

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: P1436042

Luminaire Tested: SQ2W-FB-K-150U-100D-L930-UNV-STD-W-WM-4

Issue Date: 3/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1436042
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-L930-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - FROSTED CONTINUOUS BATWING ROLL LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1000 LUMENS PER FOOT
UPLIGHT 1500 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

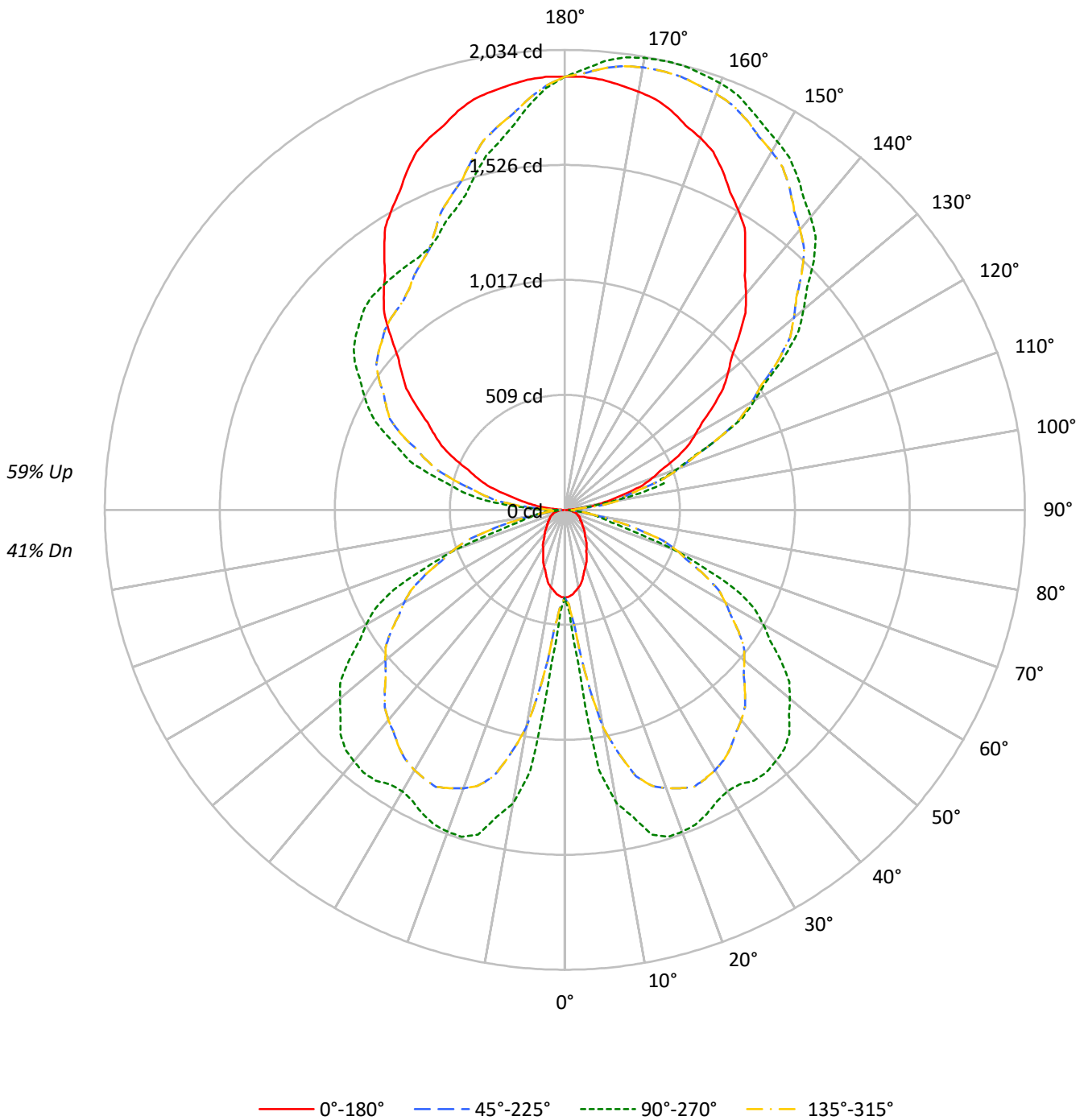
Lumens per Lamp: N/A
Luminaire Lumens: 9432.5 lumens
Efficiency: N/A
Efficacy: 101.8 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 2.98 / 2.52
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 92.7
Input Voltage (V): 120
Input Current (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





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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°	6264	6264	6264	6264
5°	6107	11095	6107	11095
10°	5718	21592	5718	21592
15°	5177	24852	5177	24852
20°	4584	26027	4584	26027
25°	4055	26453	4055	26453
30°	3581	26779	3581	26779
35°	3199	28791	3199	28791
40°	2909	30588	2909	30588
45°	2683	32030	2683	32030
50°	2529	32613	2529	32613
55°	2469	32872	2469	32872
60°	2528	32708	2528	32708
65°	2636	31785	2636	31785
70°	2729	24042	2729	24042
75°	3026	13269	3026	13269
80°	3124	12310	3124	12310
85°	3112	5187	3112	5187

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 52.5°
 Luminance: 33168 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.0	0.7
10°-20°	296.6	3.1
20°-30°	522.0	5.5
30°-40°	675.7	7.2
40°-50°	745.2	7.9
50°-60°	695.5	7.4
60°-70°	537.3	5.7
70°-80°	247.7	2.6
80°-90°	55.3	0.6
90°-100°	152.4	1.6
100°-110°	444.5	4.7
110°-120°	725.4	7.7
120°-130°	920.5	9.8
130°-140°	985.0	10.4
140°-150°	919.8	9.8
150°-160°	756.8	8.0
160°-170°	507.6	5.4
170°-180°	180.2	1.9
0°-30°	883.6	9.4
0°-40°	1559.3	16.5
0°-60°	2999.9	31.8
0°-90°	3840.2	40.7
90°-120°	1322.4	14.0
90°-150°	4147.7	44.0
90°-180°	5592.0	59.3
0°-180°	9432.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	388	388	388	388	388	
5°	377	685	377	685	377	35
15°	310	1487	310	1487	310	86
25°	228	1485	228	1485	228	105
35°	162	1461	162	1461	162	102
45°	118	1403	118	1403	118	91
55°	88	1168	88	1168	88	79
65°	69	832	69	832	69	68
75°	48	213	48	213	48	50
85°	17	28	17	28	17	18
90°	6	43	6	83	6	5
95°	60	44	60	261	60	72
105°	282	453	282	623	282	300
115°	542	751	542	925	542	534
125°	801	1190	801	1134	801	717
135°	1089	1557	1089	1256	1089	842
145°	1391	1795	1391	1283	1391	870
155°	1652	1950	1652	1331	1652	759
165°	1826	2033	1826	1532	1826	514
175°	1910	1991	1910	1797	1910	181
180°	1915	1915	1915	1915	1915	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	388.0	388.0	388.0	388.0	388.0	388.0	388.0	388.0	388.0	388.0	388.0
2.5°	385.0	392.3	399.6	407.4	415.4	424.0	433.3	441.2	445.2	449.2	445.2
5°	376.8	401.7	426.6	462.6	502.4	547.6	598.2	641.5	663.1	684.6	663.1
7.5°	362.3	412.8	463.4	570.6	696.6	827.4	963.1	1075.6	1118.7	1161.8	1118.7
10°	348.8	419.3	489.8	671.6	890.5	1058.8	1176.5	1270.6	1293.8	1317.0	1293.8
12.5°	333.9	429.6	525.3	749.7	1017.0	1191.9	1274.5	1342.4	1366.3	1390.1	1366.3
15°	309.7	446.5	583.3	837.0	1129.6	1309.6	1376.7	1433.7	1460.2	1486.8	1460.2
17.5°	284.7	466.7	648.8	907.6	1192.0	1367.4	1433.9	1487.4	1501.8	1516.3	1501.8
20°	266.8	480.7	694.6	953.9	1228.3	1394.1	1451.3	1496.5	1505.6	1514.8	1505.6
22.5°	250.3	489.5	728.6	988.2	1254.7	1409.5	1452.8	1487.7	1497.5	1507.3	1497.5
25°	227.6	497.0	766.5	1025.4	1280.7	1422.1	1449.5	1471.6	1478.3	1484.9	1478.3
27.5°	205.6	490.3	775.0	1030.6	1276.5	1408.4	1426.3	1441.4	1447.9	1454.3	1447.9
30°	192.1	481.5	770.9	1024.1	1265.4	1392.7	1405.9	1418.2	1427.3	1436.4	1427.3
32.5°	180.2	470.9	761.6	1011.7	1248.3	1372.9	1385.5	1399.9	1419.7	1439.4	1419.7
35°	162.3	448.3	734.4	981.9	1216.5	1343.8	1363.7	1387.7	1424.2	1460.7	1424.2
37.5°	147.0	419.4	691.9	936.8	1172.6	1311.3	1353.0	1393.0	1428.1	1463.3	1428.1
40°	138.0	399.2	660.4	903.5	1140.6	1287.0	1342.5	1391.6	1421.5	1451.3	1421.5
42.5°	129.1	376.3	623.6	864.7	1103.8	1255.8	1320.6	1376.7	1406.6	1436.4	1406.6
45°	117.5	339.7	561.9	800.9	1045.5	1205.9	1282.2	1346.5	1374.6	1402.8	1374.6
47.5°	106.7	299.7	492.7	732.8	988.4	1156.8	1237.7	1303.5	1324.1	1344.6	1324.1
50°	100.7	273.2	445.6	686.5	950.1	1121.8	1201.4	1265.2	1281.8	1298.4	1281.8
52.5°	94.8	247.3	399.9	641.2	912.2	1085.1	1160.1	1220.1	1235.4	1250.6	1235.4
55°	87.7	212.0	336.4	575.2	852.1	1023.3	1088.8	1141.3	1154.5	1167.8	1154.5
57.5°	81.3	181.7	282.0	513.3	788.2	953.6	1009.5	1054.1	1064.9	1075.6	1064.9
60°	78.3	165.4	252.5	474.5	741.4	900.2	950.8	991.4	1002.2	1012.9	1002.2
62.5°	73.9	149.7	225.4	435.6	690.7	841.5	888.1	925.6	935.7	945.8	935.7
65°	69.0	130.4	191.7	381.2	613.3	748.9	787.8	818.7	825.4	832.0	825.4
67.5°	62.3	114.4	166.4	331.3	533.8	647.1	671.3	686.4	673.9	661.5	673.9
70°	57.8	105.9	154.0	301.0	480.9	575.0	583.3	580.6	544.9	509.3	544.9
72.5°	54.8	97.6	140.4	267.6	423.0	491.6	473.3	442.8	375.3	307.8	375.3
75°	48.5	83.3	118.1	213.9	330.0	348.2	268.6	209.3	211.0	212.7	211.0
77.5°	39.5	65.6	91.6	150.5	220.3	234.1	192.0	160.8	162.3	163.8	162.3
80°	33.6	54.3	75.0	98.2	122.3	133.5	131.8	130.8	131.6	132.4	131.6
82.5°	27.6	43.0	58.5	72.4	85.8	93.4	95.0	96.0	94.8	93.6	94.8
85°	16.8	25.9	35.0	40.4	44.6	43.3	36.7	31.3	29.6	28.0	29.6
87.5°	7.1	12.0	17.2	17.6	16.1	15.2	15.2	15.6	16.0	16.0	16.0
90°	5.8	13.5	23.2	31.0	36.8	38.7	38.7	40.6	42.6	42.6	42.6
92.5°	21.3	33.7	34.0	34.0	41.4	44.9	48.0	48.4	50.3	50.3	50.3
95°	60.0	65.8	98.7	96.7	65.8	52.2	44.5	44.5	44.5	44.5	44.5
97.5°	114.5	123.0	128.5	172.2	181.9	175.7	143.2	120.3	107.6	101.8	107.6
100°	162.5	166.4	178.0	179.9	228.3	274.7	251.5	222.5	212.8	207.0	212.8
102.5°	210.5	212.8	230.6	238.7	250.0	276.3	356.7	347.8	341.3	340.1	341.3
105°	282.5	284.4	317.3	332.8	340.5	340.5	338.6	377.3	439.2	452.7	439.2
107.5°	359.5	368.4	407.0	448.4	457.3	459.7	449.6	443.8	441.5	443.0	441.5
110°	412.1	425.6	472.1	524.3	537.8	541.7	537.8	532.0	528.2	528.2	528.2



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	463.2	482.9	535.5	595.5	618.3	629.9	621.4	617.2	613.3	616.4	613.3
115°	541.7	570.7	640.4	702.3	748.7	754.5	752.6	752.6	750.6	750.6	750.6
117.5°	614.4	660.9	739.0	811.0	864.8	880.3	888.0	885.7	883.4	887.2	883.4
120°	665.5	719.7	808.7	889.9	942.2	965.4	973.1	969.3	973.1	969.3	973.1
122.5°	719.7	786.2	873.7	958.0	1019.6	1045.9	1055.2	1055.9	1056.7	1054.4	1056.7
125°	800.9	882.2	984.7	1071.8	1135.6	1166.6	1174.3	1176.3	1180.1	1189.8	1180.1
127.5°	883.0	975.1	1087.7	1171.6	1237.0	1274.5	1286.5	1290.8	1298.9	1303.2	1298.9
130°	940.2	1044.7	1158.8	1238.2	1302.0	1342.6	1363.9	1369.7	1379.4	1377.5	1379.4
132.5°	1000.6	1109.7	1225.4	1307.8	1367.0	1410.7	1428.9	1445.6	1449.0	1451.8	1449.0
135°	1089.2	1207.2	1323.3	1404.5	1460.7	1503.2	1526.4	1541.9	1551.6	1557.4	1551.6
137.5°	1182.5	1307.0	1418.5	1490.8	1547.3	1584.1	1610.4	1626.6	1636.7	1641.3	1636.7
140°	1245.9	1365.9	1474.2	1549.6	1599.9	1636.7	1659.9	1679.3	1690.9	1690.9	1690.9
142.5°	1306.3	1424.7	1529.9	1605.4	1649.5	1683.1	1707.9	1722.6	1735.8	1735.8	1735.8
145°	1391.0	1509.0	1605.8	1681.2	1718.0	1748.9	1776.0	1787.6	1795.3	1795.3	1795.3
147.5°	1479.6	1584.1	1672.3	1744.7	1775.6	1812.0	1833.3	1842.6	1852.2	1848.0	1852.2
150°	1532.2	1629.0	1714.1	1781.8	1812.8	1847.6	1868.9	1876.6	1886.3	1880.5	1886.3
152.5°	1583.3	1675.4	1752.8	1815.9	1842.2	1877.0	1901.4	1909.1	1915.7	1911.4	1915.7
155°	1652.2	1733.4	1805.0	1863.1	1886.3	1919.2	1942.4	1952.1	1959.8	1950.1	1959.8
157.5°	1713.7	1783.7	1846.0	1899.4	1924.2	1952.4	1974.1	1986.1	1993.8	1989.6	1993.8
160°	1750.8	1814.7	1870.8	1921.1	1944.3	1969.5	1992.7	2006.2	2014.0	2008.2	2014.0
162.5°	1781.8	1839.5	1892.5	1938.1	1958.2	1980.3	2008.2	2020.2	2027.9	2020.5	2027.9
165°	1826.3	1872.7	1919.2	1957.9	1975.3	1992.7	2021.7	2035.2	2041.0	2033.3	2041.0
167.5°	1860.0	1895.6	1933.1	1966.4	1979.1	1996.2	2025.2	2036.4	2043.8	2034.1	2043.8
170°	1878.5	1909.5	1942.4	1969.5	1979.1	1994.6	2023.6	2033.3	2039.1	2029.4	2039.1
172.5°	1894.0	1917.2	1943.9	1967.9	1972.9	1985.3	2012.8	2022.5	2026.7	2018.6	2026.7
175°	1909.5	1923.0	1942.4	1957.9	1955.9	1963.7	1986.9	1994.6	2002.4	1990.7	2002.4
177.5°	1916.8	1923.0	1929.2	1938.5	1932.3	1932.3	1949.3	1954.0	1955.5	1949.3	1955.5
180°	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	388.0	388.0	388.0	388.0	388.0	388.0	388.0	388.0	388.0	388.0	388.0
2.5°	441.2	433.3	424.0	415.4	407.4	399.6	392.3	385.0	392.3	399.6	407.4
5°	641.5	598.2	547.6	502.4	462.6	426.6	401.7	376.8	401.7	426.6	462.6
7.5°	1075.6	963.1	827.4	696.6	570.6	463.4	412.8	362.3	412.8	463.4	570.6
10°	1270.6	1176.5	1058.8	890.5	671.6	489.8	419.3	348.8	419.3	489.8	671.6
12.5°	1342.4	1274.5	1191.9	1017.0	749.7	525.3	429.6	333.9	429.6	525.3	749.7
15°	1433.7	1376.7	1309.6	1129.6	837.0	583.3	446.5	309.7	446.5	583.3	837.0
17.5°	1487.4	1433.9	1367.4	1192.0	907.6	648.8	466.7	284.7	466.7	648.8	907.6
20°	1496.5	1451.3	1394.1	1228.3	953.9	694.6	480.7	266.8	480.7	694.6	953.9
22.5°	1487.7	1452.8	1409.5	1254.7	988.2	728.6	489.5	250.3	489.5	728.6	988.2
25°	1471.6	1449.5	1422.1	1280.7	1025.4	766.5	497.0	227.6	497.0	766.5	1025.4
27.5°	1441.4	1426.3	1408.4	1276.5	1030.6	775.0	490.3	205.6	490.3	775.0	1030.6
30°	1418.2	1405.9	1392.7	1265.4	1024.1	770.9	481.5	192.1	481.5	770.9	1024.1
32.5°	1399.9	1385.5	1372.9	1248.3	1011.7	761.6	470.9	180.2	470.9	761.6	1011.7
35°	1387.7	1363.7	1343.8	1216.5	981.9	734.4	448.3	162.3	448.3	734.4	981.9
37.5°	1393.0	1353.0	1311.3	1172.6	936.8	691.9	419.4	147.0	419.4	691.9	936.8
40°	1391.6	1342.5	1287.0	1140.6	903.5	660.4	399.2	138.0	399.2	660.4	903.5
42.5°	1376.7	1320.6	1255.8	1103.8	864.7	623.6	376.3	129.1	376.3	623.6	864.7
45°	1346.5	1282.2	1205.9	1045.5	800.9	561.9	339.7	117.5	339.7	561.9	800.9
47.5°	1303.5	1237.7	1156.8	988.4	732.8	492.7	299.7	106.7	299.7	492.7	732.8
50°	1265.2	1201.4	1121.8	950.1	686.5	445.6	273.2	100.7	273.2	445.6	686.5
52.5°	1220.1	1160.1	1085.1	912.2	641.2	399.9	247.3	94.8	247.3	399.9	641.2
55°	1141.3	1088.8	1023.3	852.1	575.2	336.4	212.0	87.7	212.0	336.4	575.2
57.5°	1054.1	1009.5	953.6	788.2	513.3	282.0	181.7	81.3	181.7	282.0	513.3
60°	991.4	950.8	900.2	741.4	474.5	252.5	165.4	78.3	165.4	252.5	474.5
62.5°	925.6	888.1	841.5	690.7	435.6	225.4	149.7	73.9	149.7	225.4	435.6
65°	818.7	787.8	748.9	613.3	381.2	191.7	130.4	69.0	130.4	191.7	381.2
67.5°	686.4	671.3	647.1	533.8	331.3	166.4	114.4	62.3	114.4	166.4	331.3
70°	580.6	583.3	575.0	480.9	301.0	154.0	105.9	57.8	105.9	154.0	301.0
72.5°	442.8	473.3	491.6	423.0	267.6	140.4	97.6	54.8	97.6	140.4	267.6
75°	209.3	268.6	348.2	330.0	213.9	118.1	83.3	48.5	83.3	118.1	213.9
77.5°	160.8	192.0	234.1	220.3	150.5	91.6	65.6	39.5	65.6	91.6	150.5
80°	130.8	131.8	133.5	122.3	98.2	75.0	54.3	33.6	54.3	75.0	98.2
82.5°	96.0	95.0	93.4	85.8	72.4	58.5	43.0	27.6	43.0	58.5	72.4
85°	31.3	36.7	43.3	44.6	40.4	35.0	25.9	16.8	25.9	35.0	40.4
87.5°	15.6	15.2	15.2	16.1	17.6	17.2	12.0	7.1	12.0	16.9	18.4
90°	40.6	38.7	38.7	36.8	31.0	23.2	13.5	5.8	13.5	21.3	34.8
92.5°	48.4	48.0	44.9	41.4	34.0	34.0	33.7	21.3	36.8	52.2	75.1
95°	44.5	44.5	52.2	65.8	96.7	98.7	65.8	60.0	85.1	119.9	150.9
97.5°	120.3	143.2	175.7	181.9	172.2	128.5	123.0	114.5	155.9	190.4	240.3
100°	222.5	251.5	274.7	228.3	179.9	178.0	166.4	162.5	207.0	239.9	288.3
102.5°	347.8	356.7	276.3	250.0	238.7	230.6	212.8	210.5	255.0	300.3	340.9
105°	377.3	338.6	340.5	340.5	332.8	317.3	284.4	282.5	332.8	385.0	435.3
107.5°	443.8	449.6	459.7	457.3	448.4	407.0	368.4	359.5	404.7	467.4	522.7
110°	532.0	537.8	541.7	537.8	524.3	472.1	425.6	412.1	452.7	518.5	578.5



TEST NUMBER: P1436042

CATALOG NUMBER: SQ2W-FB-K-150U-100D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	617.2	621.4	629.9	618.3	595.5	535.5	482.9	463.2	503.8	571.1	632.6
115°	752.6	752.6	754.5	748.7	702.3	640.4	570.7	541.7	576.5	638.4	706.1
117.5°	885.7	888.0	880.3	864.8	811.0	739.0	660.9	614.4	641.9	707.3	777.0
120°	969.3	973.1	965.4	942.2	889.9	808.7	719.7	665.5	686.8	750.6	820.3
122.5°	1055.9	1055.2	1045.9	1019.6	958.0	873.7	786.2	719.7	728.6	787.8	855.9
125°	1176.3	1174.3	1166.6	1135.6	1071.8	984.7	882.2	800.9	789.3	839.6	909.3
127.5°	1290.8	1286.5	1274.5	1237.0	1171.6	1087.7	975.1	883.0	857.0	888.8	952.6
130°	1369.7	1363.9	1342.6	1302.0	1238.2	1158.8	1044.7	940.2	903.5	922.8	978.9
132.5°	1445.6	1428.9	1410.7	1367.0	1307.8	1225.4	1109.7	1000.6	949.9	958.4	1002.1
135°	1541.9	1526.4	1503.2	1460.7	1404.5	1323.3	1207.2	1089.2	1019.6	1011.8	1037.0
137.5°	1626.6	1610.4	1584.1	1547.3	1490.8	1418.5	1307.0	1182.5	1094.6	1068.7	1078.4
140°	1679.3	1659.9	1636.7	1599.9	1549.6	1474.2	1365.9	1245.9	1147.2	1110.5	1104.7
142.5°	1722.6	1707.9	1683.1	1649.5	1605.4	1529.9	1424.7	1306.3	1201.4	1153.8	1140.3
145°	1787.6	1776.0	1748.9	1718.0	1681.2	1605.8	1509.0	1391.0	1286.5	1224.6	1195.6
147.5°	1842.6	1833.3	1812.0	1775.6	1744.7	1672.3	1584.1	1479.6	1372.4	1295.8	1258.3
150°	1876.6	1868.9	1847.6	1812.8	1781.8	1714.1	1629.0	1532.2	1429.7	1348.4	1300.1
152.5°	1909.1	1901.4	1877.0	1842.2	1815.9	1752.8	1675.4	1583.3	1479.2	1398.0	1348.1
155°	1952.1	1942.4	1919.2	1886.3	1863.1	1805.0	1733.4	1652.2	1563.2	1478.1	1422.0
157.5°	1986.1	1974.1	1952.4	1924.2	1899.4	1846.0	1783.7	1713.7	1635.9	1554.7	1497.4
160°	2006.2	1992.7	1969.5	1944.3	1921.1	1870.8	1814.7	1750.8	1679.3	1605.8	1543.8
162.5°	2020.2	2008.2	1980.3	1958.2	1938.1	1892.5	1839.5	1781.8	1718.0	1653.7	1596.5
165°	2035.2	2021.7	1992.7	1975.3	1957.9	1919.2	1872.7	1826.3	1772.1	1719.9	1673.5
167.5°	2036.4	2025.2	1996.2	1979.1	1966.4	1933.1	1895.6	1860.0	1817.8	1776.8	1738.1
170°	2033.3	2023.6	1994.6	1979.1	1969.5	1942.4	1909.5	1878.5	1845.6	1810.8	1779.9
172.5°	2022.5	2012.8	1985.3	1972.9	1967.9	1943.9	1917.2	1894.0	1865.8	1840.2	1815.5
175°	1994.6	1986.9	1963.7	1955.9	1957.9	1942.4	1923.0	1909.5	1892.1	1876.6	1863.1
177.5°	1954.0	1949.3	1932.3	1932.3	1938.5	1929.2	1923.0	1916.8	1909.1	1904.5	1899.8
180°	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3



TEST NUMBER: P1436042

CATALOG NUMBER: SQ2W-FB-K-150U-100D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	388.0	388.0	388.0	388.0	388.0	388.0	388.0	388.0	388.0	388.0	388.0
2.5°	415.4	424.0	433.3	441.2	445.2	449.2	445.2	441.2	433.3	424.0	415.4
5°	502.4	547.6	598.2	641.5	663.1	684.6	663.1	641.5	598.2	547.6	502.4
7.5°	696.6	827.4	963.1	1075.6	1118.7	1161.8	1118.7	1075.6	963.1	827.4	696.6
10°	890.5	1058.8	1176.5	1270.6	1293.8	1317.0	1293.8	1270.6	1176.5	1058.8	890.5
12.5°	1017.0	1191.9	1274.5	1342.4	1366.3	1390.1	1366.3	1342.4	1274.5	1191.9	1017.0
15°	1129.6	1309.6	1376.7	1433.7	1460.2	1486.8	1460.2	1433.7	1376.7	1309.6	1129.6
17.5°	1192.0	1367.4	1433.9	1487.4	1501.8	1516.3	1501.8	1487.4	1433.9	1367.4	1192.0
20°	1228.3	1394.1	1451.3	1496.5	1505.6	1514.8	1505.6	1496.5	1451.3	1394.1	1228.3
22.5°	1254.7	1409.5	1452.8	1487.7	1497.5	1507.3	1497.5	1487.7	1452.8	1409.5	1254.7
25°	1280.7	1422.1	1449.5	1471.6	1478.3	1484.9	1478.3	1471.6	1449.5	1422.1	1280.7
27.5°	1276.5	1408.4	1426.3	1441.4	1447.9	1454.3	1447.9	1441.4	1426.3	1408.4	1276.5
30°	1265.4	1392.7	1405.9	1418.2	1427.3	1436.4	1427.3	1418.2	1405.9	1392.7	1265.4
32.5°	1248.3	1372.9	1385.5	1399.9	1419.7	1439.4	1419.7	1399.9	1385.5	1372.9	1248.3
35°	1216.5	1343.8	1363.7	1387.7	1424.2	1460.7	1424.2	1387.7	1363.7	1343.8	1216.5
37.5°	1172.6	1311.3	1353.0	1393.0	1428.1	1463.3	1428.1	1393.0	1353.0	1311.3	1172.6
40°	1140.6	1287.0	1342.5	1391.6	1421.5	1451.3	1421.5	1391.6	1342.5	1287.0	1140.6
42.5°	1103.8	1255.8	1320.6	1376.7	1406.6	1436.4	1406.6	1376.7	1320.6	1255.8	1103.8
45°	1045.5	1205.9	1282.2	1346.5	1374.6	1402.8	1374.6	1346.5	1282.2	1205.9	1045.5
47.5°	988.4	1156.8	1237.7	1303.5	1324.1	1344.6	1324.1	1303.5	1237.7	1156.8	988.4
50°	950.1	1121.8	1201.4	1265.2	1281.8	1298.4	1281.8	1265.2	1201.4	1121.8	950.1
52.5°	912.2	1085.1	1160.1	1220.1	1235.4	1250.6	1235.4	1220.1	1160.1	1085.1	912.2
55°	852.1	1023.3	1088.8	1141.3	1154.5	1167.8	1154.5	1141.3	1088.8	1023.3	852.1
57.5°	788.2	953.6	1009.5	1054.1	1064.9	1075.6	1064.9	1054.1	1009.5	953.6	788.2
60°	741.4	900.2	950.8	991.4	1002.2	1012.9	1002.2	991.4	950.8	900.2	741.4
62.5°	690.7	841.5	888.1	925.6	935.7	945.8	935.7	925.6	888.1	841.5	690.7
65°	613.3	748.9	787.8	818.7	825.4	832.0	825.4	818.7	787.8	748.9	613.3
67.5°	533.8	647.1	671.3	686.4	673.9	661.5	673.9	686.4	671.3	647.1	533.8
70°	480.9	575.0	583.3	580.6	544.9	509.3	544.9	580.6	583.3	575.0	480.9
72.5°	423.0	491.6	473.3	442.8	375.3	307.8	375.3	442.8	473.3	491.6	423.0
75°	330.0	348.2	268.6	209.3	211.0	212.7	211.0	209.3	268.6	348.2	330.0
77.5°	220.3	234.1	192.0	160.8	162.3	163.8	162.3	160.8	192.0	234.1	220.3
80°	122.3	133.5	131.8	130.8	131.6	132.4	131.6	130.8	133.5	131.8	122.3
82.5°	85.8	93.4	95.0	96.0	94.8	93.6	94.8	96.0	95.0	93.4	85.8
85°	44.6	43.3	36.7	31.3	29.6	28.0	29.6	31.3	36.7	43.3	44.6
87.5°	17.7	19.1	21.8	23.3	24.9	24.1	24.9	23.3	21.8	19.1	17.7
90°	44.5	58.0	71.6	79.3	87.1	83.2	87.1	79.3	71.6	58.0	44.5
92.5°	89.4	112.2	128.8	142.8	149.0	148.2	149.0	142.8	128.8	112.2	89.4
95°	179.9	207.0	234.1	253.4	265.0	261.2	265.0	253.4	234.1	207.0	179.9
97.5°	277.4	313.8	344.0	362.2	373.8	381.5	373.8	362.2	344.0	313.8	277.4
100°	342.4	377.3	412.1	433.4	452.7	460.4	452.7	433.4	412.1	377.3	342.4
102.5°	395.1	440.7	478.6	501.5	517.7	525.4	517.7	501.5	478.6	440.7	395.1
105°	481.7	530.1	570.7	599.7	617.2	623.0	617.2	599.7	570.7	530.1	481.7
107.5°	568.4	618.3	655.8	688.0	709.2	721.6	709.2	688.0	655.8	618.3	568.4
110°	636.5	677.1	717.8	746.8	768.1	775.8	768.1	746.8	717.8	677.1	636.5



TEST NUMBER: P1436042

CATALOG NUMBER: SQ2W-FB-K-150U-100D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	693.8	739.0	779.7	808.7	833.1	843.9	833.1	808.7	779.7	739.0	693.8
115°	773.9	833.8	870.6	897.7	915.1	924.8	915.1	897.7	870.6	833.8	773.9
117.5°	840.4	903.1	943.3	964.2	972.4	979.3	972.4	964.2	943.3	903.1	840.4
120°	882.2	940.2	986.7	1013.8	1023.4	1027.3	1023.4	1013.8	986.7	940.2	882.2
122.5°	920.9	975.8	1020.7	1054.0	1069.9	1073.7	1069.9	1054.0	1020.7	975.8	920.9
125°	975.1	1027.3	1073.7	1106.6	1124.0	1133.7	1124.0	1106.6	1073.7	1027.3	975.1
127.5°	1022.3	1078.8	1121.3	1151.1	1168.1	1175.9	1168.1	1151.1	1121.3	1078.8	1022.3
130°	1048.6	1106.6	1149.2	1182.1	1197.5	1205.3	1197.5	1182.1	1149.2	1106.6	1048.6
132.5°	1068.7	1129.8	1173.9	1203.7	1220.8	1228.5	1220.8	1203.7	1173.9	1129.8	1068.7
135°	1093.1	1156.9	1203.3	1232.4	1247.8	1255.6	1247.8	1232.4	1203.3	1156.9	1093.1
137.5°	1114.4	1172.4	1220.8	1251.3	1265.3	1270.3	1265.3	1251.3	1220.8	1172.4	1114.4
140°	1129.8	1180.1	1228.5	1257.5	1273.0	1274.9	1273.0	1257.5	1228.5	1180.1	1129.8
142.5°	1150.0	1189.4	1231.6	1260.6	1276.1	1279.6	1276.1	1260.6	1231.6	1189.4	1150.0
145°	1185.9	1209.2	1238.2	1265.3	1278.8	1282.7	1278.8	1265.3	1238.2	1209.2	1185.9
147.5°	1231.2	1238.6	1253.6	1271.4	1284.6	1287.3	1284.6	1271.4	1253.6	1238.6	1231.2
150°	1265.3	1263.3	1269.1	1280.7	1292.3	1290.4	1292.3	1280.7	1269.1	1263.3	1265.3
152.5°	1303.9	1292.7	1292.3	1297.8	1303.2	1302.8	1303.2	1297.8	1292.3	1292.7	1303.9
155°	1369.7	1348.4	1336.8	1333.0	1333.0	1331.0	1333.0	1333.0	1336.8	1348.4	1369.7
157.5°	1442.1	1412.3	1394.9	1385.6	1382.9	1378.6	1382.9	1385.6	1394.9	1412.3	1442.1
160°	1491.6	1458.7	1441.3	1425.8	1420.0	1414.2	1420.0	1425.8	1441.3	1458.7	1491.6
162.5°	1538.0	1506.7	1487.7	1473.8	1468.0	1459.1	1468.0	1473.8	1487.7	1506.7	1538.0
165°	1613.5	1580.6	1559.3	1547.7	1540.0	1532.2	1540.0	1547.7	1559.3	1580.6	1613.5
167.5°	1688.9	1653.0	1639.0	1625.9	1618.5	1604.6	1618.5	1625.9	1639.0	1653.0	1688.9
170°	1735.4	1702.5	1694.7	1683.1	1669.6	1654.1	1669.6	1683.1	1694.7	1702.5	1735.4
172.5°	1775.6	1753.6	1745.8	1734.2	1730.0	1717.6	1730.0	1734.2	1745.8	1753.6	1775.6
175°	1834.0	1816.6	1816.6	1814.7	1808.9	1797.3	1808.9	1814.7	1816.6	1816.6	1834.0
177.5°	1882.8	1873.5	1879.7	1879.7	1878.1	1867.3	1878.1	1879.7	1879.7	1873.5	1882.8
180°	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3



TEST NUMBER: P1436042

CATALOG NUMBER: SQ2W-FB-K-150U-100D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	388.0	388.0	388.0	388.0
2.5°	407.4	399.6	392.3	385.0
5°	462.6	426.6	401.7	376.8
7.5°	570.6	463.4	412.8	362.3
10°	671.6	489.8	419.3	348.8
12.5°	749.7	525.3	429.6	333.9
15°	837.0	583.3	446.5	309.7
17.5°	907.6	648.8	466.7	284.7
20°	953.9	694.6	480.7	266.8
22.5°	988.2	728.6	489.5	250.3
25°	1025.4	766.5	497.0	227.6
27.5°	1030.6	775.0	490.3	205.6
30°	1024.1	770.9	481.5	192.1
32.5°	1011.7	761.6	470.9	180.2
35°	981.9	734.4	448.3	162.3
37.5°	936.8	691.9	419.4	147.0
40°	903.5	660.4	399.2	138.0
42.5°	864.7	623.6	376.3	129.1
45°	800.9	561.9	339.7	117.5
47.5°	732.8	492.7	299.7	106.7
50°	686.5	445.6	273.2	100.7
52.5°	641.2	399.9	247.3	94.8
55°	575.2	336.4	212.0	87.7
57.5°	513.3	282.0	181.7	81.3
60°	474.5	252.5	165.4	78.3
62.5°	435.6	225.4	149.7	73.9
65°	381.2	191.7	130.4	69.0
67.5°	331.3	166.4	114.4	62.3
70°	301.0	154.0	105.9	57.8
72.5°	267.6	140.4	97.6	54.8
75°	213.9	118.1	83.3	48.5
77.5°	150.5	91.6	65.6	39.5
80°	98.2	75.0	54.3	33.6
82.5°	72.4	58.5	43.0	27.6
85°	40.4	35.0	25.9	16.8
87.5°	18.4	16.9	12.0	7.1
90°	34.8	21.3	13.5	5.8
92.5°	75.1	52.2	36.8	21.3
95°	150.9	119.9	85.1	60.0
97.5°	240.3	190.4	155.9	114.5
100°	288.3	239.9	207.0	162.5
102.5°	340.9	300.3	255.0	210.5
105°	435.3	385.0	332.8	282.5
107.5°	522.7	467.4	404.7	359.5
110°	578.5	518.5	452.7	412.1



TEST NUMBER: P1436042

CATALOG NUMBER: SQ2W-FB-K-150U-100D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	632.6	571.1	503.8	463.2
115°	706.1	638.4	576.5	541.7
117.5°	777.0	707.3	641.9	614.4
120°	820.3	750.6	686.8	665.5
122.5°	855.9	787.8	728.6	719.7
125°	909.3	839.6	789.3	800.9
127.5°	952.6	888.8	857.0	883.0
130°	978.9	922.8	903.5	940.2
132.5°	1002.1	958.4	949.9	1000.6
135°	1037.0	1011.8	1019.6	1089.2
137.5°	1078.4	1068.7	1094.6	1182.5
140°	1104.7	1110.5	1147.2	1245.9
142.5°	1140.3	1153.8	1201.4	1306.3
145°	1195.6	1224.6	1286.5	1391.0
147.5°	1258.3	1295.8	1372.4	1479.6
150°	1300.1	1348.4	1429.7	1532.2
152.5°	1348.1	1398.0	1479.2	1583.3
155°	1422.0	1478.1	1563.2	1652.2
157.5°	1497.4	1554.7	1635.9	1713.7
160°	1543.8	1605.8	1679.3	1750.8
162.5°	1596.5	1653.7	1718.0	1781.8
165°	1673.5	1719.9	1772.1	1826.3
167.5°	1738.1	1776.8	1817.8	1860.0
170°	1779.9	1810.8	1845.6	1878.5
172.5°	1815.5	1840.2	1865.8	1894.0
175°	1863.1	1876.6	1892.1	1909.5
177.5°	1899.8	1904.5	1909.1	1916.8
180°	1915.3	1915.3	1915.3	1915.3



TEST NUMBER: P1436042
 CATALOG NUMBER: SQ2W-FB-K-150U-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	11.63	12.44	12.66	13.47	14.87	21.23	22.03	22.26	23.07	24.47
	3H	12.57	13.29	13.60	14.33	15.75	22.83	23.55	23.87	24.60	26.01
	4H	12.96	13.64	14.01	14.69	16.12	23.00	23.69	24.05	24.74	26.16
	6H	13.21	13.84	14.27	14.89	16.33	23.08	23.70	24.14	24.76	26.19
	8H	13.30	13.90	14.37	14.97	16.40	23.09	23.69	24.16	24.76	26.19
	12H	13.35	13.92	14.42	14.98	16.44	23.07	23.64	24.14	24.70	26.16
4H	2H	16.34	17.03	17.40	18.08	19.50	21.59	22.27	22.64	23.32	24.74
	3H	17.47	18.04	18.53	19.11	20.55	23.47	24.04	24.53	25.12	26.55
	4H	17.75	18.27	18.82	19.34	20.79	23.69	24.21	24.76	25.28	26.74
	6H	17.88	18.33	18.96	19.42	20.87	23.81	24.26	24.90	25.36	26.81
	8H	17.91	18.33	19.00	19.42	20.89	23.86	24.28	24.94	25.36	26.83
	12H	17.91	18.29	19.01	19.39	20.86	23.84	24.22	24.94	25.31	26.79
8H	4H	18.93	19.35	20.01	20.44	21.90	23.77	24.19	24.85	25.28	26.74
	6H	19.19	19.53	20.29	20.66	22.12	23.97	24.31	25.07	25.44	26.90
	8H	19.29	19.59	20.40	20.70	22.18	24.06	24.36	25.17	25.47	26.95
	12H	19.32	19.59	20.44	20.70	22.22	24.06	24.32	25.17	25.43	26.95
12H	4H	18.95	19.33	20.05	20.43	21.90	23.72	24.10	24.82	25.20	26.67
	6H	19.29	19.60	20.41	20.71	22.19	23.95	24.25	25.06	25.36	26.85
	8H	19.43	19.69	20.54	20.80	22.32	24.05	24.31	25.16	25.42	26.94