

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: P1435874

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

Issue Date: 3/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1435874
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-150U-100D-L930-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 1500 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

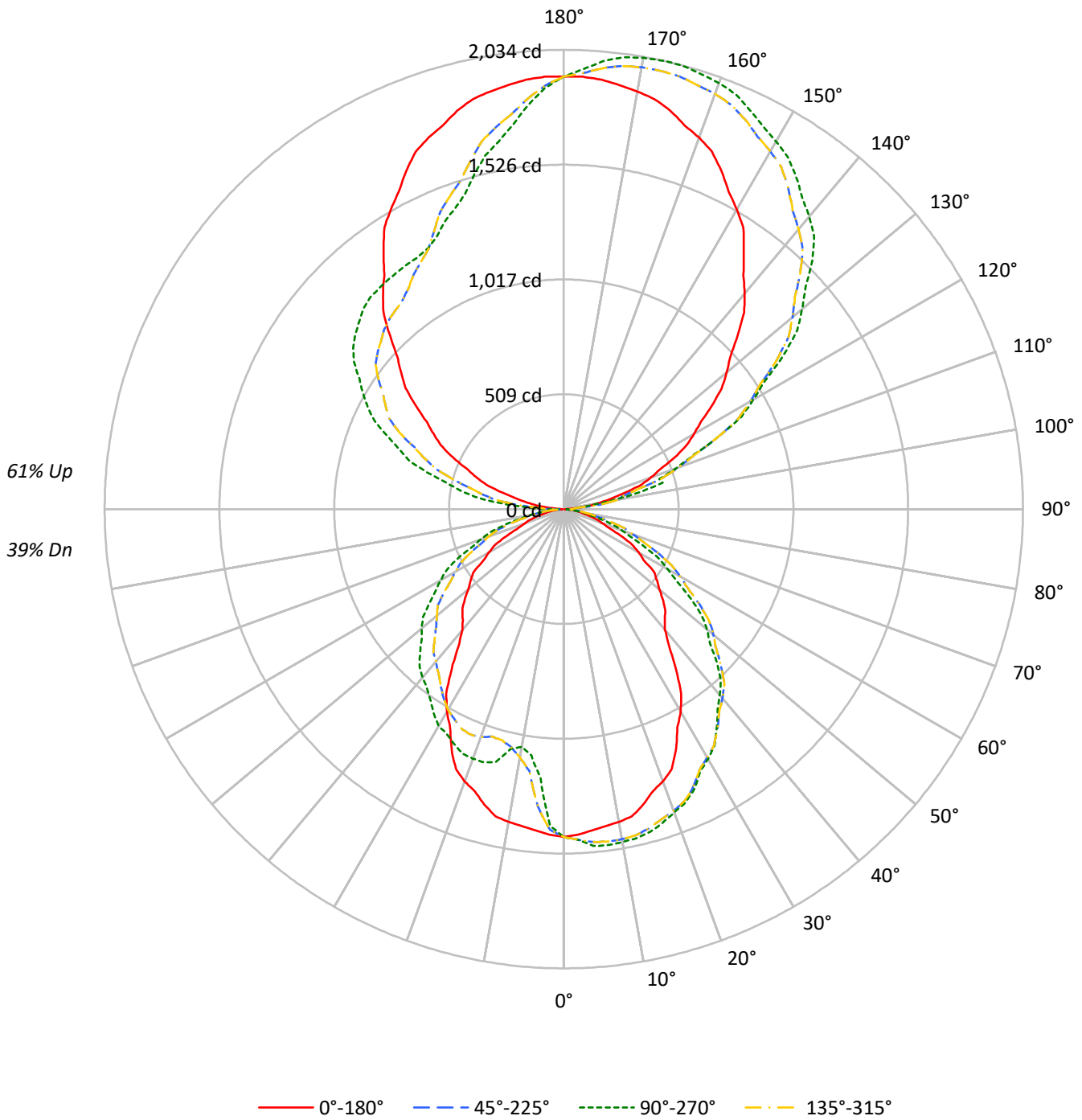
Lumens per Lamp: N/A
Luminaire Lumens: 9206.4 lumens
Efficiency: N/A
Efficacy: 99.3 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.23 / 1.34
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Indirect

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	95	95	95	95	77	77	77	61	61	61	46	46	46	39
1	95	91	87	84	87	83	80	77	68	66	64	54	52	51	41	40	39	33
2	87	80	74	69	79	73	68	63	59	56	53	47	45	43	36	34	33	28
3	79	70	63	57	72	64	58	53	52	48	44	42	39	36	32	30	28	24
4	72	62	54	48	66	57	50	45	47	42	38	37	34	31	29	26	24	20
5	66	55	47	41	60	50	43	38	42	36	32	33	30	27	26	23	21	18
6	61	49	41	36	55	45	38	33	37	32	28	30	26	23	23	21	19	15
7	56	44	37	31	51	41	34	29	34	29	25	27	23	21	21	19	16	14
8	52	40	33	27	47	37	30	26	31	26	22	25	21	18	19	17	15	12
9	49	37	29	24	44	34	27	23	28	23	20	23	19	16	18	15	13	11
10	45	34	26	22	41	31	25	20	26	21	18	21	17	15	17	14	12	10

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	23445	23445	23445	23445
5°	23170	24264	23170	19338
10°	23069	24544	23069	17532
15°	22672	24742	22672	19379
20°	22049	24563	22049	20211
25°	20955	24365	20955	20455
30°	19307	23819	19307	20672
35°	17085	23295	17085	20301
40°	14709	22657	14709	20522
45°	14522	21847	14522	20561
50°	13855	20783	13855	20639
55°	13785	19169	13785	20439
60°	12358	17085	12358	20356
65°	10537	15052	10537	19782
70°	8502	12755	8502	18335
75°	7374	10530	7374	16856
80°	6276	7847	6276	13603
85°	4168	4168	4168	8336

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 22532 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.6	1.4
10°-20°	365.1	4.0
20°-30°	554.4	6.0
30°-40°	650.9	7.1
40°-50°	660.6	7.2
50°-60°	578.6	6.3
60°-70°	410.4	4.5
70°-80°	211.3	2.3
80°-90°	52.2	0.6
90°-100°	152.4	1.7
100°-110°	444.5	4.8
110°-120°	725.4	7.9
120°-130°	920.5	10.0
130°-140°	985.0	10.7
140°-150°	919.8	10.0
150°-160°	756.8	8.2
160°-170°	507.6	5.5
170°-180°	180.2	2.0
0°-30°	1050.1	11.4
0°-40°	1701.1	18.5
0°-60°	2940.2	31.9
0°-90°	3614.1	39.3
90°-120°	1322.4	14.4
90°-150°	4147.7	45.1
90°-180°	5592.0	60.7
0°-180°	9206.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1452	1452	1452	1452	1452	
5°	1430	1497	1430	1193	1430	136
15°	1356	1480	1356	1159	1356	381
25°	1176	1368	1176	1148	1176	537
35°	867	1182	867	1030	867	540
45°	636	957	636	900	636	486
55°	490	681	490	726	490	424
65°	276	394	276	518	276	275
75°	118	169	118	270	118	128
85°	22	22	22	45	22	28
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°	1452.1	1452.1	1452.1	1452.1	1452.1	1452.1	1452.1	1452.1	1452.1	1452.1	1452.1
2.5°	1443.1	1453.1	1463.1	1465.6	1465.6	1465.6	1465.6	1465.6	1465.6	1465.6	1465.6
5°	1429.6	1447.1	1464.6	1472.7	1477.7	1481.5	1484.0	1487.1	1492.1	1497.1	1492.1
7.5°	1416.1	1439.6	1463.1	1474.6	1482.1	1488.1	1492.6	1496.6	1499.1	1501.6	1499.1
10°	1407.1	1434.6	1462.1	1474.6	1482.1	1487.1	1489.6	1492.1	1494.6	1497.1	1494.6
12.5°	1393.6	1423.1	1452.6	1467.1	1476.6	1482.6	1485.1	1487.6	1490.1	1492.6	1490.1
15°	1356.4	1396.4	1436.5	1452.1	1459.6	1465.9	1470.9	1475.2	1477.7	1480.2	1477.7
17.5°	1310.3	1358.8	1407.3	1427.0	1437.0	1444.2	1448.7	1452.6	1454.6	1456.6	1454.6
20°	1283.3	1335.8	1388.3	1409.0	1419.0	1425.2	1427.7	1429.6	1429.6	1429.6	1429.6
22.5°	1247.2	1305.8	1364.3	1386.4	1396.4	1401.7	1402.2	1403.1	1405.1	1407.1	1405.1
25°	1176.3	1243.9	1311.4	1339.5	1354.5	1360.8	1358.3	1357.7	1362.7	1367.7	1362.7
27.5°	1089.6	1174.7	1259.7	1288.5	1298.5	1304.8	1307.3	1309.1	1309.1	1309.1	1309.1
30°	1035.6	1130.7	1225.7	1257.0	1267.0	1273.2	1275.7	1277.6	1277.6	1277.6	1277.6
32.5°	968.1	1081.1	1194.2	1228.5	1236.5	1240.7	1241.2	1241.6	1241.6	1241.6	1241.6
35°	866.8	1004.3	1141.9	1180.1	1185.1	1187.6	1187.6	1186.9	1184.4	1181.9	1184.4
37.5°	765.4	921.5	1077.6	1122.3	1129.8	1131.8	1128.3	1125.0	1122.5	1120.0	1122.5
40°	697.9	868.0	1038.1	1086.3	1093.8	1093.8	1086.3	1080.0	1077.5	1075.0	1077.5
42.5°	661.9	830.0	998.1	1045.7	1053.2	1052.2	1042.7	1035.0	1032.5	1030.0	1032.5
45°	636.0	786.1	936.2	979.3	986.8	985.6	975.6	966.8	961.8	956.8	961.8
47.5°	596.6	728.7	860.8	903.2	915.7	914.4	899.4	886.9	881.9	876.9	881.9
50°	551.6	681.7	811.7	853.6	866.1	864.9	849.9	837.4	832.4	827.4	832.4
52.5°	520.1	642.1	764.2	802.6	813.1	809.9	792.8	778.8	773.8	768.8	773.8
55°	489.7	592.2	694.8	726.1	733.6	728.6	711.0	696.0	688.5	681.0	688.5
57.5°	418.7	516.3	613.9	644.3	652.3	646.3	626.2	609.1	600.6	592.1	600.6
60°	382.7	470.3	557.8	587.2	597.2	592.2	572.2	554.1	541.6	529.1	541.6
62.5°	342.2	419.7	497.3	527.2	541.2	538.2	518.2	500.0	487.5	475.0	487.5
65°	275.8	343.3	410.9	440.9	458.4	457.1	437.1	419.0	406.5	394.0	406.5
67.5°	216.1	274.2	332.2	361.7	381.7	380.7	358.7	339.7	329.7	319.7	329.7
70°	180.1	230.1	280.2	307.7	327.7	327.7	307.7	290.2	280.2	270.2	280.2
72.5°	157.6	195.6	233.6	259.7	281.7	281.7	259.7	241.1	233.1	225.1	233.1
75°	118.2	140.7	163.2	187.6	212.6	215.1	195.1	178.9	173.9	168.8	173.9
77.5°	85.6	96.1	106.6	125.7	147.7	150.2	133.2	119.9	117.9	115.9	117.9
80°	67.5	70.0	72.5	88.2	108.2	110.7	95.7	84.4	84.4	84.4	84.4
82.5°	45.0	47.5	50.0	61.2	75.2	76.7	65.7	56.9	54.9	52.9	54.9
85°	22.5	22.5	22.5	26.3	31.3	31.3	26.3	22.5	22.5	22.5	22.5
87.5°	5.7	7.2	9.1	12.2	15.4	15.7	13.7	12.6	13.0	13.0	13.0
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°	1452.1	1452.1	1452.1	1452.1	1452.1	1452.1	1452.1	1452.1	1452.1	1452.1	1452.1
2.5°	1465.6	1465.6	1465.6	1465.6	1465.6	1463.1	1453.1	1443.1	1443.1	1443.1	1435.6
5°	1487.1	1484.0	1481.5	1477.7	1472.7	1464.6	1447.1	1429.6	1422.1	1414.6	1382.7
7.5°	1496.6	1492.6	1488.1	1482.1	1474.6	1463.1	1439.6	1416.1	1382.6	1349.0	1278.0
10°	1492.1	1489.6	1487.1	1482.1	1474.6	1462.1	1434.6	1407.1	1339.5	1272.0	1204.5
12.5°	1487.6	1485.1	1482.6	1476.6	1467.1	1452.6	1423.1	1393.6	1298.0	1202.5	1141.4
15°	1475.2	1470.9	1465.9	1459.6	1452.1	1436.5	1396.4	1356.4	1248.9	1141.3	1090.0
17.5°	1452.6	1448.7	1444.2	1437.0	1427.0	1407.3	1358.8	1310.3	1197.7	1085.1	1052.1
20°	1429.6	1427.7	1425.2	1419.0	1409.0	1388.3	1335.8	1283.3	1170.7	1058.1	1043.1
22.5°	1403.1	1402.2	1401.7	1396.4	1386.4	1364.3	1305.8	1247.2	1136.7	1026.1	1026.6
25°	1357.7	1358.3	1360.8	1354.5	1339.5	1311.4	1243.9	1176.3	1078.8	981.2	998.1
27.5°	1309.1	1307.3	1304.8	1298.5	1288.5	1259.7	1174.7	1089.6	1012.6	935.5	963.6
30°	1277.6	1275.7	1273.2	1267.0	1257.0	1225.7	1130.7	1035.6	970.6	905.5	938.1
32.5°	1241.6	1241.2	1240.7	1236.5	1228.5	1194.2	1081.1	968.1	921.0	874.0	908.0
35°	1186.9	1187.6	1187.6	1185.1	1180.1	1141.9	1004.3	866.8	846.7	826.7	866.8
37.5°	1125.0	1128.3	1131.8	1129.8	1122.3	1077.6	921.5	765.4	772.0	778.5	827.0
40°	1080.0	1086.3	1093.8	1093.8	1086.3	1038.1	868.0	697.9	720.4	742.9	795.5
42.5°	1035.0	1042.7	1052.2	1053.2	1045.7	998.1	830.0	661.9	686.4	710.9	765.4
45°	966.8	975.6	985.6	986.8	979.3	936.2	786.1	636.0	651.0	666.0	718.5
47.5°	886.9	899.4	914.4	915.7	903.2	860.8	728.7	596.6	607.6	618.6	672.4
50°	837.4	849.9	864.9	866.1	853.6	811.7	681.7	551.6	566.6	581.6	637.9
52.5°	778.8	792.8	809.9	813.1	802.6	764.2	642.1	520.1	529.1	538.1	598.9
55°	696.0	711.0	728.6	733.6	726.1	694.8	592.2	489.7	482.2	474.7	536.6
57.5°	609.1	626.2	646.3	652.3	644.3	613.9	516.3	418.7	412.2	405.7	472.8
60°	554.1	572.2	592.2	597.2	587.2	557.8	470.3	382.7	370.2	357.7	427.8
62.5°	500.0	518.2	538.2	541.2	527.2	497.3	419.7	342.2	333.7	325.2	393.2
65°	419.0	437.1	457.1	458.4	440.9	410.9	343.3	275.8	280.8	285.8	347.1
67.5°	339.7	358.7	380.7	381.7	361.7	332.2	274.2	216.1	232.6	249.1	304.3
70°	290.2	307.7	327.7	327.7	307.7	280.2	230.1	180.1	202.6	225.1	275.8
72.5°	241.1	259.7	281.7	281.7	259.7	233.6	195.6	157.6	180.1	202.6	244.3
75°	178.9	195.1	215.1	212.6	187.6	163.2	140.7	118.2	140.7	163.2	195.1
77.5°	119.9	133.2	150.2	147.7	125.7	106.6	96.1	85.6	104.1	122.6	144.8
80°	84.4	95.7	110.7	108.2	88.2	72.5	70.0	67.5	80.0	92.6	108.8
82.5°	56.9	65.7	76.7	75.2	61.2	50.0	47.5	45.0	55.5	66.0	77.3
85°	22.5	26.3	31.3	31.3	26.3	22.5	22.5	22.5	27.5	32.5	37.5
87.5°	12.6	13.7	15.7	15.4	12.2	9.1	7.2	5.7	9.2	12.8	16.0
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: P1435874

CATALOG NUMBER: SQ2W-FA-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: P1435874

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1452.1	1452.1	1452.1	1452.1	1452.1	1452.1	1452.1	1452.1	1452.1	1452.1	1452.1
2.5°	1425.6	1417.6	1411.6	1406.6	1404.6	1402.6	1404.6	1406.6	1411.6	1417.6	1425.6
5°	1342.7	1300.1	1255.1	1218.2	1205.7	1193.2	1205.7	1218.2	1255.1	1300.1	1342.7
7.5°	1194.5	1143.2	1124.2	1108.9	1104.9	1100.9	1104.9	1108.9	1124.2	1143.2	1194.5
10°	1136.9	1095.6	1080.6	1069.4	1069.4	1069.4	1069.4	1069.4	1080.6	1095.6	1136.9
12.5°	1091.9	1066.6	1065.6	1067.4	1077.4	1087.4	1077.4	1067.4	1065.6	1066.6	1091.9
15°	1057.5	1061.2	1101.3	1134.4	1146.9	1159.4	1146.9	1134.4	1101.3	1061.2	1057.5
17.5°	1045.6	1067.1	1116.7	1156.3	1166.3	1176.3	1166.3	1156.3	1116.7	1067.1	1045.6
20°	1060.6	1088.1	1125.7	1156.3	1166.3	1176.3	1166.3	1156.3	1125.7	1088.1	1060.6
22.5°	1064.1	1097.6	1127.2	1151.8	1161.8	1171.8	1161.8	1151.8	1127.2	1097.6	1064.1
25°	1053.1	1093.1	1118.2	1138.2	1143.2	1148.2	1143.2	1138.2	1118.2	1093.1	1053.1
27.5°	1026.6	1070.6	1095.6	1115.3	1118.8	1122.3	1118.8	1115.3	1095.6	1070.6	1026.6
30°	1003.1	1048.1	1073.1	1093.8	1101.3	1108.8	1101.3	1093.8	1073.1	1048.1	1003.1
32.5°	969.1	1015.1	1046.1	1069.8	1071.3	1072.8	1071.3	1069.8	1046.1	1015.1	969.1
35°	926.8	974.3	1009.3	1035.0	1032.5	1030.0	1032.5	1035.0	1009.3	974.3	926.8
37.5°	889.5	936.0	966.6	990.2	993.2	996.2	993.2	990.2	966.6	936.0	889.5
40°	858.0	905.5	938.1	963.7	968.7	973.7	968.7	963.7	938.1	905.5	858.0
42.5°	830.0	878.5	911.0	936.7	941.7	946.7	941.7	936.7	911.0	878.5	830.0
45°	783.6	833.6	868.6	895.5	898.0	900.5	898.0	895.5	868.6	833.6	783.6
47.5°	740.4	790.7	823.2	848.2	850.7	853.3	850.7	848.2	823.2	790.7	740.4
50°	707.9	759.2	791.7	816.7	819.2	821.7	819.2	816.7	791.7	759.2	707.9
52.5°	676.9	730.2	758.7	780.7	783.2	785.7	783.2	780.7	758.7	730.2	676.9
55°	621.6	677.9	705.4	726.1	726.1	726.1	726.1	705.4	677.9	621.6	621.6
57.5°	564.3	622.1	646.1	664.9	667.9	670.9	667.9	646.1	622.1	564.3	564.3
60°	525.3	584.1	604.1	620.4	625.4	630.4	625.4	604.1	584.1	525.3	525.3
62.5°	486.8	543.6	563.6	579.3	582.3	585.3	582.3	579.3	563.6	543.6	486.8
65°	427.1	477.2	497.2	512.8	515.3	517.8	515.3	497.2	477.2	427.1	427.1
67.5°	372.3	413.4	427.4	438.4	440.4	442.4	440.4	438.4	427.4	413.4	372.3
70°	335.8	370.8	380.8	388.4	388.4	388.4	388.4	380.8	370.8	335.8	335.8
72.5°	292.3	321.3	331.3	339.3	341.3	343.3	341.3	339.3	331.3	321.3	292.3
75°	230.1	251.4	258.9	265.2	267.7	270.2	267.7	258.9	251.4	230.1	230.1
77.5°	168.3	182.4	186.9	190.9	193.4	195.9	193.4	186.9	182.4	168.3	168.3
80°	126.3	136.3	138.8	141.3	143.8	146.3	143.8	141.3	138.8	136.3	126.3
82.5°	88.8	95.8	98.3	100.3	100.8	101.3	100.8	98.3	95.8	88.8	88.8
85°	42.5	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	42.5
87.5°	17.9	20.6	23.3	24.9	26.4	25.6	26.4	24.9	23.3	20.6	17.9
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	128.8	112.2	89.4	89.4
95°	179.9	207.0	234.1	253.4	265.0	261.2	265.0	234.1	207.0	179.9	179.9
97.5°	277.4	313.8	344.0	362.2	373.8	381.5	373.8	344.0	313.8	277.4	277.4
100°	342.4	377.3	412.1	433.4	452.7	460.4	452.7	412.1	377.3	342.4	342.4
102.5°	395.1	440.7	478.6	501.5	517.7	525.4	517.7	478.6	440.7	395.1	395.1
105°	481.7	530.1	570.7	599.7	617.2	623.0	617.2	570.7	530.1	481.7	481.7
107.5°	568.4	618.3	655.8	688.0	709.2	721.6	709.2	655.8	618.3	568.4	568.4
110°	636.5	677.1	717.8	746.8	768.1	775.8	768.1	717.8	677.1	636.5	636.5



TEST NUMBER: P1435874

CATALOG NUMBER: SQ2W-FA-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: P1435874

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1452.1	1452.1	1452.1	1452.1
2.5°	1435.6	1443.1	1443.1	1443.1
5°	1382.7	1414.6	1422.1	1429.6
7.5°	1278.0	1349.0	1382.6	1416.1
10°	1204.5	1272.0	1339.5	1407.1
12.5°	1141.4	1202.5	1298.0	1393.6
15°	1090.0	1141.3	1248.9	1356.4
17.5°	1052.1	1085.1	1197.7	1310.3
20°	1043.1	1058.1	1170.7	1283.3
22.5°	1026.6	1026.1	1136.7	1247.2
25°	998.1	981.2	1078.8	1176.3
27.5°	963.6	935.5	1012.6	1089.6
30°	938.1	905.5	970.6	1035.6
32.5°	908.0	874.0	921.0	968.1
35°	866.8	826.7	846.7	866.8
37.5°	827.0	778.5	772.0	765.4
40°	795.5	742.9	720.4	697.9
42.5°	765.4	710.9	686.4	661.9
45°	718.5	666.0	651.0	636.0
47.5°	672.4	618.6	607.6	596.6
50°	637.9	581.6	566.6	551.6
52.5°	598.9	538.1	529.1	520.1
55°	536.6	474.7	482.2	489.7
57.5°	472.8	405.7	412.2	418.7
60°	427.8	357.7	370.2	382.7
62.5°	393.2	325.2	333.7	342.2
65°	347.1	285.8	280.8	275.8
67.5°	304.3	249.1	232.6	216.1
70°	275.8	225.1	202.6	180.1
72.5°	244.3	202.6	180.1	157.6
75°	195.1	163.2	140.7	118.2
77.5°	144.8	122.6	104.1	85.6
80°	108.8	92.6	80.0	67.5
82.5°	77.3	66.0	55.5	45.0
85°	37.5	32.5	27.5	22.5
87.5°	16.0	12.8	9.2	5.7
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: P1435874

CATALOG NUMBER: SQ2W-FA-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: P1435874
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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	16.25	17.02	17.30	18.07	19.49	17.45	18.22	18.50	19.27	20.69
	3H	17.33	18.02	18.39	19.08	20.52	18.69	19.38	19.74	20.44	21.87
	4H	17.68	18.34	18.75	19.40	20.84	19.07	19.73	20.14	20.79	22.23
	6H	17.84	18.44	18.91	19.51	20.96	19.23	19.83	20.30	20.90	22.35
	8H	17.87	18.44	18.95	19.52	20.97	19.25	19.82	20.33	20.90	22.35
	12H	17.86	18.41	18.95	19.48	20.96	19.23	19.78	20.32	20.85	22.32
4H	2H	17.11	17.76	18.18	18.82	20.27	18.02	18.68	19.10	19.74	21.18
	3H	18.49	19.03	19.57	20.12	21.58	19.48	20.02	20.56	21.11	22.57
	4H	18.94	19.44	20.03	20.52	22.00	19.95	20.45	21.04	21.53	23.01
	6H	19.16	19.59	20.26	20.70	22.17	20.17	20.60	21.26	21.70	23.17
	8H	19.22	19.62	20.31	20.71	22.20	20.21	20.61	21.31	21.71	23.19
	12H	19.22	19.58	20.33	20.69	22.18	20.20	20.56	21.31	21.67	23.16
8H	4H	19.32	19.72	20.41	20.81	22.30	20.14	20.54	21.23	21.63	23.12
	6H	19.66	19.99	20.78	21.13	22.61	20.45	20.78	21.57	21.92	23.40
	8H	19.78	20.07	20.90	21.19	22.69	20.54	20.83	21.67	21.95	23.45
	12H	19.81	20.07	20.94	21.18	22.72	20.55	20.81	21.68	21.92	23.46
12H	4H	19.32	19.68	20.43	20.78	22.28	20.10	20.47	21.22	21.57	23.06
	6H	19.73	20.02	20.86	21.14	22.64	20.47	20.76	21.59	21.87	23.38
	8H	19.87	20.13	21.00	21.24	22.78	20.58	20.83	21.70	21.94	23.49