

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: P1436043

Luminaire Tested: SQ2W-FB-K-150U-100D-L935-UNV-STD-W-WM-4

Issue Date: 3/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1436043
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-150U-100D-L935-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 1500 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

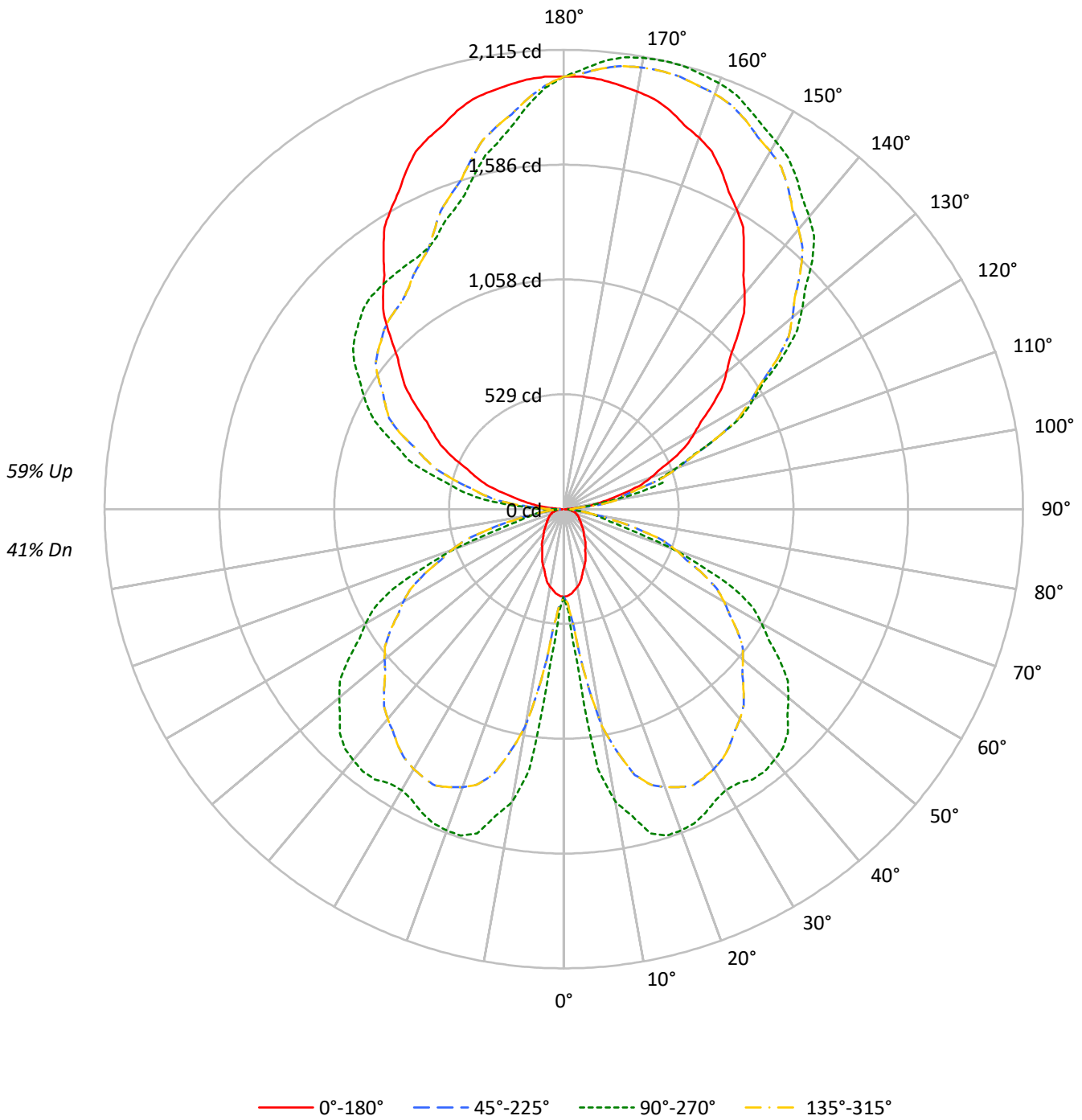
Lumens per Lamp: N/A
Luminaire Lumens: 9807.1 lumens
Efficiency: N/A
Efficacy: 105.8 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 2.98 / 2.52
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 92.7
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

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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	105	105	105	105	96	96	96	96	78	78	78	62	62	62	48	48	48	41
1	96	91	87	84	87	83	80	77	68	66	64	54	53	51	42	41	40	34
2	87	79	73	68	79	72	67	63	59	56	52	47	45	42	36	35	33	28
3	79	69	62	56	71	63	57	52	52	47	43	42	38	35	32	30	28	23
4	72	61	53	47	65	56	49	43	46	41	37	37	33	30	28	26	23	19
5	66	54	46	40	59	49	42	37	41	35	31	33	29	26	25	22	20	17
6	60	48	40	34	55	44	37	32	36	31	27	29	25	22	23	20	17	14
7	56	43	35	30	50	40	32	27	33	27	23	26	22	19	20	17	15	12
8	51	39	31	26	47	36	29	24	30	24	20	24	20	17	19	16	13	11
9	48	35	28	23	43	33	26	21	27	22	18	22	18	15	17	14	12	10
10	44	32	25	20	40	30	23	19	25	20	16	20	16	13	16	13	11	9

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	6513	6513	6513	6513
5°	6350	11536	6350	11536
10°	5946	22449	5946	22449
15°	5382	25838	5382	25838
20°	4766	27060	4766	27060
25°	4215	27504	4215	27504
30°	3725	27844	3725	27844
35°	3325	29934	3325	29934
40°	3024	31804	3024	31804
45°	2790	33305	2790	33305
50°	2630	33907	2630	33907
55°	2567	34178	2567	34178
60°	2632	34009	2632	34009
65°	2743	33046	2743	33046
70°	2837	24996	2837	24996
75°	3144	13793	3144	13793
80°	3245	12803	3245	12803
85°	3242	5391	3242	5391

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 52.5°
 Luminance: 34487 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.6	0.7
10°-20°	308.4	3.1
20°-30°	542.7	5.5
30°-40°	702.5	7.2
40°-50°	774.8	7.9
50°-60°	723.1	7.4
60°-70°	558.7	5.7
70°-80°	257.5	2.6
80°-90°	57.5	0.6
90°-100°	158.5	1.6
100°-110°	462.2	4.7
110°-120°	754.2	7.7
120°-130°	957.1	9.8
130°-140°	1024.1	10.4
140°-150°	956.3	9.8
150°-160°	786.9	8.0
160°-170°	527.7	5.4
170°-180°	187.4	1.9
0°-30°	918.7	9.4
0°-40°	1621.2	16.5
0°-60°	3119.1	31.8
0°-90°	3992.7	40.7
90°-120°	1374.9	14.0
90°-150°	4312.4	44.0
90°-180°	5814.0	59.3
0°-180°	9807.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	403	403	403	403	403	
5°	392	712	392	712	392	36
15°	322	1546	322	1546	322	90
25°	237	1544	237	1544	237	109
35°	169	1519	169	1519	169	106
45°	122	1459	122	1459	122	95
55°	91	1214	91	1214	91	82
65°	72	865	72	865	72	70
75°	50	221	50	221	50	52
85°	18	29	18	29	18	18
90°	6	44	6	86	6	6
95°	62	46	62	272	62	75
105°	294	471	294	648	294	312
115°	563	780	563	962	563	555
125°	833	1237	833	1179	833	745
135°	1132	1619	1132	1306	1132	875
145°	1446	1867	1446	1334	1446	905
155°	1718	2028	1718	1384	1718	790
165°	1899	2114	1899	1593	1899	535
175°	1985	2070	1985	1869	1985	188
180°	1991	1991	1991	1991	1991	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	403.4	403.4	403.4	403.4	403.4	403.4	403.4	403.4	403.4	403.4	403.4
2.5°	400.3	407.9	415.5	423.6	431.9	440.8	450.5	458.8	462.9	467.0	462.9
5°	391.8	417.7	443.5	481.0	522.4	569.4	622.0	667.0	689.4	711.8	689.4
7.5°	376.7	429.2	481.8	593.2	724.3	860.3	1001.3	1118.3	1163.1	1208.0	1163.1
10°	362.7	436.0	509.2	698.2	925.8	1100.8	1223.2	1321.1	1345.2	1369.3	1345.2
12.5°	347.2	446.7	546.1	779.4	1057.4	1239.3	1325.1	1395.7	1420.5	1445.4	1420.5
15°	322.0	464.2	606.4	870.2	1174.5	1361.6	1431.4	1490.7	1518.2	1545.8	1518.2
17.5°	296.0	485.3	674.6	943.7	1239.3	1421.7	1490.9	1546.5	1561.5	1576.5	1561.5
20°	277.4	499.8	722.2	991.8	1277.1	1449.5	1509.0	1556.0	1565.4	1574.9	1565.4
22.5°	260.3	508.9	757.5	1027.5	1304.5	1465.5	1510.5	1546.8	1557.0	1567.2	1557.0
25°	236.6	516.8	796.9	1066.1	1331.6	1478.6	1507.0	1530.1	1537.0	1543.9	1537.0
27.5°	213.7	509.8	805.8	1071.5	1327.2	1464.4	1483.0	1498.6	1505.4	1512.1	1505.4
30°	199.8	500.6	801.5	1064.8	1315.7	1448.0	1461.8	1474.5	1484.0	1493.5	1484.0
32.5°	187.4	489.6	791.8	1051.9	1297.9	1427.5	1440.6	1455.5	1476.1	1496.6	1476.1
35°	168.7	466.1	763.5	1020.9	1264.8	1397.1	1417.8	1442.8	1480.7	1518.7	1480.7
37.5°	152.8	436.1	719.4	974.0	1219.2	1363.4	1406.7	1448.3	1484.8	1521.4	1484.8
40°	143.5	415.1	686.6	939.4	1185.9	1338.1	1395.8	1446.9	1477.9	1509.0	1477.9
42.5°	134.2	391.3	648.3	899.1	1147.7	1305.7	1373.1	1431.4	1462.4	1493.5	1462.4
45°	122.2	353.2	584.2	832.7	1087.0	1253.8	1333.1	1399.9	1429.2	1458.6	1429.2
47.5°	110.9	311.6	512.3	761.9	1027.7	1202.7	1286.8	1355.3	1376.7	1398.0	1376.7
50°	104.7	284.0	463.3	713.8	987.9	1166.3	1249.1	1315.5	1332.7	1349.9	1332.7
52.5°	98.5	257.1	415.8	666.7	948.4	1128.2	1206.2	1268.6	1284.4	1300.3	1284.4
55°	91.2	220.5	349.8	598.0	885.9	1064.0	1132.1	1186.6	1200.4	1214.2	1200.4
57.5°	84.6	188.9	293.2	533.6	819.5	991.5	1049.6	1095.9	1107.1	1118.4	1107.1
60°	81.5	172.0	262.5	493.3	770.9	935.9	988.5	1030.8	1042.0	1053.2	1042.0
62.5°	76.8	155.6	234.4	453.0	718.1	874.9	923.4	962.3	972.8	983.4	972.8
65°	71.8	135.6	199.3	396.3	637.7	778.6	819.1	851.3	858.1	865.0	858.1
67.5°	64.8	118.9	173.1	344.5	555.0	672.8	698.0	713.6	700.7	687.8	700.7
70°	60.1	110.1	160.1	312.9	500.0	597.8	606.4	603.6	566.6	529.5	566.6
72.5°	57.0	101.5	146.0	278.3	439.8	511.1	492.1	460.4	390.2	320.0	390.2
75°	50.4	86.6	122.8	222.4	343.1	362.1	279.3	217.7	219.4	221.1	219.4
77.5°	41.1	68.2	95.3	156.5	229.0	243.4	199.6	167.2	168.7	170.3	168.7
80°	34.9	56.5	78.0	102.2	127.1	138.8	137.1	136.0	136.8	137.7	136.8
82.5°	28.7	44.7	60.8	75.3	89.2	97.1	98.8	99.8	98.6	97.4	98.6
85°	17.5	26.9	36.4	42.0	46.3	45.0	38.1	32.5	30.8	29.1	30.8
87.5°	7.4	12.5	17.9	18.3	16.8	15.8	15.8	16.2	16.6	16.6	16.6
90°	6.0	14.1	24.1	32.2	38.2	40.2	40.2	42.2	44.3	44.3	44.3
92.5°	22.1	35.0	35.4	35.4	43.0	46.7	49.9	50.3	52.3	52.3	52.3
95°	62.4	68.4	102.6	100.6	68.4	54.3	46.3	46.3	46.3	46.3	46.3
97.5°	119.1	127.9	133.6	179.0	189.1	182.6	148.8	125.1	111.8	105.8	111.8
100°	169.0	173.0	185.1	187.1	237.4	285.6	261.5	231.3	221.3	215.2	221.3
102.5°	218.8	221.3	239.8	248.2	259.9	287.2	370.9	361.7	354.8	353.6	354.8
105°	293.7	295.7	329.9	346.0	354.0	354.0	352.0	392.2	456.6	470.7	456.6
107.5°	373.7	383.0	423.2	466.3	475.5	477.9	467.5	461.4	459.0	460.6	459.0
110°	428.4	442.5	490.8	545.1	559.2	563.2	559.2	553.2	549.1	549.1	549.1



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	481.5	502.1	556.8	619.1	642.9	654.9	646.1	641.7	637.6	640.9	637.6
115°	563.2	593.4	665.8	730.2	778.4	784.5	782.5	782.5	780.5	780.5	780.5
117.5°	638.8	687.1	768.4	843.2	899.1	915.2	923.3	920.9	918.4	922.5	918.4
120°	692.0	748.3	840.8	925.3	979.6	1003.7	1011.8	1007.8	1011.8	1007.8	1011.8
122.5°	748.3	817.5	908.4	996.1	1060.1	1087.4	1097.1	1097.9	1098.7	1096.3	1098.7
125°	832.8	917.2	1023.8	1114.4	1180.7	1212.9	1221.0	1223.0	1227.0	1237.1	1227.0
127.5°	918.0	1013.8	1130.9	1218.2	1286.1	1325.2	1337.6	1342.1	1350.5	1354.9	1350.5
130°	977.6	1086.2	1204.9	1287.3	1353.7	1396.0	1418.1	1424.1	1434.2	1432.2	1434.2
132.5°	1040.3	1153.8	1274.1	1359.8	1421.3	1466.8	1485.7	1503.0	1506.6	1509.4	1506.6
135°	1132.5	1255.2	1375.9	1460.3	1518.7	1562.9	1587.1	1603.2	1613.2	1619.2	1613.2
137.5°	1229.4	1359.0	1474.8	1550.0	1608.8	1647.0	1674.4	1691.3	1701.7	1706.5	1701.7
140°	1295.4	1420.1	1532.8	1611.2	1663.5	1701.7	1725.9	1746.0	1758.0	1758.0	1758.0
142.5°	1358.2	1481.3	1590.7	1669.1	1715.0	1750.0	1775.7	1791.0	1804.7	1804.7	1804.7
145°	1446.3	1569.0	1669.5	1748.0	1786.2	1818.4	1846.5	1858.6	1866.7	1866.7	1866.7
147.5°	1538.4	1647.0	1738.7	1814.0	1846.1	1884.0	1906.1	1915.7	1925.8	1921.4	1925.8
150°	1593.1	1693.7	1782.2	1852.6	1884.8	1921.0	1943.1	1951.1	1961.2	1955.2	1961.2
152.5°	1646.2	1741.9	1822.4	1888.0	1915.3	1951.5	1976.9	1984.9	1991.8	1987.3	1991.8
155°	1717.8	1802.3	1876.7	1937.1	1961.2	1995.4	2019.5	2029.6	2037.6	2027.6	2037.6
157.5°	1781.8	1854.6	1919.4	1974.9	2000.6	2030.0	2052.5	2065.0	2073.0	2068.6	2073.0
160°	1820.4	1886.8	1945.1	1997.4	2021.5	2047.7	2071.8	2085.9	2094.0	2087.9	2094.0
162.5°	1852.6	1912.5	1967.6	2015.1	2036.0	2059.0	2087.9	2100.4	2108.4	2100.8	2108.4
165°	1898.8	1947.1	1995.4	2035.6	2053.7	2071.8	2102.0	2116.1	2122.1	2114.1	2122.1
167.5°	1933.8	1970.9	2009.9	2044.5	2057.7	2075.4	2105.6	2117.3	2124.9	2114.9	2124.9
170°	1953.2	1985.3	2019.5	2047.7	2057.7	2073.8	2104.0	2114.1	2120.1	2110.0	2120.1
172.5°	1969.2	1993.4	2021.1	2046.1	2051.3	2064.2	2092.7	2102.8	2107.2	2098.8	2107.2
175°	1985.3	1999.4	2019.5	2035.6	2033.6	2041.7	2065.8	2073.8	2081.9	2069.8	2081.9
177.5°	1993.0	1999.4	2005.9	2015.5	2009.1	2009.1	2026.8	2031.6	2033.2	2026.8	2033.2
180°	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	403.4	403.4	403.4	403.4	403.4	403.4	403.4	403.4	403.4	403.4	403.4
2.5°	458.8	450.5	440.8	431.9	423.6	415.5	407.9	400.3	407.9	415.5	423.6
5°	667.0	622.0	569.4	522.4	481.0	443.5	417.7	391.8	417.7	443.5	481.0
7.5°	1118.3	1001.3	860.3	724.3	593.2	481.8	429.2	376.7	429.2	481.8	593.2
10°	1321.1	1223.2	1100.8	925.8	698.2	509.2	436.0	362.7	436.0	509.2	698.2
12.5°	1395.7	1325.1	1239.3	1057.4	779.4	546.1	446.7	347.2	446.7	546.1	779.4
15°	1490.7	1431.4	1361.6	1174.5	870.2	606.4	464.2	322.0	464.2	606.4	870.2
17.5°	1546.5	1490.9	1421.7	1239.3	943.7	674.6	485.3	296.0	485.3	674.6	943.7
20°	1556.0	1509.0	1449.5	1277.1	991.8	722.2	499.8	277.4	499.8	722.2	991.8
22.5°	1546.8	1510.5	1465.5	1304.5	1027.5	757.5	508.9	260.3	508.9	757.5	1027.5
25°	1530.1	1507.0	1478.6	1331.6	1066.1	796.9	516.8	236.6	516.8	796.9	1066.1
27.5°	1498.6	1483.0	1464.4	1327.2	1071.5	805.8	509.8	213.7	509.8	805.8	1071.5
30°	1474.5	1461.8	1448.0	1315.7	1064.8	801.5	500.6	199.8	500.6	801.5	1064.8
32.5°	1455.5	1440.6	1427.5	1297.9	1051.9	791.8	489.6	187.4	489.6	791.8	1051.9
35°	1442.8	1417.8	1397.1	1264.8	1020.9	763.5	466.1	168.7	466.1	763.5	1020.9
37.5°	1448.3	1406.7	1363.4	1219.2	974.0	719.4	436.1	152.8	436.1	719.4	974.0
40°	1446.9	1395.8	1338.1	1185.9	939.4	686.6	415.1	143.5	415.1	686.6	939.4
42.5°	1431.4	1373.1	1305.7	1147.7	899.1	648.3	391.3	134.2	391.3	648.3	899.1
45°	1399.9	1333.1	1253.8	1087.0	832.7	584.2	353.2	122.2	353.2	584.2	832.7
47.5°	1355.3	1286.8	1202.7	1027.7	761.9	512.3	311.6	110.9	311.6	512.3	761.9
50°	1315.5	1249.1	1166.3	987.9	713.8	463.3	284.0	104.7	284.0	463.3	713.8
52.5°	1268.6	1206.2	1128.2	948.4	666.7	415.8	257.1	98.5	257.1	415.8	666.7
55°	1186.6	1132.1	1064.0	885.9	598.0	349.8	220.5	91.2	220.5	349.8	598.0
57.5°	1095.9	1049.6	991.5	819.5	533.6	293.2	188.9	84.6	188.9	293.2	533.6
60°	1030.8	988.5	935.9	770.9	493.3	262.5	172.0	81.5	172.0	262.5	493.3
62.5°	962.3	923.4	874.9	718.1	453.0	234.4	155.6	76.8	155.6	234.4	453.0
65°	851.3	819.1	778.6	637.7	396.3	199.3	135.6	71.8	135.6	199.3	396.3
67.5°	713.6	698.0	672.8	555.0	344.5	173.1	118.9	64.8	118.9	173.1	344.5
70°	603.6	606.4	597.8	500.0	312.9	160.1	110.1	60.1	110.1	160.1	312.9
72.5°	460.4	492.1	511.1	439.8	278.3	146.0	101.5	57.0	101.5	146.0	278.3
75°	217.7	279.3	362.1	343.1	222.4	122.8	86.6	50.4	86.6	122.8	222.4
77.5°	167.2	199.6	243.4	229.0	156.5	95.3	68.2	41.1	68.2	95.3	156.5
80°	136.0	137.1	138.8	127.1	102.2	78.0	56.5	34.9	56.5	78.0	102.2
82.5°	99.8	98.8	97.1	89.2	75.3	60.8	44.7	28.7	44.7	60.8	75.3
85°	32.5	38.1	45.0	46.3	42.0	36.4	26.9	17.5	26.9	36.4	42.0
87.5°	16.2	15.8	15.8	16.8	18.3	17.9	12.5	7.4	12.5	17.5	19.1
90°	42.2	40.2	40.2	38.2	32.2	24.1	14.1	6.0	14.1	22.1	36.2
92.5°	50.3	49.9	46.7	43.0	35.4	35.4	35.0	22.1	38.2	54.3	78.0
95°	46.3	46.3	54.3	68.4	100.6	102.6	68.4	62.4	88.5	124.7	156.9
97.5°	125.1	148.8	182.6	189.1	179.0	133.6	127.9	119.1	162.1	197.9	249.8
100°	231.3	261.5	285.6	237.4	187.1	185.1	173.0	169.0	215.2	249.4	299.7
102.5°	361.7	370.9	287.2	259.9	248.2	239.8	221.3	218.8	265.1	312.2	354.4
105°	392.2	352.0	354.0	354.0	346.0	329.9	295.7	293.7	346.0	400.3	452.6
107.5°	461.4	467.5	477.9	475.5	466.3	423.2	383.0	373.7	420.8	486.0	543.5
110°	553.2	559.2	563.2	559.2	545.1	490.8	442.5	428.4	470.7	539.1	601.4



TEST NUMBER: P1436043

CATALOG NUMBER: SQ2W-FB-K-150U-100D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	641.7	646.1	654.9	642.9	619.1	556.8	502.1	481.5	523.8	593.8	657.8
115°	782.5	782.5	784.5	778.4	730.2	665.8	593.4	563.2	599.4	663.8	734.2
117.5°	920.9	923.3	915.2	899.1	843.2	768.4	687.1	638.8	667.4	735.4	807.8
120°	1007.8	1011.8	1003.7	979.6	925.3	840.8	748.3	692.0	714.1	780.5	852.9
122.5°	1097.9	1097.1	1087.4	1060.1	996.1	908.4	817.5	748.3	757.5	819.1	889.9
125°	1223.0	1221.0	1212.9	1180.7	1114.4	1023.8	917.2	832.8	820.7	873.0	945.4
127.5°	1342.1	1337.6	1325.2	1286.1	1218.2	1130.9	1013.8	918.0	891.1	924.1	990.5
130°	1424.1	1418.1	1396.0	1353.7	1287.3	1204.9	1086.2	977.6	939.4	959.5	1017.8
132.5°	1503.0	1485.7	1466.8	1421.3	1359.8	1274.1	1153.8	1040.3	987.6	996.5	1041.9
135°	1603.2	1587.1	1562.9	1518.7	1460.3	1375.9	1255.2	1132.5	1060.1	1052.0	1078.2
137.5°	1691.3	1674.4	1647.0	1608.8	1550.0	1474.8	1359.0	1229.4	1138.1	1111.1	1121.2
140°	1746.0	1725.9	1701.7	1663.5	1611.2	1532.8	1420.1	1295.4	1192.8	1154.6	1148.6
142.5°	1791.0	1775.7	1750.0	1715.0	1669.1	1590.7	1481.3	1358.2	1249.1	1199.6	1185.6
145°	1858.6	1846.5	1818.4	1786.2	1748.0	1669.5	1569.0	1446.3	1337.6	1273.3	1243.1
147.5°	1915.7	1906.1	1884.0	1846.1	1814.0	1738.7	1647.0	1538.4	1426.9	1347.3	1308.3
150°	1951.1	1943.1	1921.0	1884.8	1852.6	1782.2	1693.7	1593.1	1486.5	1402.0	1351.7
152.5°	1984.9	1976.9	1951.5	1915.3	1888.0	1822.4	1741.9	1646.2	1538.0	1453.5	1401.6
155°	2029.6	2019.5	1995.4	1961.2	1937.1	1876.7	1802.3	1717.8	1625.3	1536.8	1478.4
157.5°	2065.0	2052.5	2030.0	2000.6	1974.9	1919.4	1854.6	1781.8	1700.9	1616.4	1556.9
160°	2085.9	2071.8	2047.7	2021.5	1997.4	1945.1	1886.8	1820.4	1746.0	1669.5	1605.2
162.5°	2100.4	2087.9	2059.0	2036.0	2015.1	1967.6	1912.5	1852.6	1786.2	1719.4	1659.9
165°	2116.1	2102.0	2071.8	2053.7	2035.6	1995.4	1947.1	1898.8	1842.5	1788.2	1739.9
167.5°	2117.3	2105.6	2075.4	2057.7	2044.5	2009.9	1970.9	1933.8	1890.0	1847.3	1807.1
170°	2114.1	2104.0	2073.8	2057.7	2047.7	2019.5	1985.3	1953.2	1919.0	1882.7	1850.6
172.5°	2102.8	2092.7	2064.2	2051.3	2046.1	2021.1	1993.4	1969.2	1939.9	1913.3	1887.6
175°	2073.8	2065.8	2041.7	2033.6	2035.6	2019.5	1999.4	1985.3	1967.2	1951.1	1937.1
177.5°	2031.6	2026.8	2009.1	2009.1	2015.5	2005.9	1999.4	1993.0	1984.9	1980.1	1975.3
180°	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4



TEST NUMBER: P1436043

CATALOG NUMBER: SQ2W-FB-K-150U-100D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	403.4	403.4	403.4	403.4	403.4	403.4	403.4	403.4	403.4	403.4	403.4
2.5°	431.9	440.8	450.5	458.8	462.9	467.0	462.9	458.8	450.5	440.8	431.9
5°	522.4	569.4	622.0	667.0	689.4	711.8	689.4	667.0	622.0	569.4	522.4
7.5°	724.3	860.3	1001.3	1118.3	1163.1	1208.0	1163.1	1118.3	1001.3	860.3	724.3
10°	925.8	1100.8	1223.2	1321.1	1345.2	1369.3	1345.2	1321.1	1223.2	1100.8	925.8
12.5°	1057.4	1239.3	1325.1	1395.7	1420.5	1445.4	1420.5	1395.7	1325.1	1239.3	1057.4
15°	1174.5	1361.6	1431.4	1490.7	1518.2	1545.8	1518.2	1490.7	1431.4	1361.6	1174.5
17.5°	1239.3	1421.7	1490.9	1546.5	1561.5	1576.5	1561.5	1546.5	1490.9	1421.7	1239.3
20°	1277.1	1449.5	1509.0	1556.0	1565.4	1574.9	1565.4	1556.0	1509.0	1449.5	1277.1
22.5°	1304.5	1465.5	1510.5	1546.8	1557.0	1567.2	1557.0	1546.8	1510.5	1465.5	1304.5
25°	1331.6	1478.6	1507.0	1530.1	1537.0	1543.9	1537.0	1530.1	1507.0	1478.6	1331.6
27.5°	1327.2	1464.4	1483.0	1498.6	1505.4	1512.1	1505.4	1498.6	1483.0	1464.4	1327.2
30°	1315.7	1448.0	1461.8	1474.5	1484.0	1493.5	1484.0	1474.5	1461.8	1448.0	1315.7
32.5°	1297.9	1427.5	1440.6	1455.5	1476.1	1496.6	1476.1	1455.5	1440.6	1427.5	1297.9
35°	1264.8	1397.1	1417.8	1442.8	1480.7	1518.7	1480.7	1442.8	1417.8	1397.1	1264.8
37.5°	1219.2	1363.4	1406.7	1448.3	1484.8	1521.4	1484.8	1448.3	1406.7	1363.4	1219.2
40°	1185.9	1338.1	1395.8	1446.9	1477.9	1509.0	1477.9	1446.9	1395.8	1338.1	1185.9
42.5°	1147.7	1305.7	1373.1	1431.4	1462.4	1493.5	1462.4	1431.4	1373.1	1305.7	1147.7
45°	1087.0	1253.8	1333.1	1399.9	1429.2	1458.6	1429.2	1399.9	1333.1	1253.8	1087.0
47.5°	1027.7	1202.7	1286.8	1355.3	1376.7	1398.0	1376.7	1355.3	1286.8	1202.7	1027.7
50°	987.9	1166.3	1249.1	1315.5	1332.7	1349.9	1332.7	1315.5	1249.1	1166.3	987.9
52.5°	948.4	1128.2	1206.2	1268.6	1284.4	1300.3	1284.4	1268.6	1206.2	1128.2	948.4
55°	885.9	1064.0	1132.1	1186.6	1200.4	1214.2	1200.4	1186.6	1132.1	1064.0	885.9
57.5°	819.5	991.5	1049.6	1095.9	1107.1	1118.4	1107.1	1095.9	1049.6	991.5	819.5
60°	770.9	935.9	988.5	1030.8	1042.0	1053.2	1042.0	1030.8	988.5	935.9	770.9
62.5°	718.1	874.9	923.4	962.3	972.8	983.4	972.8	962.3	923.4	874.9	718.1
65°	637.7	778.6	819.1	851.3	858.1	865.0	858.1	851.3	819.1	778.6	637.7
67.5°	555.0	672.8	698.0	713.6	700.7	687.8	700.7	713.6	698.0	672.8	555.0
70°	500.0	597.8	606.4	603.6	566.6	529.5	566.6	603.6	606.4	597.8	500.0
72.5°	439.8	511.1	492.1	460.4	390.2	320.0	390.2	460.4	492.1	511.1	439.8
75°	343.1	362.1	279.3	217.7	219.4	221.1	219.4	217.7	279.3	362.1	343.1
77.5°	229.0	243.4	199.6	167.2	168.7	170.3	168.7	167.2	199.6	243.4	229.0
80°	127.1	138.8	137.1	136.0	136.8	137.7	136.8	136.0	137.1	138.8	127.1
82.5°	89.2	97.1	98.8	99.8	98.6	97.4	98.6	99.8	98.8	97.1	89.2
85°	46.3	45.0	38.1	32.5	30.8	29.1	30.8	32.5	38.1	45.0	46.3
87.5°	18.4	19.8	22.6	24.3	25.9	25.1	25.9	24.3	22.6	19.8	18.4
90°	46.3	60.3	74.4	82.5	90.5	86.5	90.5	82.5	74.4	60.3	46.3
92.5°	92.9	116.7	134.0	148.4	154.9	154.1	154.9	148.4	134.0	116.7	92.9
95°	187.1	215.2	243.4	263.5	275.6	271.6	275.6	263.5	243.4	215.2	187.1
97.5°	288.4	326.3	357.6	376.5	388.6	396.7	388.6	376.5	357.6	326.3	288.4
100°	356.0	392.2	428.4	450.6	470.7	478.7	470.7	450.6	428.4	392.2	356.0
102.5°	410.7	458.2	497.6	521.4	538.3	546.3	538.3	521.4	497.6	458.2	410.7
105°	500.9	551.1	593.4	623.6	641.7	647.7	641.7	623.6	593.4	551.1	500.9
107.5°	591.0	642.9	681.9	715.3	737.4	750.3	737.4	715.3	681.9	642.9	591.0
110°	661.8	704.0	746.3	776.4	798.6	806.6	798.6	776.4	746.3	704.0	661.8



TEST NUMBER: P1436043

CATALOG NUMBER: SQ2W-FB-K-150U-100D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	721.3	768.4	810.6	840.8	866.1	877.4	866.1	840.8	810.6	768.4	721.3
115°	804.6	866.9	905.2	933.3	951.4	961.5	951.4	933.3	905.2	866.9	804.6
117.5°	873.8	939.0	980.8	1002.5	1011.0	1018.2	1011.0	1002.5	980.8	939.0	873.8
120°	917.2	977.6	1025.9	1054.0	1064.1	1068.1	1064.1	1054.0	1025.9	977.6	917.2
122.5°	957.5	1014.6	1061.3	1095.9	1112.4	1116.4	1112.4	1095.9	1061.3	1014.6	957.5
125°	1013.8	1068.1	1116.4	1150.6	1168.7	1178.7	1168.7	1150.6	1116.4	1068.1	1013.8
127.5°	1062.9	1121.6	1165.9	1196.8	1214.5	1222.6	1214.5	1196.8	1165.9	1121.6	1062.9
130°	1090.2	1150.6	1194.8	1229.0	1245.1	1253.2	1245.1	1229.0	1194.8	1150.6	1090.2
132.5°	1111.1	1174.7	1220.6	1251.5	1269.2	1277.3	1269.2	1251.5	1220.6	1174.7	1111.1
135°	1136.5	1202.9	1251.1	1281.3	1297.4	1305.5	1297.4	1281.3	1251.1	1202.9	1136.5
137.5°	1158.6	1219.0	1269.2	1301.0	1315.5	1320.7	1315.5	1301.0	1269.2	1219.0	1158.6
140°	1174.7	1227.0	1277.3	1307.5	1323.6	1325.6	1323.6	1307.5	1277.3	1227.0	1174.7
142.5°	1195.6	1236.7	1280.5	1310.7	1326.8	1330.4	1326.8	1310.7	1280.5	1236.7	1195.6
145°	1233.0	1257.2	1287.3	1315.5	1329.6	1333.6	1329.6	1315.5	1287.3	1257.2	1233.0
147.5°	1280.1	1287.8	1303.4	1321.9	1335.6	1338.4	1335.6	1321.9	1303.4	1287.8	1280.1
150°	1315.5	1313.5	1319.5	1331.6	1343.7	1341.7	1343.7	1331.6	1319.5	1313.5	1315.5
152.5°	1355.7	1344.1	1343.7	1349.3	1354.9	1354.5	1354.9	1349.3	1343.7	1344.1	1355.7
155°	1424.1	1402.0	1389.9	1385.9	1385.9	1383.9	1385.9	1385.9	1389.9	1402.0	1424.1
157.5°	1499.4	1468.4	1450.3	1440.6	1437.8	1433.4	1437.8	1440.6	1450.3	1468.4	1499.4
160°	1550.9	1516.7	1498.6	1482.5	1476.4	1470.4	1476.4	1482.5	1498.6	1516.7	1550.9
162.5°	1599.1	1566.5	1546.8	1532.3	1526.3	1517.1	1526.3	1532.3	1546.8	1566.5	1599.1
165°	1677.6	1643.4	1621.3	1609.2	1601.1	1593.1	1601.1	1609.2	1621.3	1643.4	1677.6
167.5°	1756.0	1718.6	1704.1	1690.5	1682.8	1668.3	1682.8	1690.5	1704.1	1718.6	1756.0
170°	1804.3	1770.1	1762.1	1750.0	1735.9	1719.8	1735.9	1750.0	1762.1	1770.1	1804.3
172.5°	1846.1	1823.2	1815.2	1803.1	1798.7	1785.8	1798.7	1803.1	1815.2	1823.2	1846.1
175°	1906.9	1888.8	1888.8	1886.8	1880.7	1868.7	1880.7	1886.8	1888.8	1888.8	1906.9
177.5°	1957.6	1947.9	1954.4	1954.4	1952.7	1941.5	1952.7	1954.4	1954.4	1947.9	1957.6
180°	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4



TEST NUMBER: P1436043

CATALOG NUMBER: SQ2W-FB-K-150U-100D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	403.4	403.4	403.4	403.4
2.5°	423.6	415.5	407.9	400.3
5°	481.0	443.5	417.7	391.8
7.5°	593.2	481.8	429.2	376.7
10°	698.2	509.2	436.0	362.7
12.5°	779.4	546.1	446.7	347.2
15°	870.2	606.4	464.2	322.0
17.5°	943.7	674.6	485.3	296.0
20°	991.8	722.2	499.8	277.4
22.5°	1027.5	757.5	508.9	260.3
25°	1066.1	796.9	516.8	236.6
27.5°	1071.5	805.8	509.8	213.7
30°	1064.8	801.5	500.6	199.8
32.5°	1051.9	791.8	489.6	187.4
35°	1020.9	763.5	466.1	168.7
37.5°	974.0	719.4	436.1	152.8
40°	939.4	686.6	415.1	143.5
42.5°	899.1	648.3	391.3	134.2
45°	832.7	584.2	353.2	122.2
47.5°	761.9	512.3	311.6	110.9
50°	713.8	463.3	284.0	104.7
52.5°	666.7	415.8	257.1	98.5
55°	598.0	349.8	220.5	91.2
57.5°	533.6	293.2	188.9	84.6
60°	493.3	262.5	172.0	81.5
62.5°	453.0	234.4	155.6	76.8
65°	396.3	199.3	135.6	71.8
67.5°	344.5	173.1	118.9	64.8
70°	312.9	160.1	110.1	60.1
72.5°	278.3	146.0	101.5	57.0
75°	222.4	122.8	86.6	50.4
77.5°	156.5	95.3	68.2	41.1
80°	102.2	78.0	56.5	34.9
82.5°	75.3	60.8	44.7	28.7
85°	42.0	36.4	26.9	17.5
87.5°	19.1	17.5	12.5	7.4
90°	36.2	22.1	14.1	6.0
92.5°	78.0	54.3	38.2	22.1
95°	156.9	124.7	88.5	62.4
97.5°	249.8	197.9	162.1	119.1
100°	299.7	249.4	215.2	169.0
102.5°	354.4	312.2	265.1	218.8
105°	452.6	400.3	346.0	293.7
107.5°	543.5	486.0	420.8	373.7
110°	601.4	539.1	470.7	428.4



TEST NUMBER: P1436043

CATALOG NUMBER: SQ2W-FB-K-150U-100D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	657.8	593.8	523.8	481.5
115°	734.2	663.8	599.4	563.2
117.5°	807.8	735.4	667.4	638.8
120°	852.9	780.5	714.1	692.0
122.5°	889.9	819.1	757.5	748.3
125°	945.4	873.0	820.7	832.8
127.5°	990.5	924.1	891.1	918.0
130°	1017.8	959.5	939.4	977.6
132.5°	1041.9	996.5	987.6	1040.3
135°	1078.2	1052.0	1060.1	1132.5
137.5°	1121.2	1111.1	1138.1	1229.4
140°	1148.6	1154.6	1192.8	1295.4
142.5°	1185.6	1199.6	1249.1	1358.2
145°	1243.1	1273.3	1337.6	1446.3
147.5°	1308.3	1347.3	1426.9	1538.4
150°	1351.7	1402.0	1486.5	1593.1
152.5°	1401.6	1453.5	1538.0	1646.2
155°	1478.4	1536.8	1625.3	1717.8
157.5°	1556.9	1616.4	1700.9	1781.8
160°	1605.2	1669.5	1746.0	1820.4
162.5°	1659.9	1719.4	1786.2	1852.6
165°	1739.9	1788.2	1842.5	1898.8
167.5°	1807.1	1847.3	1890.0	1933.8
170°	1850.6	1882.7	1919.0	1953.2
172.5°	1887.6	1913.3	1939.9	1969.2
175°	1937.1	1951.1	1967.2	1985.3
177.5°	1975.3	1980.1	1984.9	1993.0
180°	1991.4	1991.4	1991.4	1991.4



TEST NUMBER: P1436043
 CATALOG NUMBER: SQ2W-FB-K-150U-100D-L935-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	11.77	12.57	12.79	13.61	15.01	21.36	22.17	22.39	23.21	24.60
	3H	12.70	13.42	13.74	14.47	15.88	22.96	23.69	24.00	24.73	26.15
	4H	13.10	13.78	14.15	14.83	16.25	23.14	23.82	24.19	24.87	26.29
	6H	13.35	13.98	14.41	15.03	16.47	23.21	23.84	24.27	24.89	26.33
	8H	13.44	14.04	14.50	15.11	16.54	23.23	23.83	24.29	24.90	26.33
	12H	13.48	14.05	14.56	15.12	16.57	23.20	23.77	24.27	24.84	26.29
4H	2H	16.48	17.16	17.54	18.21	19.63	21.72	22.40	22.78	23.45	24.88
	3H	17.60	18.17	18.67	19.25	20.69	23.60	24.17	24.67	25.25	26.69
	4H	17.88	18.40	18.95	19.47	20.93	23.82	24.34	24.89	25.41	26.87
	6H	18.01	18.46	19.09	19.55	21.00	23.95	24.40	25.03	25.49	26.94
	8H	18.05	18.47	19.13	19.55	21.02	23.99	24.41	25.08	25.50	26.96
	12H	18.05	18.43	19.15	19.53	21.00	23.97	24.35	25.07	25.45	26.92
8H	4H	19.07	19.49	20.15	20.57	22.04	23.91	24.33	24.99	25.41	26.88
	6H	19.32	19.67	20.43	20.80	22.26	24.10	24.45	25.21	25.57	27.04
	8H	19.42	19.72	20.53	20.83	22.32	24.19	24.49	25.30	25.60	27.09
	12H	19.46	19.73	20.58	20.83	22.35	24.19	24.46	25.31	25.56	27.09
12H	4H	19.09	19.47	20.19	20.57	22.04	23.86	24.24	24.96	25.33	26.81
	6H	19.43	19.73	20.54	20.84	22.33	24.08	24.39	25.20	25.50	26.98
	8H	19.56	19.83	20.68	20.93	22.46	24.18	24.45	25.30	25.55	27.07