

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: P1436002

Luminaire Tested: SQ2W-FB-K-100U-125D-L940-UNV-STD-W-WM-4

Issue Date: 3/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1436002
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-100U-125D-L940-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - FROSTED CONTINUOUS BATWING ROLL LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1250 LUMENS PER FOOT
UPLIGHT 1000 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

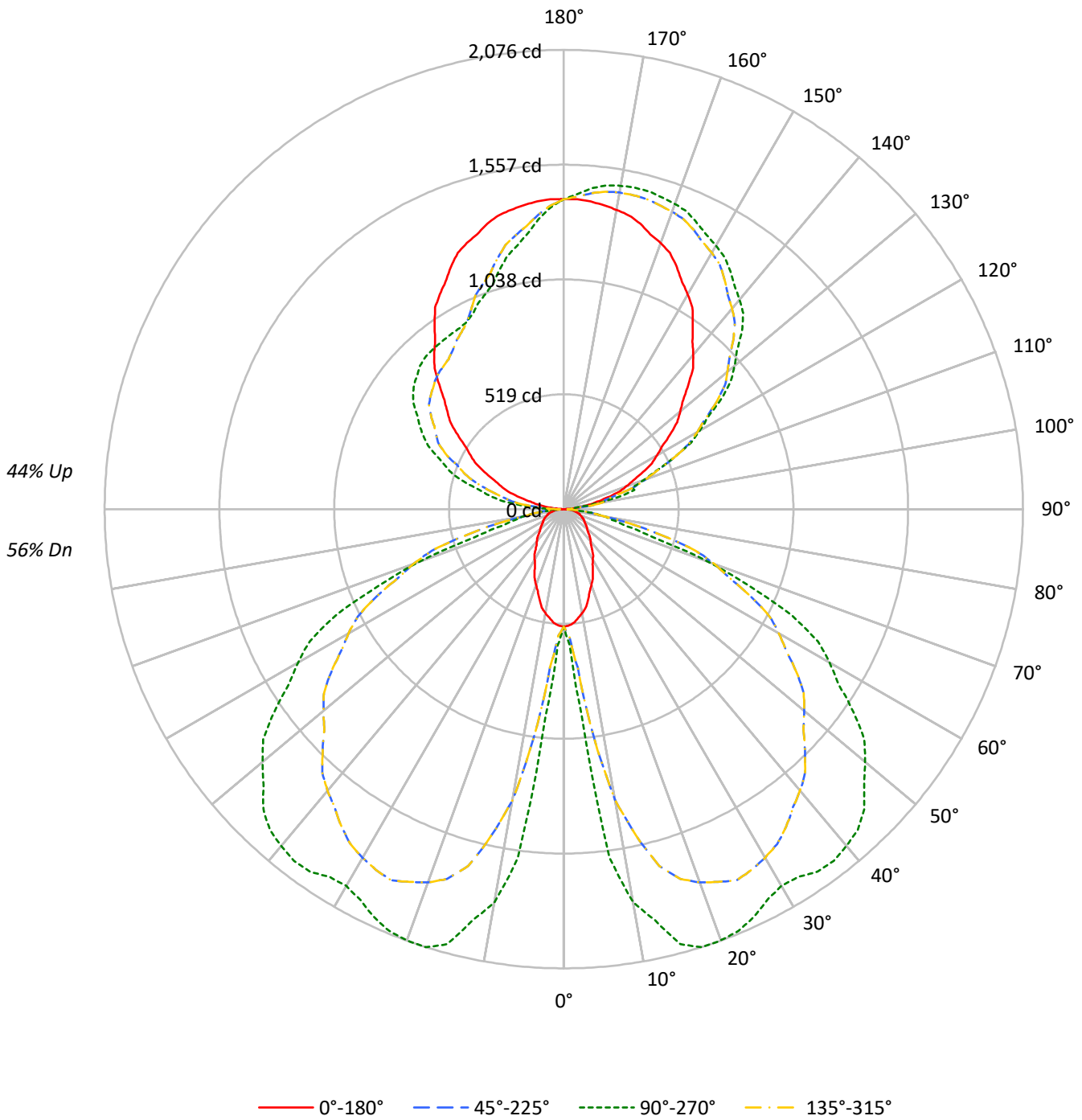
Lumens per Lamp: N/A
Luminaire Lumens: 9343.3 lumens
Efficiency: N/A
Efficacy: 113.5 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 2.98 / 2.52
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 82.3
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot





TEST NUMBER: P1436002

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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	109	109	109	109	101	101	101	101	87	87	87	74	74	74	62	62	62	56
1	99	95	91	87	92	88	85	81	76	73	71	65	63	61	54	53	52	47
2	90	82	76	70	83	76	71	66	66	62	58	56	53	50	47	45	43	39
3	82	72	64	58	75	67	60	55	58	52	48	49	45	42	41	38	36	32
4	74	63	55	48	69	59	51	46	51	45	41	43	39	35	37	33	30	27
5	68	56	47	41	63	52	45	39	45	39	34	39	34	30	33	29	26	23
6	62	50	41	35	58	47	39	33	40	34	30	35	30	26	29	26	23	20
7	57	45	36	31	53	42	34	29	36	30	26	31	26	23	26	23	20	17
8	53	40	32	27	49	38	31	25	33	27	23	28	24	20	24	20	17	15
9	49	37	29	24	46	34	27	22	30	24	20	26	21	18	22	18	16	13
10	46	34	26	21	43	31	25	20	28	22	18	24	19	16	20	17	14	12

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	8578	8578	8578	8578
5°	8363	15194	8363	15194
10°	7832	29568	7832	29568
15°	7089	34032	7089	34032
20°	6276	35640	6276	35640
25°	5553	36224	5553	36224
30°	4905	36671	4905	36671
35°	4380	39424	4380	39424
40°	3983	41890	3983	41890
45°	3674	43863	3674	43863
50°	3464	44660	3464	44660
55°	3381	45016	3381	45016
60°	3465	44791	3465	44791
65°	3610	43525	3610	43525
70°	3739	32922	3739	32922
75°	4142	18166	4142	18166
80°	4277	16866	4277	16866
85°	4261	7095	4261	7095

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 52.5°
 Luminance: 45422 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.0	1.0
10°-20°	406.2	4.3
20°-30°	714.8	7.7
30°-40°	925.3	9.9
40°-50°	1020.4	10.9
50°-60°	952.4	10.2
60°-70°	735.8	7.9
70°-80°	339.2	3.6
80°-90°	70.6	0.8
90°-100°	111.5	1.2
100°-110°	325.1	3.5
110°-120°	530.5	5.7
120°-130°	673.2	7.2
130°-140°	720.3	7.7
140°-150°	672.6	7.2
150°-160°	553.5	5.9
160°-170°	371.2	4.0
170°-180°	131.8	1.4
0°-30°	1210.0	13.0
0°-40°	2135.3	22.9
0°-60°	4108.1	44.0
0°-90°	5253.7	56.2
90°-120°	967.1	10.4
90°-150°	3033.2	32.5
90°-180°	4090.0	43.8
0°-180°	9343.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	531	531	531	531	531	
5°	516	938	516	938	516	48
15°	424	2036	424	2036	424	118
25°	312	2033	312	2033	312	143
35°	222	2000	222	2000	222	140
45°	161	1921	161	1921	161	125
55°	120	1599	120	1599	120	108
65°	94	1139	94	1139	94	93
75°	66	291	66	291	66	68
85°	23	38	23	38	23	24
90°	4	31	4	61	4	5
95°	44	32	44	191	44	53
105°	207	331	207	456	207	220
115°	396	549	396	676	396	390
125°	586	870	586	829	586	524
135°	796	1139	796	918	796	616
145°	1017	1313	1017	938	1017	636
155°	1208	1426	1208	973	1208	555
165°	1336	1487	1336	1120	1336	376
175°	1396	1456	1396	1314	1396	132
180°	1401	1401	1401	1401	1401	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	531.3	531.3	531.3	531.3	531.3	531.3	531.3	531.3	531.3	531.3	531.3
2.5°	527.3	537.3	547.2	557.9	568.8	580.6	593.3	604.2	609.7	615.1	609.7
5°	516.0	550.1	584.1	633.5	688.0	749.9	819.2	878.5	908.0	937.5	908.0
7.5°	496.1	565.4	634.6	781.4	953.9	1133.1	1318.8	1472.9	1531.9	1591.0	1531.9
10°	477.7	574.2	670.7	919.6	1219.4	1449.9	1611.1	1739.9	1771.7	1803.5	1771.7
12.5°	457.3	588.3	719.3	1026.6	1392.6	1632.2	1745.3	1838.3	1871.0	1903.7	1871.0
15°	424.1	611.4	798.7	1146.1	1546.9	1793.3	1885.3	1963.3	1999.7	2036.0	1999.7
17.5°	389.8	639.2	888.5	1242.9	1632.3	1872.6	1963.6	2036.8	2056.6	2076.3	2056.6
20°	365.3	658.2	951.1	1306.2	1682.0	1909.1	1987.5	2049.3	2061.8	2074.3	2061.8
22.5°	342.8	670.3	997.7	1353.2	1718.1	1930.2	1989.5	2037.3	2050.7	2064.1	2050.7
25°	311.7	680.6	1049.6	1404.2	1753.9	1947.4	1984.9	2015.3	2024.4	2033.4	2024.4
27.5°	281.5	671.4	1061.3	1411.3	1748.1	1928.7	1953.2	1973.8	1982.7	1991.5	1982.7
30°	263.1	659.4	1055.6	1402.5	1732.8	1907.1	1925.3	1942.0	1954.5	1967.0	1954.5
32.5°	246.8	644.8	1042.9	1385.4	1709.5	1880.1	1897.4	1917.1	1944.1	1971.1	1944.1
35°	222.2	613.9	1005.6	1344.6	1665.9	1840.1	1867.4	1900.3	1950.3	2000.2	1950.3
37.5°	201.3	574.4	947.5	1282.9	1605.8	1795.7	1852.7	1907.5	1955.7	2003.8	1955.7
40°	189.0	546.7	904.3	1237.3	1562.0	1762.4	1838.4	1905.7	1946.6	1987.5	1946.6
42.5°	176.8	515.3	853.9	1184.1	1511.6	1719.7	1808.5	1885.3	1926.1	1967.0	1926.1
45°	160.9	465.2	769.5	1096.8	1431.7	1651.4	1755.8	1843.8	1882.4	1921.0	1882.4
47.5°	146.1	410.4	674.7	1003.4	1353.6	1584.1	1694.9	1785.0	1813.2	1841.3	1813.2
50°	137.9	374.1	610.3	940.1	1301.1	1536.1	1645.1	1732.6	1755.3	1778.0	1755.3
52.5°	129.8	338.7	547.6	878.1	1249.1	1486.0	1588.6	1670.8	1691.7	1712.6	1691.7
55°	120.1	290.4	460.7	787.7	1166.9	1401.3	1491.0	1562.8	1581.0	1599.2	1581.0
57.5°	111.4	248.8	386.1	702.8	1079.3	1305.8	1382.4	1443.4	1458.2	1473.0	1458.2
60°	107.3	226.5	345.7	649.7	1015.3	1232.7	1302.0	1357.6	1372.4	1387.1	1372.4
62.5°	101.2	204.9	308.7	596.6	945.8	1152.3	1216.1	1267.5	1281.3	1295.2	1281.3
65°	94.5	178.5	262.6	522.0	839.9	1025.5	1078.9	1121.2	1130.3	1139.3	1130.3
67.5°	85.3	156.6	227.9	453.7	730.9	886.1	919.3	939.9	922.9	905.8	922.9
70°	79.2	145.0	210.9	412.1	658.5	787.4	798.7	795.0	746.2	697.4	746.2
72.5°	75.1	133.7	192.3	366.5	579.3	673.2	648.2	606.3	513.9	421.5	513.9
75°	66.4	114.1	161.8	292.9	451.9	476.9	367.9	286.7	288.9	291.2	288.9
77.5°	54.2	89.8	125.5	206.1	301.7	320.6	262.9	220.2	222.2	224.3	222.2
80°	46.0	74.4	102.8	134.5	167.5	182.8	180.5	179.1	180.2	181.4	180.2
82.5°	37.8	58.9	80.0	99.1	117.5	127.8	130.1	131.4	129.8	128.2	129.8
85°	23.0	35.5	48.0	55.3	61.0	59.3	50.2	42.9	40.6	38.3	40.6
87.5°	9.0	14.7	20.7	20.2	17.4	15.9	15.9	16.2	16.4	16.4	16.4
90°	4.2	9.9	17.0	22.6	26.9	28.3	28.3	29.7	31.1	31.1	31.1
92.5°	15.6	24.6	24.9	24.9	30.3	32.8	35.1	35.4	36.8	36.8	36.8
95°	43.9	48.1	72.2	70.7	48.1	38.2	32.5	32.5	32.5	32.5	32.5
97.5°	83.8	90.0	93.9	125.9	133.0	128.5	104.7	88.0	78.7	74.4	78.7
100°	118.8	121.7	130.2	131.6	166.9	200.9	183.9	162.7	155.6	151.4	155.6
102.5°	153.9	155.6	168.6	174.6	182.8	202.0	260.9	254.4	249.6	248.7	249.6
105°	206.6	208.0	232.0	243.3	249.0	249.0	247.6	275.9	321.2	331.1	321.2
107.5°	262.9	269.4	297.7	328.0	334.5	336.2	328.8	324.6	322.9	324.0	322.9
110°	301.4	311.3	345.2	383.4	393.3	396.1	393.3	389.1	386.2	386.2	386.2



TEST NUMBER: P1436002

CATALOG NUMBER: SQ2W-FB-K-100U-125D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	338.7	353.1	391.6	435.5	452.2	460.7	454.4	451.3	448.5	450.8	448.5
115°	396.1	417.4	468.3	513.6	547.5	551.8	550.4	550.4	548.9	548.9	548.9
117.5°	449.3	483.3	540.5	593.1	632.4	643.7	649.4	647.7	646.0	648.8	646.0
120°	486.7	526.3	591.4	650.8	689.0	706.0	711.6	708.8	711.6	708.8	711.6
122.5°	526.3	575.0	638.9	700.6	745.6	764.8	771.6	772.2	772.8	771.1	772.8
125°	585.7	645.2	720.1	783.8	830.5	853.1	858.8	860.2	863.0	870.1	863.0
127.5°	645.7	713.1	795.4	856.8	904.6	932.1	940.8	944.0	949.9	953.0	949.9
130°	687.6	764.0	847.5	905.5	952.2	981.9	997.4	1001.7	1008.8	1007.3	1008.8
132.5°	731.7	811.5	896.1	956.4	999.7	1031.7	1045.0	1057.1	1059.7	1061.7	1059.7
135°	796.5	882.8	967.7	1027.2	1068.2	1099.3	1116.3	1127.6	1134.7	1138.9	1134.7
137.5°	864.7	955.8	1037.3	1090.3	1131.6	1158.4	1177.7	1189.6	1196.9	1200.3	1196.9
140°	911.1	998.9	1078.1	1133.3	1170.0	1196.9	1213.9	1228.1	1236.5	1236.5	1236.5
142.5°	955.3	1041.9	1118.8	1174.0	1206.3	1230.9	1249.0	1259.7	1269.4	1269.4	1269.4
145°	1017.2	1103.6	1174.3	1229.5	1256.4	1279.0	1298.8	1307.3	1312.9	1312.9	1312.9
147.5°	1082.0	1158.4	1223.0	1275.9	1298.5	1325.1	1340.7	1347.5	1354.5	1351.4	1354.5
150°	1120.5	1191.3	1253.5	1303.0	1325.7	1351.1	1366.7	1372.4	1379.4	1375.2	1379.4
152.5°	1157.9	1225.2	1281.8	1327.9	1347.2	1372.6	1390.5	1396.1	1400.9	1397.8	1400.9
155°	1208.2	1267.7	1320.0	1362.5	1379.4	1403.5	1420.5	1427.5	1433.2	1426.1	1433.2
157.5°	1253.2	1304.5	1350.0	1389.1	1407.2	1427.8	1443.7	1452.4	1458.1	1455.0	1458.1
160°	1280.4	1327.1	1368.1	1404.9	1421.9	1440.3	1457.3	1467.2	1472.8	1468.6	1472.8
162.5°	1303.0	1345.2	1384.0	1417.4	1432.1	1448.2	1468.6	1477.3	1483.0	1477.6	1483.0
165°	1335.6	1369.5	1403.5	1431.8	1444.5	1457.3	1478.5	1488.4	1492.6	1487.0	1492.6
167.5°	1360.2	1386.2	1413.7	1438.0	1447.4	1459.8	1481.0	1489.2	1494.6	1487.5	1494.6
170°	1373.8	1396.4	1420.5	1440.3	1447.4	1458.7	1479.9	1487.0	1491.2	1484.1	1491.2
172.5°	1385.1	1402.1	1421.6	1439.1	1442.8	1451.9	1472.0	1479.0	1482.2	1476.2	1482.2
175°	1396.4	1406.3	1420.5	1431.8	1430.4	1436.0	1453.0	1458.7	1464.3	1455.8	1464.3
177.5°	1401.8	1406.3	1410.8	1417.6	1413.1	1413.1	1425.6	1429.0	1430.1	1425.6	1430.1
180°	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	531.3	531.3	531.3	531.3	531.3	531.3	531.3	531.3	531.3	531.3	531.3
2.5°	604.2	593.3	580.6	568.8	557.9	547.2	537.3	527.3	537.3	547.2	557.9
5°	878.5	819.2	749.9	688.0	633.5	584.1	550.1	516.0	550.1	584.1	633.5
7.5°	1472.9	1318.8	1133.1	953.9	781.4	634.6	565.4	496.1	565.4	634.6	781.4
10°	1739.9	1611.1	1449.9	1219.4	919.6	670.7	574.2	477.7	574.2	670.7	919.6
12.5°	1838.3	1745.3	1632.2	1392.6	1026.6	719.3	588.3	457.3	588.3	719.3	1026.6
15°	1963.3	1885.3	1793.3	1546.9	1146.1	798.7	611.4	424.1	611.4	798.7	1146.1
17.5°	2036.8	1963.6	1872.6	1632.3	1242.9	888.5	639.2	389.8	639.2	888.5	1242.9
20°	2049.3	1987.5	1909.1	1682.0	1306.2	951.1	658.2	365.3	658.2	951.1	1306.2
22.5°	2037.3	1989.5	1930.2	1718.1	1353.2	997.7	670.3	342.8	670.3	997.7	1353.2
25°	2015.3	1984.9	1947.4	1753.9	1404.2	1049.6	680.6	311.7	680.6	1049.6	1404.2
27.5°	1973.8	1953.2	1928.7	1748.1	1411.3	1061.3	671.4	281.5	671.4	1061.3	1411.3
30°	1942.0	1925.3	1907.1	1732.8	1402.5	1055.6	659.4	263.1	659.4	1055.6	1402.5
32.5°	1917.1	1897.4	1880.1	1709.5	1385.4	1042.9	644.8	246.8	644.8	1042.9	1385.4
35°	1900.3	1867.4	1840.1	1665.9	1344.6	1005.6	613.9	222.2	613.9	1005.6	1344.6
37.5°	1907.5	1852.7	1795.7	1605.8	1282.9	947.5	574.4	201.3	574.4	947.5	1282.9
40°	1905.7	1838.4	1762.4	1562.0	1237.3	904.3	546.7	189.0	546.7	904.3	1237.3
42.5°	1885.3	1808.5	1719.7	1511.6	1184.1	853.9	515.3	176.8	515.3	853.9	1184.1
45°	1843.8	1755.8	1651.4	1431.7	1096.8	769.5	465.2	160.9	465.2	769.5	1096.8
47.5°	1785.0	1694.9	1584.1	1353.6	1003.4	674.7	410.4	146.1	410.4	674.7	1003.4
50°	1732.6	1645.1	1536.1	1301.1	940.1	610.3	374.1	137.9	374.1	610.3	940.1
52.5°	1670.8	1588.6	1486.0	1249.1	878.1	547.6	338.7	129.8	338.7	547.6	878.1
55°	1562.8	1491.0	1401.3	1166.9	787.7	460.7	290.4	120.1	290.4	460.7	787.7
57.5°	1443.4	1382.4	1305.8	1079.3	702.8	386.1	248.8	111.4	248.8	386.1	702.8
60°	1357.6	1302.0	1232.7	1015.3	649.7	345.7	226.5	107.3	226.5	345.7	649.7
62.5°	1267.5	1216.1	1152.3	945.8	596.6	308.7	204.9	101.2	204.9	308.7	596.6
65°	1121.2	1078.9	1025.5	839.9	522.0	262.6	178.5	94.5	178.5	262.6	522.0
67.5°	939.9	919.3	886.1	730.9	453.7	227.9	156.6	85.3	156.6	227.9	453.7
70°	795.0	798.7	787.4	658.5	412.1	210.9	145.0	79.2	145.0	210.9	412.1
72.5°	606.3	648.2	673.2	579.3	366.5	192.3	133.7	75.1	133.7	192.3	366.5
75°	286.7	367.9	476.9	451.9	292.9	161.8	114.1	66.4	114.1	161.8	292.9
77.5°	220.2	262.9	320.6	301.7	206.1	125.5	89.8	54.2	89.8	125.5	206.1
80°	179.1	180.5	182.8	167.5	134.5	102.8	74.4	46.0	74.4	102.8	134.5
82.5°	131.4	130.1	127.8	117.5	99.1	80.0	58.9	37.8	58.9	80.0	99.1
85°	42.9	50.2	59.3	61.0	55.3	48.0	35.5	23.0	35.5	48.0	55.3
87.5°	16.2	15.9	15.9	17.4	20.2	20.7	14.7	9.0	14.7	20.4	20.8
90°	29.7	28.3	28.3	26.9	22.6	17.0	9.9	4.2	9.9	15.6	25.5
92.5°	35.4	35.1	32.8	30.3	24.9	24.9	24.6	15.6	26.9	38.2	54.9
95°	32.5	32.5	38.2	48.1	70.7	72.2	48.1	43.9	62.3	87.7	110.4
97.5°	88.0	104.7	128.5	133.0	125.9	93.9	90.0	83.8	114.0	139.2	175.7
100°	162.7	183.9	200.9	166.9	131.6	130.2	121.7	118.8	151.4	175.4	210.8
102.5°	254.4	260.9	202.0	182.8	174.6	168.6	155.6	153.9	186.5	219.6	249.3
105°	275.9	247.6	249.0	249.0	243.3	232.0	208.0	206.6	243.3	281.5	318.3
107.5°	324.6	328.8	336.2	334.5	328.0	297.7	269.4	262.9	296.0	341.8	382.3
110°	389.1	393.3	396.1	393.3	383.4	345.2	311.3	301.4	331.1	379.2	423.0



TEST NUMBER: P1436002

CATALOG NUMBER: SQ2W-FB-K-100U-125D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	451.3	454.4	460.7	452.2	435.5	391.6	353.1	338.7	368.4	417.7	462.6
115°	550.4	550.4	551.8	547.5	513.6	468.3	417.4	396.1	421.6	466.9	516.4
117.5°	647.7	649.4	643.7	632.4	593.1	540.5	483.3	449.3	469.4	517.3	568.2
120°	708.8	711.6	706.0	689.0	650.8	591.4	526.3	486.7	502.3	548.9	599.9
122.5°	772.2	771.6	764.8	745.6	700.6	638.9	575.0	526.3	532.8	576.1	625.9
125°	860.2	858.8	853.1	830.5	783.8	720.1	645.2	585.7	577.2	614.0	665.0
127.5°	944.0	940.8	932.1	904.6	856.8	795.4	713.1	645.7	626.8	650.0	696.7
130°	1001.7	997.4	981.9	952.2	905.5	847.5	764.0	687.6	660.7	674.9	715.9
132.5°	1057.1	1045.0	1031.7	999.7	956.4	896.1	811.5	731.7	694.7	700.9	732.9
135°	1127.6	1116.3	1099.3	1068.2	1027.2	967.7	882.8	796.5	745.6	739.9	758.3
137.5°	1189.6	1177.7	1158.4	1131.6	1090.3	1037.3	955.8	864.7	800.5	781.5	788.6
140°	1228.1	1213.9	1196.9	1170.0	1133.3	1078.1	998.9	911.1	839.0	812.1	807.9
142.5°	1259.7	1249.0	1230.9	1206.3	1174.0	1118.8	1041.9	955.3	878.6	843.8	833.9
145°	1307.3	1298.8	1279.0	1256.4	1229.5	1174.3	1103.6	1017.2	940.8	895.6	874.4
147.5°	1347.5	1340.7	1325.1	1298.5	1275.9	1223.0	1158.4	1082.0	1003.7	947.6	920.2
150°	1372.4	1366.7	1351.1	1325.7	1303.0	1253.5	1191.3	1120.5	1045.5	986.1	950.8
152.5°	1396.1	1390.5	1372.6	1347.2	1327.9	1281.8	1225.2	1157.9	1081.8	1022.3	985.8
155°	1427.5	1420.5	1403.5	1379.4	1362.5	1320.0	1267.7	1208.2	1143.2	1080.9	1039.9
157.5°	1452.4	1443.7	1427.8	1407.2	1389.1	1350.0	1304.5	1253.2	1196.4	1136.9	1095.1
160°	1467.2	1457.3	1440.3	1421.9	1404.9	1368.1	1327.1	1280.4	1228.1	1174.3	1129.0
162.5°	1477.3	1468.6	1448.2	1432.1	1417.4	1384.0	1345.2	1303.0	1256.4	1209.4	1167.5
165°	1488.4	1478.5	1457.3	1444.5	1431.8	1403.5	1369.5	1335.6	1296.0	1257.8	1223.8
167.5°	1489.2	1481.0	1459.8	1447.4	1438.0	1413.7	1386.2	1360.2	1329.4	1299.4	1271.1
170°	1487.0	1479.9	1458.7	1447.4	1440.3	1420.5	1396.4	1373.8	1349.7	1324.3	1301.6
172.5°	1479.0	1472.0	1451.9	1442.8	1439.1	1421.6	1402.1	1385.1	1364.4	1345.8	1327.7
175°	1458.7	1453.0	1436.0	1430.4	1431.8	1420.5	1406.3	1396.4	1383.7	1372.4	1362.5
177.5°	1429.0	1425.6	1413.1	1413.1	1417.6	1410.8	1406.3	1401.8	1396.1	1392.7	1389.3
180°	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7



TEST NUMBER: P1436002

CATALOG NUMBER: SQ2W-FB-K-100U-125D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	531.3	531.3	531.3	531.3	531.3	531.3	531.3	531.3	531.3	531.3	531.3
2.5°	568.8	580.6	593.3	604.2	609.7	615.1	609.7	604.2	593.3	580.6	568.8
5°	688.0	749.9	819.2	878.5	908.0	937.5	908.0	878.5	819.2	749.9	688.0
7.5°	953.9	1133.1	1318.8	1472.9	1531.9	1591.0	1531.9	1472.9	1318.8	1133.1	953.9
10°	1219.4	1449.9	1611.1	1739.9	1771.7	1803.5	1771.7	1739.9	1611.1	1449.9	1219.4
12.5°	1392.6	1632.2	1745.3	1838.3	1871.0	1903.7	1871.0	1838.3	1745.3	1632.2	1392.6
15°	1546.9	1793.3	1885.3	1963.3	1999.7	2036.0	1999.7	1963.3	1885.3	1793.3	1546.9
17.5°	1632.3	1872.6	1963.6	2036.8	2056.6	2076.3	2056.6	2036.8	1963.6	1872.6	1632.3
20°	1682.0	1909.1	1987.5	2049.3	2061.8	2074.3	2061.8	2049.3	1987.5	1909.1	1682.0
22.5°	1718.1	1930.2	1989.5	2037.3	2050.7	2064.1	2050.7	2037.3	1989.5	1930.2	1718.1
25°	1753.9	1947.4	1984.9	2015.3	2024.4	2033.4	2024.4	2015.3	1984.9	1947.4	1753.9
27.5°	1748.1	1928.7	1953.2	1973.8	1982.7	1991.5	1982.7	1973.8	1953.2	1928.7	1748.1
30°	1732.8	1907.1	1925.3	1942.0	1954.5	1967.0	1954.5	1942.0	1925.3	1907.1	1732.8
32.5°	1709.5	1880.1	1897.4	1917.1	1944.1	1971.1	1944.1	1917.1	1897.4	1880.1	1709.5
35°	1665.9	1840.1	1867.4	1900.3	1950.3	2000.2	1950.3	1900.3	1867.4	1840.1	1665.9
37.5°	1605.8	1795.7	1852.7	1907.5	1955.7	2003.8	1955.7	1907.5	1852.7	1795.7	1605.8
40°	1562.0	1762.4	1838.4	1905.7	1946.6	1987.5	1946.6	1905.7	1838.4	1762.4	1562.0
42.5°	1511.6	1719.7	1808.5	1885.3	1926.1	1967.0	1926.1	1885.3	1808.5	1719.7	1511.6
45°	1431.7	1651.4	1755.8	1843.8	1882.4	1921.0	1882.4	1843.8	1755.8	1651.4	1431.7
47.5°	1353.6	1584.1	1694.9	1785.0	1813.2	1841.3	1813.2	1785.0	1694.9	1584.1	1353.6
50°	1301.1	1536.1	1645.1	1732.6	1755.3	1778.0	1755.3	1732.6	1645.1	1536.1	1301.1
52.5°	1249.1	1486.0	1588.6	1670.8	1691.7	1712.6	1691.7	1670.8	1588.6	1486.0	1249.1
55°	1166.9	1401.3	1491.0	1562.8	1581.0	1599.2	1581.0	1562.8	1491.0	1401.3	1166.9
57.5°	1079.3	1305.8	1382.4	1443.4	1458.2	1473.0	1458.2	1443.4	1382.4	1305.8	1079.3
60°	1015.3	1232.7	1302.0	1357.6	1372.4	1387.1	1372.4	1357.6	1302.0	1232.7	1015.3
62.5°	945.8	1152.3	1216.1	1267.5	1281.3	1295.2	1281.3	1267.5	1216.1	1152.3	945.8
65°	839.9	1025.5	1078.9	1121.2	1130.3	1139.3	1130.3	1121.2	1078.9	1025.5	839.9
67.5°	730.9	886.1	919.3	939.9	922.9	905.8	922.9	939.9	919.3	886.1	730.9
70°	658.5	787.4	798.7	795.0	746.2	697.4	746.2	795.0	798.7	787.4	658.5
72.5°	579.3	673.2	648.2	606.3	513.9	421.5	513.9	606.3	648.2	673.2	579.3
75°	451.9	476.9	367.9	286.7	288.9	291.2	288.9	286.7	367.9	476.9	451.9
77.5°	301.7	320.6	262.9	220.2	222.2	224.3	222.2	220.2	262.9	320.6	301.7
80°	167.5	182.8	180.5	179.1	180.2	181.4	180.2	179.1	180.5	182.8	167.5
82.5°	117.5	127.8	130.1	131.4	129.8	128.2	129.8	131.4	130.1	127.8	117.5
85°	61.0	59.3	50.2	42.9	40.6	38.3	40.6	42.9	50.2	59.3	61.0
87.5°	18.5	18.7	20.7	21.8	23.0	22.4	23.0	21.8	20.7	18.7	18.5
90°	32.5	42.4	52.3	58.0	63.7	60.8	63.7	58.0	52.3	42.4	32.5
92.5°	65.4	82.1	94.2	104.4	108.9	108.4	108.9	104.4	94.2	82.1	65.4
95°	131.6	151.4	171.2	185.3	193.8	191.0	193.8	185.3	171.2	151.4	131.6
97.5°	202.9	229.5	251.6	264.9	273.3	279.0	273.3	264.9	251.6	229.5	202.9
100°	250.4	275.9	301.4	316.9	331.1	336.7	331.1	316.9	301.4	275.9	250.4
102.5°	288.9	322.3	350.0	366.7	378.6	384.3	378.6	366.7	350.0	322.3	288.9
105°	352.3	387.7	417.4	438.6	451.3	455.6	451.3	438.6	417.4	387.7	352.3
107.5°	415.7	452.2	479.6	503.1	518.7	527.7	518.7	503.1	479.6	452.2	415.7
110°	465.5	495.2	524.9	546.1	561.7	567.3	561.7	546.1	524.9	495.2	465.5



TEST NUMBER: P1436002

CATALOG NUMBER: SQ2W-FB-K-100U-125D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	507.4	540.5	570.2	591.4	609.2	617.1	609.2	591.4	570.2	540.5	507.4
115°	565.9	609.8	636.7	656.5	669.2	676.3	669.2	656.5	636.7	609.8	565.9
117.5°	614.6	660.4	689.9	705.1	711.1	716.2	711.1	705.1	689.9	660.4	614.6
120°	645.2	687.6	721.6	741.4	748.4	751.3	748.4	741.4	721.6	687.6	645.2
122.5°	673.4	713.6	746.5	770.8	782.4	785.2	782.4	770.8	746.5	713.6	673.4
125°	713.1	751.3	785.2	809.3	822.0	829.1	822.0	809.3	785.2	751.3	713.1
127.5°	747.6	788.9	820.0	841.8	854.3	859.9	854.3	841.8	820.0	788.9	747.6
130°	766.8	809.3	840.4	864.4	875.8	881.4	875.8	864.4	840.4	809.3	766.8
132.5°	781.5	826.2	858.5	880.3	892.7	898.4	892.7	880.3	858.5	826.2	781.5
135°	799.4	846.1	880.0	901.2	912.6	918.2	912.6	901.2	880.0	846.1	799.4
137.5°	814.9	857.4	892.7	915.1	925.3	929.0	925.3	915.1	892.7	857.4	814.9
140°	826.2	863.0	898.4	919.6	930.9	932.4	930.9	919.6	898.4	863.0	826.2
142.5°	841.0	869.8	900.7	921.9	933.2	935.8	933.2	921.9	900.7	869.8	841.0
145°	867.3	884.3	905.5	925.3	935.2	938.0	935.2	925.3	905.5	884.3	867.3
147.5°	900.4	905.8	916.8	929.8	939.4	941.4	939.4	929.8	916.8	905.8	900.4
150°	925.3	923.9	928.1	936.6	945.1	943.7	945.1	936.6	928.1	923.9	925.3
152.5°	953.6	945.4	945.1	949.1	953.0	952.7	953.0	949.1	945.1	945.4	953.6
155°	1001.7	986.1	977.6	974.8	974.8	973.4	974.8	974.8	977.6	986.1	1001.7
157.5°	1054.6	1032.8	1020.1	1013.3	1011.3	1008.2	1011.3	1013.3	1020.1	1032.8	1054.6
160°	1090.8	1066.8	1054.0	1042.7	1038.5	1034.2	1038.5	1042.7	1054.0	1066.8	1090.8
162.5°	1124.8	1101.9	1088.0	1077.8	1073.6	1067.1	1073.6	1077.8	1088.0	1101.9	1124.8
165°	1180.0	1155.9	1140.3	1131.8	1126.2	1120.5	1126.2	1131.8	1140.3	1155.9	1180.0
167.5°	1235.1	1208.8	1198.6	1189.0	1183.6	1173.4	1183.6	1189.0	1198.6	1208.8	1235.1
170°	1269.1	1245.0	1239.4	1230.9	1221.0	1209.7	1221.0	1230.9	1239.4	1245.0	1269.1
172.5°	1298.5	1282.4	1276.7	1268.2	1265.1	1256.1	1265.1	1268.2	1276.7	1282.4	1298.5
175°	1341.2	1328.5	1328.5	1327.1	1322.8	1314.4	1322.8	1327.1	1328.5	1328.5	1341.2
177.5°	1376.9	1370.1	1374.6	1374.6	1373.5	1365.6	1373.5	1374.6	1374.6	1370.1	1376.9
180°	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7



TEST NUMBER: P1436002

CATALOG NUMBER: SQ2W-FB-K-100U-125D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	531.3	531.3	531.3	531.3
2.5°	557.9	547.2	537.3	527.3
5°	633.5	584.1	550.1	516.0
7.5°	781.4	634.6	565.4	496.1
10°	919.6	670.7	574.2	477.7
12.5°	1026.6	719.3	588.3	457.3
15°	1146.1	798.7	611.4	424.1
17.5°	1242.9	888.5	639.2	389.8
20°	1306.2	951.1	658.2	365.3
22.5°	1353.2	997.7	670.3	342.8
25°	1404.2	1049.6	680.6	311.7
27.5°	1411.3	1061.3	671.4	281.5
30°	1402.5	1055.6	659.4	263.1
32.5°	1385.4	1042.9	644.8	246.8
35°	1344.6	1005.6	613.9	222.2
37.5°	1282.9	947.5	574.4	201.3
40°	1237.3	904.3	546.7	189.0
42.5°	1184.1	853.9	515.3	176.8
45°	1096.8	769.5	465.2	160.9
47.5°	1003.4	674.7	410.4	146.1
50°	940.1	610.3	374.1	137.9
52.5°	878.1	547.6	338.7	129.8
55°	787.7	460.7	290.4	120.1
57.5°	702.8	386.1	248.8	111.4
60°	649.7	345.7	226.5	107.3
62.5°	596.6	308.7	204.9	101.2
65°	522.0	262.6	178.5	94.5
67.5°	453.7	227.9	156.6	85.3
70°	412.1	210.9	145.0	79.2
72.5°	366.5	192.3	133.7	75.1
75°	292.9	161.8	114.1	66.4
77.5°	206.1	125.5	89.8	54.2
80°	134.5	102.8	74.4	46.0
82.5°	99.1	80.0	58.9	37.8
85°	55.3	48.0	35.5	23.0
87.5°	20.8	20.4	14.7	9.0
90°	25.5	15.6	9.9	4.2
92.5°	54.9	38.2	26.9	15.6
95°	110.4	87.7	62.3	43.9
97.5°	175.7	139.2	114.0	83.8
100°	210.8	175.4	151.4	118.8
102.5°	249.3	219.6	186.5	153.9
105°	318.3	281.5	243.3	206.6
107.5°	382.3	341.8	296.0	262.9
110°	423.0	379.2	331.1	301.4



TEST NUMBER: P1436002

CATALOG NUMBER: SQ2W-FB-K-100U-125D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	462.6	417.7	368.4	338.7
115°	516.4	466.9	421.6	396.1
117.5°	568.2	517.3	469.4	449.3
120°	599.9	548.9	502.3	486.7
122.5°	625.9	576.1	532.8	526.3
125°	665.0	614.0	577.2	585.7
127.5°	696.7	650.0	626.8	645.7
130°	715.9	674.9	660.7	687.6
132.5°	732.9	700.9	694.7	731.7
135°	758.3	739.9	745.6	796.5
137.5°	788.6	781.5	800.5	864.7
140°	807.9	812.1	839.0	911.1
142.5°	833.9	843.8	878.6	955.3
145°	874.4	895.6	940.8	1017.2
147.5°	920.2	947.6	1003.7	1082.0
150°	950.8	986.1	1045.5	1120.5
152.5°	985.8	1022.3	1081.8	1157.9
155°	1039.9	1080.9	1143.2	1208.2
157.5°	1095.1	1136.9	1196.4	1253.2
160°	1129.0	1174.3	1228.1	1280.4
162.5°	1167.5	1209.4	1256.4	1303.0
165°	1223.8	1257.8	1296.0	1335.6
167.5°	1271.1	1299.4	1329.4	1360.2
170°	1301.6	1324.3	1349.7	1373.8
172.5°	1327.7	1345.8	1364.4	1385.1
175°	1362.5	1372.4	1383.7	1396.4
177.5°	1389.3	1392.7	1396.1	1401.8
180°	1400.7	1400.7	1400.7	1400.7



TEST NUMBER: P1436002
 CATALOG NUMBER: SQ2W-FB-K-100U-125D-L940-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	14.19	15.14	15.09	16.06	17.24	23.79	24.74	24.68	25.66	26.84
	3H	15.14	15.99	16.05	16.92	18.12	25.40	26.26	26.31	27.19	28.39
	4H	15.54	16.35	16.46	17.28	18.49	25.58	26.39	26.51	27.33	28.54
	6H	15.80	16.54	16.73	17.48	18.71	25.66	26.41	26.60	27.35	28.57
	8H	15.89	16.60	16.84	17.56	18.79	25.68	26.39	26.63	27.35	28.57
	12H	15.95	16.62	16.90	17.57	18.82	25.67	26.34	26.61	27.29	28.54
4H	2H	18.92	19.73	19.85	20.67	21.88	24.17	24.97	25.09	25.91	27.12
	3H	20.06	20.73	21.00	21.70	22.93	26.06	26.74	27.00	27.70	28.93
	4H	20.35	20.96	21.30	21.92	23.17	26.29	26.90	27.24	27.86	29.11
	6H	20.49	21.02	21.45	22.00	23.25	26.43	26.96	27.39	27.94	29.19
	8H	20.53	21.02	21.50	22.00	23.27	26.47	26.97	27.44	27.94	29.21
	12H	20.54	20.98	21.52	21.98	23.25	26.46	26.91	27.44	27.90	29.17
8H	4H	21.55	22.04	22.51	23.02	24.28	26.39	26.88	27.35	27.86	29.12
	6H	21.81	22.22	22.80	23.24	24.50	26.59	27.00	27.58	28.02	29.28
	8H	21.91	22.27	22.91	23.28	24.56	26.68	27.04	27.68	28.05	29.33
	12H	21.96	22.27	22.96	23.27	24.60	26.69	27.01	27.70	28.01	29.33
12H	4H	21.58	22.02	22.56	23.02	24.29	26.34	26.79	27.33	27.78	29.05
	6H	21.92	22.28	22.92	23.29	24.57	26.57	26.93	27.57	27.94	29.22
	8H	22.06	22.38	23.07	23.38	24.71	26.68	26.99	27.68	27.99	29.32