21.25	22.03	23.33
	4H	19.27	20.00	20.26	20.99	22.30	20.67	21.39	21.65	22.38	23.69
	6H	19.44	20.10	20.43	21.10	22.42	20.83	21.49	21.83	22.49	23.81
	8H	19.47	20.10	20.48	21.12	22.44	20.85	21.48	21.86	22.50	23.82
	12H	19.47	20.07	20.48	21.08	22.42	20.83	21.44	21.85	22.44	23.79
4H	2H	18.70	19.42	19.70	20.42	21.73	19.62	20.34	20.61	21.33	22.64
	3H	20.09	20.69	21.09	21.71	23.04	21.08	21.68	22.08	22.70	24.03
	4H	20.54	21.09	21.56	22.11	23.46	21.55	22.10	22.57	23.12	24.47
	6H	20.77	21.25	21.80	22.28	23.63	21.78	22.25	22.80	23.29	24.63
	8H	20.83	21.27	21.85	22.30	23.66	21.82	22.27	22.85	23.30	24.66
	12H	20.83	21.23	21.87	22.28	23.64	21.81	22.21	22.86	23.26	24.62
8H	4H	20.93	21.37	21.95	22.40	23.76	21.75	22.19	22.77	23.22	24.58
	6H	21.28	21.64	22.33	22.71	24.07	22.06	22.43	23.11	23.50	24.86
	8H	21.39	21.72	22.45	22.77	24.15	22.16	22.48	23.21	23.54	24.91
	12H	21.43	21.71	22.49	22.76	24.19	22.17	22.46	23.23	23.51	24.93
12H	4H	20.93	21.33	21.97	22.37	23.74	21.72	22.12	22.76	23.16	24.53
	6H	21.35	21.67	22.40	22.72	24.10	22.08	22.40	23.14	23.46	24.84
	8H	21.49	21.77	22.55	22.83	24.25	22.19	22.48	23.25	23.53	24.95