

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: P1427765

Luminaire Tested: SQ2W-F-K-100U-125D-L830-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1427765
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-20)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-F-K-100U-125D-L830-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - FROSTED CONTINUOUS ROLL LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1250 LUMENS PER FOOT
UPLIGHT 1000 LUMENS PER FOOT
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

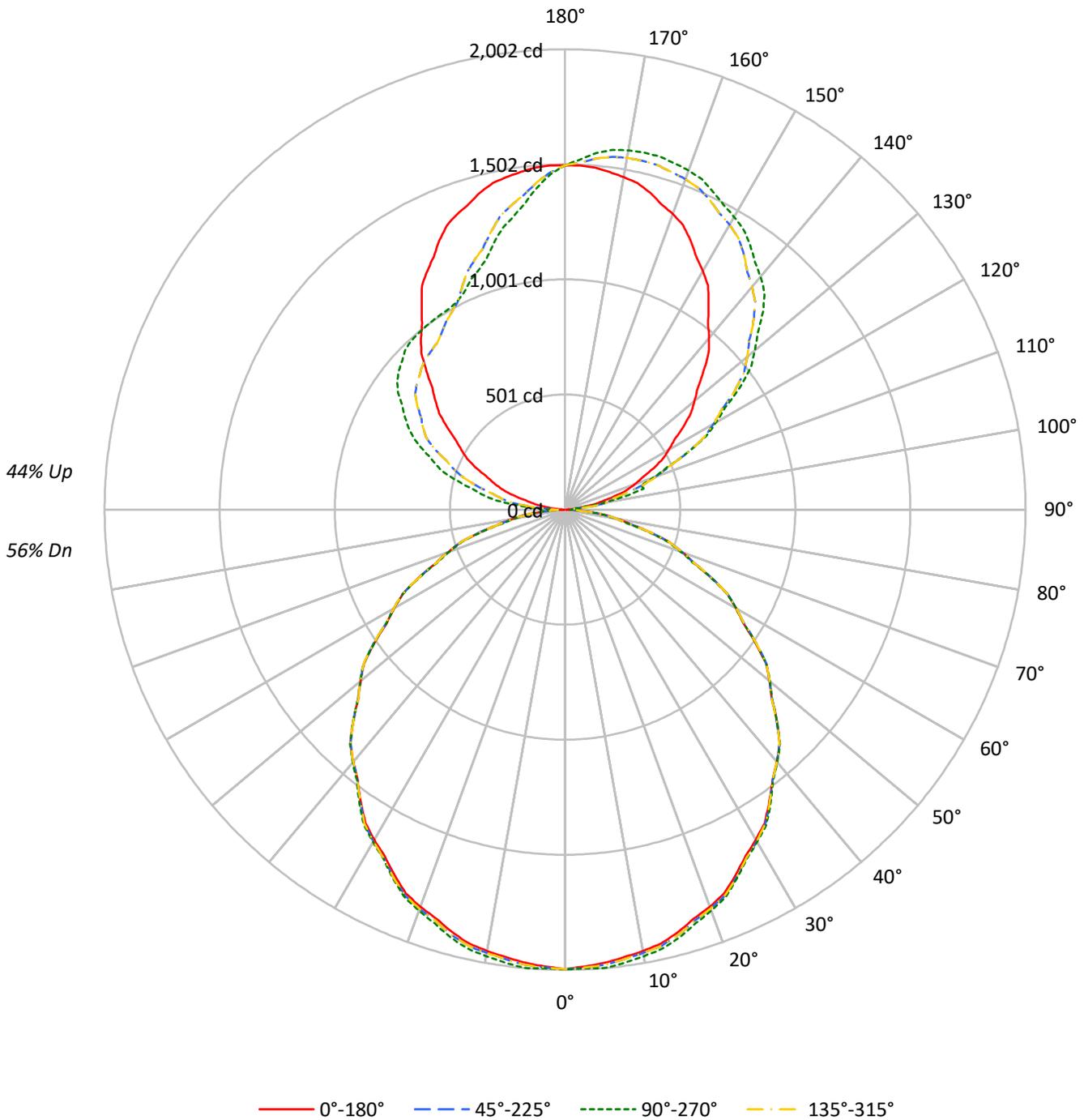
Lumens per Lamp: N/A
Luminaire Lumens: 10003.9 lumens
Efficiency: N/A
Efficacy: 121.6 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.25 / 1.36
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 82.3
Input Voltage (V): 120
Input Current (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	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	71	83	77	71	67	66	62	58	57	54	51	48	45	43	39				
3	82	72	65	59	76	67	61	55	58	53	49	50	46	43	42	39	37	33				
4	75	64	56	50	69	60	52	47	52	46	42	44	40	36	37	34	32	28				
5	69	57	48	42	64	53	46	40	46	40	36	40	35	32	34	30	27	24				
6	63	51	43	37	59	48	40	35	42	36	31	36	31	28	31	27	24	21				
7	59	46	38	32	54	43	36	31	38	32	27	33	28	24	28	24	21	19				
8	54	42	34	28	50	39	32	27	34	28	24	30	25	22	26	22	19	17				
9	51	38	30	25	47	36	29	24	31	26	22	27	23	19	24	20	17	15				
10	47	35	28	23	44	33	26	22	29	23	20	25	21	18	22	18	16	14				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	32277	32277	32277	32277
5°	32081	32445	32081	32445
10°	31966	32337	31966	32337
15°	31792	32192	31792	32192
20°	31590	31905	31590	31905
25°	31249	31525	31249	31525
30°	30918	31129	30918	31129
35°	30523	30718	30523	30718
40°	30177	30266	30177	30266
45°	29733	29733	29733	29733
50°	29137	29210	29137	29210
55°	28453	28492	28453	28492
60°	27686	27686	27686	27686
65°	26785	26678	26785	26678
70°	25520	25255	25520	25255
75°	23799	23275	23799	23275
80°	21208	20158	21208	20158
85°	16950	14338	16950	14338

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 29934 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	189.2	1.9
10°-20°	540.5	5.4
20°-30°	813.5	8.1
30°-40°	972.9	9.7
40°-50°	1004.6	10.0
50°-60°	906.1	9.1
60°-70°	694.1	6.9
70°-80°	401.2	4.0
80°-90°	110.4	1.1
90°-100°	119.2	1.2
100°-110°	347.5	3.5
110°-120°	567.1	5.7
120°-130°	719.6	7.2
130°-140°	770.0	7.7
140°-150°	719.0	7.2
150°-160°	591.6	5.9
160°-170°	396.8	4.0
170°-180°	140.9	1.4
0°-30°	1543.2	15.4
0°-40°	2516.1	25.2
0°-60°	4426.8	44.3
0°-90°	5632.5	56.3
90°-120°	1033.7	10.3
90°-150°	3242.2	32.4
90°-180°	4371.0	43.7
0°-180°	10003.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1999	1999	1999	1999	1999	
5°	1979	2002	1979	2002	1979	188
15°	1902	1926	1902	1926	1902	536
25°	1754	1770	1754	1770	1754	808
35°	1549	1558	1549	1558	1549	969
45°	1302	1302	1302	1302	1302	1003
55°	1011	1012	1011	1012	1011	903
65°	701	698	701	698	701	693
75°	382	373	382	373	382	404
85°	92	77	92	77	92	107
90°	4	33	4	65	4	7
95°	47	35	47	204	47	57
105°	221	354	221	487	221	235
115°	423	587	423	723	423	417
125°	626	930	626	886	626	560
135°	851	1217	851	982	851	658
145°	1087	1403	1087	1003	1087	680
155°	1292	1524	1292	1040	1292	594
165°	1428	1589	1428	1198	1428	402
175°	1493	1556	1493	1405	1493	142
180°	1497	1497	1497	1497	1497	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1999.1	1999.1	1999.1	1999.1	1999.1	1999.1	1999.1	1999.1	1999.1	1999.1	1999.1
2.5°	1989.0	1998.5	2008.0	2004.0	1995.5	1992.2	1994.2	1996.0	1997.0	1998.0	1997.0
5°	1979.4	1991.9	2004.4	2000.0	1990.0	1985.7	1986.9	1989.4	1995.7	2001.9	1995.7
7.5°	1963.4	1975.9	1988.4	1984.4	1974.9	1970.9	1972.4	1975.1	1981.6	1988.1	1981.6
10°	1949.8	1962.4	1974.9	1970.5	1960.5	1956.7	1959.2	1962.4	1967.4	1972.4	1967.4
12.5°	1932.9	1945.5	1958.0	1954.3	1945.3	1941.6	1943.1	1945.6	1951.1	1956.6	1951.1
15°	1902.0	1914.5	1927.0	1923.6	1914.8	1911.4	1913.2	1915.9	1920.9	1925.9	1920.9
17.5°	1864.5	1876.3	1888.0	1884.9	1876.8	1873.8	1875.9	1878.6	1883.0	1887.3	1883.0
20°	1838.6	1849.9	1861.1	1857.9	1849.7	1846.0	1846.6	1848.2	1852.5	1856.9	1852.5
22.5°	1807.1	1818.3	1829.6	1826.7	1819.1	1814.6	1813.2	1813.5	1818.9	1824.3	1818.9
25°	1754.1	1765.4	1776.7	1774.3	1767.4	1763.1	1761.2	1760.9	1765.3	1769.6	1765.3
27.5°	1699.0	1708.3	1717.7	1715.8	1710.0	1706.5	1705.3	1705.1	1708.2	1711.4	1708.2
30°	1658.4	1667.8	1677.2	1674.8	1668.6	1664.8	1663.6	1663.4	1666.6	1669.7	1666.6
32.5°	1615.6	1624.5	1633.4	1630.2	1622.9	1619.2	1618.9	1619.6	1623.3	1626.9	1623.3
35°	1548.6	1556.1	1563.6	1560.3	1553.5	1550.3	1551.0	1552.2	1555.3	1558.5	1555.3
37.5°	1481.3	1487.1	1492.8	1489.5	1483.1	1479.8	1479.7	1480.3	1482.9	1485.5	1482.9
40°	1431.8	1438.0	1444.3	1440.7	1433.8	1430.0	1429.4	1429.7	1432.9	1436.0	1432.9
42.5°	1381.1	1385.8	1390.6	1387.4	1381.5	1378.7	1379.1	1379.8	1381.4	1383.0	1381.4
45°	1302.2	1306.6	1311.0	1307.9	1302.2	1299.4	1299.4	1299.7	1301.0	1302.2	1301.0
47.5°	1219.7	1223.1	1226.5	1224.1	1219.7	1217.1	1216.4	1216.3	1218.3	1220.3	1218.3
50°	1160.0	1164.4	1168.8	1166.6	1162.2	1159.4	1158.2	1157.9	1160.4	1162.9	1160.4
52.5°	1101.5	1106.4	1111.2	1109.2	1104.8	1101.7	1100.0	1099.2	1101.2	1103.2	1101.2
55°	1010.8	1016.4	1022.1	1020.7	1016.9	1013.8	1011.3	1009.7	1011.0	1012.2	1011.0
57.5°	918.2	923.7	929.2	928.1	924.9	921.7	918.7	916.9	918.7	920.4	918.7
60°	857.4	862.4	867.4	865.8	862.1	858.9	856.4	854.9	856.1	857.4	856.1
62.5°	795.4	800.4	805.4	803.5	799.2	795.9	793.4	791.8	793.0	794.3	793.0
65°	701.1	705.5	709.9	708.1	704.4	701.3	698.8	697.0	697.7	698.3	697.7
67.5°	605.9	609.7	613.4	611.7	608.0	604.4	600.8	598.3	599.3	600.3	599.3
70°	540.6	544.4	548.1	546.7	543.6	540.4	537.3	535.0	535.0	535.0	535.0
72.5°	477.5	480.8	484.0	482.1	478.5	475.4	472.7	470.8	470.8	470.8	470.8
75°	381.5	383.4	385.3	384.3	382.5	380.0	376.8	374.3	373.7	373.1	373.7
77.5°	288.9	288.9	288.9	287.1	284.7	282.3	280.0	278.0	277.2	276.5	277.2
80°	228.1	228.1	228.1	226.7	224.8	222.9	221.0	219.3	218.1	216.8	218.1
82.5°	171.8	170.8	169.8	168.1	166.2	163.8	161.0	159.1	160.4	161.6	160.4
85°	91.5	90.3	89.0	87.3	85.4	83.2	80.7	78.7	78.1	77.4	78.1
87.5°	29.1	29.3	29.8	29.6	29.0	27.6	25.6	24.2	24.0	23.5	24.0
90°	4.5	10.6	18.1	24.2	28.7	30.2	30.2	31.8	33.3	33.3	33.3
92.5°	16.6	26.3	26.6	26.6	32.4	35.1	37.5	37.8	39.3	39.3	39.3
95°	46.9	51.4	77.1	75.6	51.4	40.8	34.8	34.8	34.8	34.8	34.8
97.5°	89.5	96.2	100.4	134.6	142.2	137.3	111.9	94.1	84.1	79.5	84.1
100°	127.0	130.1	139.1	140.6	178.4	214.7	196.6	173.9	166.4	161.8	166.4
102.5°	164.5	166.4	180.3	186.6	195.4	216.0	278.9	271.9	266.8	265.9	266.8
105°	220.8	222.3	248.0	260.1	266.2	266.2	264.7	294.9	343.3	353.9	343.3
107.5°	281.0	287.9	318.2	350.5	357.5	359.3	351.5	346.9	345.1	346.3	345.1
110°	322.1	332.7	369.0	409.8	420.4	423.4	420.4	415.9	412.9	412.9	412.9



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	362.0	377.5	418.6	465.5	483.3	492.4	485.7	482.4	479.4	481.8	479.4
115°	423.4	446.1	500.6	549.0	585.3	589.8	588.3	588.3	586.8	586.8	586.8
117.5°	480.3	516.6	577.7	634.0	676.0	688.1	694.1	692.3	690.5	693.5	690.5
120°	520.2	562.6	632.1	695.7	736.5	754.6	760.7	757.7	760.7	757.7	760.7
122.5°	562.6	614.6	682.9	748.9	797.0	817.5	824.8	825.4	826.0	824.2	826.0
125°	626.1	689.6	769.8	837.8	887.7	911.9	918.0	919.5	922.5	930.1	922.5
127.5°	690.2	762.2	850.2	915.8	967.0	996.3	1005.7	1009.0	1015.3	1018.7	1015.3
130°	735.0	816.6	905.9	967.9	1017.8	1049.5	1066.2	1070.7	1078.3	1076.7	1078.3
132.5°	782.2	867.4	957.9	1022.3	1068.6	1102.8	1117.0	1130.0	1132.7	1134.8	1132.7
135°	851.4	943.7	1034.4	1097.9	1141.8	1175.0	1193.2	1205.3	1212.9	1217.4	1212.9
137.5°	924.3	1021.7	1108.8	1165.4	1209.5	1238.3	1258.8	1271.5	1279.4	1283.0	1279.4
140°	973.9	1067.7	1152.4	1211.3	1250.7	1279.4	1297.5	1312.7	1321.7	1321.7	1321.7
142.5°	1021.1	1113.6	1195.9	1254.9	1289.4	1315.7	1335.0	1346.5	1356.8	1356.8	1356.8
145°	1087.3	1179.6	1255.2	1314.2	1342.9	1367.1	1388.3	1397.4	1403.4	1403.4	1403.4
147.5°	1156.6	1238.3	1307.2	1363.8	1388.0	1416.4	1433.0	1440.3	1447.9	1444.5	1447.9
150°	1197.7	1273.3	1339.9	1392.8	1417.0	1444.2	1460.9	1466.9	1474.5	1469.9	1474.5
152.5°	1237.7	1309.6	1370.1	1419.4	1440.0	1467.2	1486.3	1492.3	1497.5	1494.1	1497.5
155°	1291.5	1355.0	1411.0	1456.3	1474.5	1500.2	1518.3	1525.9	1531.9	1524.4	1531.9
157.5°	1339.6	1394.3	1443.0	1484.8	1504.1	1526.2	1543.1	1552.5	1558.6	1555.2	1558.6
160°	1368.6	1418.5	1462.4	1501.7	1519.8	1539.5	1557.7	1568.2	1574.3	1569.8	1574.3
162.5°	1392.8	1437.9	1479.3	1515.0	1530.7	1548.0	1569.8	1579.1	1585.2	1579.4	1585.2
165°	1427.6	1463.9	1500.2	1530.4	1544.0	1557.7	1580.3	1590.9	1595.5	1589.4	1595.5
167.5°	1453.9	1481.7	1511.1	1537.1	1547.1	1560.4	1583.1	1591.8	1597.6	1590.0	1597.6
170°	1468.4	1492.6	1518.3	1539.5	1547.1	1559.2	1581.9	1589.4	1593.9	1586.4	1593.9
172.5°	1480.5	1498.7	1519.5	1538.3	1542.2	1551.9	1573.4	1580.9	1584.3	1577.9	1584.3
175°	1492.6	1503.2	1518.3	1530.4	1528.9	1535.0	1553.1	1559.2	1565.2	1556.1	1565.2
177.5°	1498.4	1503.2	1508.1	1515.3	1510.5	1510.5	1523.8	1527.4	1528.6	1523.8	1528.6
180°	1497.2	1497.2	1497.2	1497.2	1497.2	1497.2	1497.2	1497.2	1497.2	1497.2	1497.2



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1999.1	1999.1	1999.1	1999.1	1999.1	1999.1	1999.1	1999.1	1999.1	1999.1	1999.1
2.5°	1996.0	1994.2	1992.2	1995.5	2004.0	2008.0	1998.5	1989.0	1998.5	2008.0	2004.0
5°	1989.4	1986.9	1985.7	1990.0	2000.0	2004.4	1991.9	1979.4	1991.9	2004.4	2000.0
7.5°	1975.1	1972.4	1970.9	1974.9	1984.4	1988.4	1975.9	1963.4	1975.9	1988.4	1984.4
10°	1962.4	1959.2	1956.7	1960.5	1970.5	1974.9	1962.4	1949.8	1962.4	1974.9	1970.5
12.5°	1945.6	1943.1	1941.6	1945.3	1954.3	1958.0	1945.5	1932.9	1945.5	1958.0	1954.3
15°	1915.9	1913.2	1911.4	1914.8	1923.6	1927.0	1914.5	1902.0	1914.5	1927.0	1923.6
17.5°	1878.6	1875.9	1873.8	1876.8	1884.9	1888.0	1876.3	1864.5	1876.3	1888.0	1884.9
20°	1848.2	1846.6	1846.0	1849.7	1857.9	1861.1	1849.9	1838.6	1849.9	1861.1	1857.9
22.5°	1813.5	1813.2	1814.6	1819.1	1826.7	1829.6	1818.3	1807.1	1818.3	1829.6	1826.7
25°	1760.9	1761.2	1763.1	1767.4	1774.3	1776.7	1765.4	1754.1	1765.4	1776.7	1774.3
27.5°	1705.1	1705.3	1706.5	1710.0	1715.8	1717.7	1708.3	1699.0	1708.3	1717.7	1715.8
30°	1663.4	1663.6	1664.8	1668.6	1674.8	1677.2	1667.8	1658.4	1667.8	1677.2	1674.8
32.5°	1619.6	1618.9	1619.2	1622.9	1630.2	1633.4	1624.5	1615.6	1624.5	1633.4	1630.2
35°	1552.2	1551.0	1550.3	1553.5	1560.3	1563.6	1556.1	1548.6	1556.1	1563.6	1560.3
37.5°	1480.3	1479.7	1479.8	1483.1	1489.5	1492.8	1487.1	1481.3	1487.1	1492.8	1489.5
40°	1429.7	1429.4	1430.0	1433.8	1440.7	1444.3	1438.0	1431.8	1438.0	1444.3	1440.7
42.5°	1379.8	1379.1	1378.7	1381.5	1387.4	1390.6	1385.8	1381.1	1385.8	1390.6	1387.4
45°	1299.7	1299.4	1299.4	1302.2	1307.9	1311.0	1306.6	1302.2	1306.6	1311.0	1307.9
47.5°	1216.3	1216.4	1217.1	1219.7	1224.1	1226.5	1223.1	1219.7	1223.1	1226.5	1224.1
50°	1157.9	1158.2	1159.4	1162.2	1166.6	1168.8	1164.4	1160.0	1164.4	1168.8	1166.6
52.5°	1099.2	1100.0	1101.7	1104.8	1109.2	1111.2	1106.4	1101.5	1106.4	1111.2	1109.2
55°	1009.7	1011.3	1013.8	1016.9	1020.7	1022.1	1016.4	1010.8	1016.4	1022.1	1020.7
57.5°	916.9	918.7	921.7	924.9	928.1	929.2	923.7	918.2	923.7	929.2	928.1
60°	854.9	856.4	858.9	862.1	865.8	867.4	862.4	857.4	862.4	867.4	865.8
62.5°	791.8	793.4	795.9	799.2	803.5	805.4	800.4	795.4	800.4	805.4	803.5
65°	697.0	698.8	701.3	704.4	708.1	709.9	705.5	701.1	705.5	709.9	708.1
67.5°	598.3	600.8	604.4	608.0	611.7	613.4	609.7	605.9	609.7	613.4	611.7
70°	535.0	537.3	540.4	543.6	546.7	548.1	544.4	540.6	544.4	548.1	546.7
72.5°	470.8	472.7	475.4	478.5	482.1	484.0	480.8	477.5	480.8	484.0	482.1
75°	374.3	376.8	380.0	382.5	384.3	385.3	383.4	381.5	383.4	385.3	384.3
77.5°	278.0	280.0	282.3	284.7	287.1	288.9	288.9	288.9	288.9	288.9	287.1
80°	219.3	221.0	222.9	224.8	226.7	228.1	228.1	228.1	228.1	228.1	226.7
82.5°	159.1	161.0	163.8	166.2	168.1	169.8	170.8	171.8	170.8	169.8	168.1
85°	78.7	80.7	83.2	85.4	87.3	89.0	90.3	91.5	90.3	89.0	87.3
87.5°	24.2	25.6	27.6	29.0	29.6	29.8	29.3	29.1	29.3	29.5	30.2
90°	31.8	30.2	30.2	28.7	24.2	18.1	10.6	4.5	10.6	16.6	27.2
92.5°	37.8	37.5	35.1	32.4	26.6	26.6	26.3	16.6	28.7	40.8	58.7
95°	34.8	34.8	40.8	51.4	75.6	77.1	51.4	46.9	66.5	93.8	118.0
97.5°	94.1	111.9	137.3	142.2	134.6	100.4	96.2	89.5	121.9	148.8	187.8
100°	173.9	196.6	214.7	178.4	140.6	139.1	130.1	127.0	161.8	187.5	225.3
102.5°	271.9	278.9	216.0	195.4	186.6	180.3	166.4	164.5	199.3	234.7	266.5
105°	294.9	264.7	266.2	266.2	260.1	248.0	222.3	220.8	260.1	300.9	340.3
107.5°	346.9	351.5	359.3	357.5	350.5	318.2	287.9	281.0	316.4	365.4	408.6
110°	415.9	420.4	423.4	420.4	409.8	369.0	332.7	322.1	353.9	405.3	452.2



TEST NUMBER: P1427765

CATALOG NUMBER: SQ2W-F-K-100U-125D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	482.4	485.7	492.4	483.3	465.5	418.6	377.5	362.0	393.8	446.4	494.5
115°	588.3	588.3	589.8	585.3	549.0	500.6	446.1	423.4	450.7	499.1	552.0
117.5°	692.3	694.1	688.1	676.0	634.0	577.7	516.6	480.3	501.8	552.9	607.3
120°	757.7	760.7	754.6	736.5	695.7	632.1	562.6	520.2	536.9	586.8	641.2
122.5°	825.4	824.8	817.5	797.0	748.9	682.9	614.6	562.6	569.5	615.8	669.0
125°	919.5	918.0	911.9	887.7	837.8	769.8	689.6	626.1	617.0	656.3	710.8
127.5°	1009.0	1005.7	996.3	967.0	915.8	850.2	762.2	690.2	669.9	694.7	744.6
130°	1070.7	1066.2	1049.5	1017.8	967.9	905.9	816.6	735.0	706.2	721.4	765.2
132.5°	1130.0	1117.0	1102.8	1068.6	1022.3	957.9	867.4	782.2	742.5	749.2	783.4
135°	1205.3	1193.2	1175.0	1141.8	1097.9	1034.4	943.7	851.4	797.0	790.9	810.6
137.5°	1271.5	1258.8	1238.3	1209.5	1165.4	1108.8	1021.7	924.3	855.7	835.4	842.9
140°	1312.7	1297.5	1279.4	1250.7	1211.3	1152.4	1067.7	973.9	896.8	868.1	863.5
142.5°	1346.5	1335.0	1315.7	1289.4	1254.9	1195.9	1113.6	1021.1	939.1	901.9	891.3
145°	1397.4	1388.3	1367.1	1342.9	1314.2	1255.2	1179.6	1087.3	1005.7	957.3	934.6
147.5°	1440.3	1433.0	1416.4	1388.0	1363.8	1307.2	1238.3	1156.6	1072.8	1012.9	983.6
150°	1466.9	1460.9	1444.2	1417.0	1392.8	1339.9	1273.3	1197.7	1117.6	1054.1	1016.3
152.5°	1492.3	1486.3	1467.2	1440.0	1419.4	1370.1	1309.6	1237.7	1156.3	1092.8	1053.8
155°	1525.9	1518.3	1500.2	1474.5	1456.3	1411.0	1355.0	1291.5	1221.9	1155.4	1111.5
157.5°	1552.5	1543.1	1526.2	1504.1	1484.8	1443.0	1394.3	1339.6	1278.8	1215.3	1170.5
160°	1568.2	1557.7	1539.5	1519.8	1501.7	1462.4	1418.5	1368.6	1312.7	1255.2	1206.8
162.5°	1579.1	1569.8	1548.0	1530.7	1515.0	1479.3	1437.9	1392.8	1342.9	1292.7	1247.9
165°	1590.9	1580.3	1557.7	1544.0	1530.4	1500.2	1463.9	1427.6	1385.3	1344.4	1308.1
167.5°	1591.8	1583.1	1560.4	1547.1	1537.1	1511.1	1481.7	1453.9	1420.9	1388.9	1358.6
170°	1589.4	1581.9	1559.2	1547.1	1539.5	1518.3	1492.6	1468.4	1442.7	1415.5	1391.3
172.5°	1580.9	1573.4	1551.9	1542.2	1538.3	1519.5	1498.7	1480.5	1458.4	1438.5	1419.1
175°	1559.2	1553.1	1535.0	1528.9	1530.4	1518.3	1503.2	1492.6	1479.0	1466.9	1456.3
177.5°	1527.4	1523.8	1510.5	1510.5	1515.3	1508.1	1503.2	1498.4	1492.3	1488.7	1485.1
180°	1497.2	1497.2	1497.2	1497.2	1497.2	1497.2	1497.2	1497.2	1497.2	1497.2	1497.2



TEST NUMBER: P1427765

CATALOG NUMBER: SQ2W-F-K-100U-125D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1999.1	1999.1	1999.1	1999.1	1999.1	1999.1	1999.1	1999.1	1999.1	1999.1	1999.1
2.5°	1995.5	1992.2	1994.2	1996.0	1997.0	1998.0	1997.0	1996.0	1994.2	1992.2	1995.5
5°	1990.0	1985.7	1986.9	1989.4	1995.7	2001.9	1995.7	1989.4	1986.9	1985.7	1990.0
7.5°	1974.9	1970.9	1972.4	1975.1	1981.6	1988.1	1981.6	1975.1	1972.4	1970.9	1974.9
10°	1960.5	1956.7	1959.2	1962.4	1967.4	1972.4	1967.4	1962.4	1959.2	1956.7	1960.5
12.5°	1945.3	1941.6	1943.1	1945.6	1951.1	1956.6	1951.1	1945.6	1943.1	1941.6	1945.3
15°	1914.8	1911.4	1913.2	1915.9	1920.9	1925.9	1920.9	1915.9	1913.2	1911.4	1914.8
17.5°	1876.8	1873.8	1875.9	1878.6	1883.0	1887.3	1883.0	1878.6	1875.9	1873.8	1876.8
20°	1849.7	1846.0	1846.6	1848.2	1852.5	1856.9	1852.5	1848.2	1846.6	1846.0	1849.7
22.5°	1819.1	1814.6	1813.2	1813.5	1818.9	1824.3	1818.9	1813.5	1813.2	1814.6	1819.1
25°	1767.4	1763.1	1761.2	1760.9	1765.3	1769.6	1765.3	1760.9	1761.2	1763.1	1767.4
27.5°	1710.0	1706.5	1705.3	1705.1	1708.2	1711.4	1708.2	1705.1	1705.3	1706.5	1710.0
30°	1668.6	1664.8	1663.6	1663.4	1666.6	1669.7	1666.6	1663.4	1663.6	1664.8	1668.6
32.5°	1622.9	1619.2	1618.9	1619.6	1623.3	1626.9	1623.3	1619.6	1618.9	1619.2	1622.9
35°	1553.5	1550.3	1551.0	1552.2	1555.3	1558.5	1555.3	1552.2	1551.0	1550.3	1553.5
37.5°	1483.1	1479.8	1479.7	1480.3	1482.9	1485.5	1482.9	1480.3	1479.7	1479.8	1483.1
40°	1433.8	1430.0	1429.4	1429.7	1432.9	1436.0	1432.9	1429.7	1429.4	1430.0	1433.8
42.5°	1381.5	1378.7	1379.1	1379.8	1381.4	1383.0	1381.4	1379.8	1379.1	1378.7	1381.5
45°	1302.2	1299.4	1299.4	1299.7	1301.0	1302.2	1301.0	1299.7	1299.4	1299.4	1302.2
47.5°	1219.7	1217.1	1216.4	1216.3	1218.3	1220.3	1218.3	1216.3	1216.4	1217.1	1219.7
50°	1162.2	1159.4	1158.2	1157.9	1160.4	1162.9	1160.4	1157.9	1158.2	1159.4	1162.2
52.5°	1104.8	1101.7	1100.0	1099.2	1101.2	1103.2	1101.2	1099.2	1100.0	1101.7	1104.8
55°	1016.9	1013.8	1011.3	1009.7	1011.0	1012.2	1011.0	1009.7	1011.3	1013.8	1016.9
57.5°	924.9	921.7	918.7	916.9	918.7	920.4	918.7	916.9	918.7	921.7	924.9
60°	862.1	858.9	856.4	854.9	856.1	857.4	856.1	854.9	856.4	858.9	862.1
62.5°	799.2	795.9	793.4	791.8	793.0	794.3	793.0	791.8	793.4	795.9	799.2
65°	704.4	701.3	698.8	697.0	697.7	698.3	697.7	697.0	698.8	701.3	704.4
67.5°	608.0	604.4	600.8	598.3	599.3	600.3	599.3	598.3	600.8	604.4	608.0
70°	543.6	540.4	537.3	535.0	535.0	535.0	535.0	535.0	537.3	540.4	543.6
72.5°	478.5	475.4	472.7	470.8	470.8	470.8	470.8	470.8	472.7	475.4	478.5
75°	382.5	380.0	376.8	374.3	373.7	373.1	373.7	374.3	376.8	380.0	382.5
77.5°	284.7	282.3	280.0	278.0	277.2	276.5	277.2	278.0	280.0	282.3	284.7
80°	224.8	222.9	221.0	219.3	218.1	216.8	218.1	219.3	221.0	222.9	224.8
82.5°	166.2	163.8	161.0	159.1	160.4	161.6	160.4	159.1	161.0	163.8	166.2
85°	85.4	83.2	80.7	78.7	78.1	77.4	78.1	78.7	80.7	83.2	85.4
87.5°	30.2	30.6	30.7	30.3	31.0	29.9	31.0	30.3	30.7	30.6	30.2
90°	34.8	45.4	56.0	62.0	68.1	65.0	68.1	62.0	56.0	45.4	34.8
92.5°	69.9	87.7	100.7	111.6	116.4	115.8	116.4	111.6	100.7	87.7	69.9
95°	140.6	161.8	183.0	198.1	207.2	204.2	207.2	198.1	183.0	161.8	140.6
97.5°	216.9	245.3	268.9	283.1	292.2	298.2	292.2	283.1	268.9	245.3	216.9
100°	267.7	294.9	322.1	338.8	353.9	359.9	353.9	338.8	322.1	294.9	267.7
102.5°	308.8	344.5	374.1	392.0	404.7	410.7	404.7	392.0	374.1	344.5	308.8
105°	376.6	414.4	446.1	468.8	482.4	487.0	482.4	468.8	446.1	414.4	376.6
107.5°	444.3	483.3	512.7	537.8	554.4	564.1	554.4	537.8	512.7	483.3	444.3
110°	497.5	529.3	561.1	583.7	600.4	606.4	600.4	583.7	561.1	529.3	497.5



TEST NUMBER: P1427765

CATALOG NUMBER: SQ2W-F-K-100U-125D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	542.3	577.7	609.5	632.1	651.2	659.7	651.2	632.1	609.5	577.7	542.3
115°	604.9	651.8	680.5	701.7	715.3	722.9	715.3	701.7	680.5	651.8	604.9
117.5°	656.9	705.9	737.4	753.7	760.1	765.5	760.1	753.7	737.4	705.9	656.9
120°	689.6	735.0	771.3	792.4	800.0	803.0	800.0	792.4	771.3	735.0	689.6
122.5°	719.8	762.8	797.9	823.9	836.3	839.3	836.3	823.9	797.9	762.8	719.8
125°	762.2	803.0	839.3	865.0	878.6	886.2	878.6	865.0	839.3	803.0	762.2
127.5°	799.1	843.3	876.5	899.8	913.1	919.2	913.1	899.8	876.5	843.3	799.1
130°	819.7	865.0	898.3	924.0	936.1	942.2	936.1	924.0	898.3	865.0	819.7
132.5°	835.4	883.2	917.7	940.9	954.3	960.3	954.3	940.9	917.7	883.2	835.4
135°	854.4	904.3	940.6	963.3	975.4	981.5	975.4	963.3	940.6	904.3	854.4
137.5°	871.1	916.4	954.3	978.1	989.0	993.0	989.0	978.1	954.3	916.4	871.1
140°	883.2	922.5	960.3	983.0	995.1	996.6	995.1	983.0	960.3	922.5	883.2
142.5°	898.9	929.8	962.7	985.4	997.5	1000.2	997.5	985.4	962.7	929.8	898.9
145°	927.0	945.2	967.9	989.0	999.6	1002.6	999.6	989.0	967.9	945.2	927.0
147.5°	962.4	968.2	980.0	993.9	1004.2	1006.3	1004.2	993.9	980.0	968.2	962.4
150°	989.0	987.5	992.1	1001.1	1010.2	1008.7	1010.2	1001.1	992.1	987.5	989.0
152.5°	1019.3	1010.5	1010.2	1014.4	1018.7	1018.4	1018.7	1014.4	1010.2	1010.5	1019.3
155°	1070.7	1054.1	1045.0	1042.0	1042.0	1040.5	1042.0	1042.0	1045.0	1054.1	1070.7
157.5°	1127.3	1104.0	1090.4	1083.1	1081.0	1077.7	1081.0	1083.1	1090.4	1104.0	1127.3
160°	1166.0	1140.3	1126.7	1114.6	1110.0	1105.5	1110.0	1114.6	1126.7	1140.3	1166.0
162.5°	1202.3	1177.8	1162.9	1152.1	1147.5	1140.6	1147.5	1152.1	1162.9	1177.8	1202.3
165°	1261.2	1235.5	1218.9	1209.8	1203.8	1197.7	1203.8	1209.8	1218.9	1235.5	1261.2
167.5°	1320.2	1292.1	1281.2	1270.9	1265.2	1254.3	1265.2	1270.9	1281.2	1292.1	1320.2
170°	1356.5	1330.8	1324.8	1315.7	1305.1	1293.0	1305.1	1315.7	1324.8	1330.8	1356.5
172.5°	1388.0	1370.7	1364.7	1355.6	1352.3	1342.6	1352.3	1355.6	1364.7	1370.7	1388.0
175°	1433.6	1420.0	1420.0	1418.5	1414.0	1404.9	1414.0	1418.5	1420.0	1420.0	1433.6
177.5°	1471.8	1464.5	1469.3	1469.3	1468.1	1459.7	1468.1	1469.3	1469.3	1464.5	1471.8
180°	1497.2	1497.2	1497.2	1497.2	1497.2	1497.2	1497.2	1497.2	1497.2	1497.2	1497.2



TEST NUMBER: P1427765

CATALOG NUMBER: SQ2W-F-K-100U-125D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1999.1	1999.1	1999.1	1999.1
2.5°	2004.0	2008.0	1998.5	1989.0
5°	2000.0	2004.4	1991.9	1979.4
7.5°	1984.4	1988.4	1975.9	1963.4
10°	1970.5	1974.9	1962.4	1949.8
12.5°	1954.3	1958.0	1945.5	1932.9
15°	1923.6	1927.0	1914.5	1902.0
17.5°	1884.9	1888.0	1876.3	1864.5
20°	1857.9	1861.1	1849.9	1838.6
22.5°	1826.7	1829.6	1818.3	1807.1
25°	1774.3	1776.7	1765.4	1754.1
27.5°	1715.8	1717.7	1708.3	1699.0
30°	1674.8	1677.2	1667.8	1658.4
32.5°	1630.2	1633.4	1624.5	1615.6
35°	1560.3	1563.6	1556.1	1548.6
37.5°	1489.5	1492.8	1487.1	1481.3
40°	1440.7	1444.3	1438.0	1431.8
42.5°	1387.4	1390.6	1385.8	1381.1
45°	1307.9	1311.0	1306.6	1302.2
47.5°	1224.1	1226.5	1223.1	1219.7
50°	1166.6	1168.8	1164.4	1160.0
52.5°	1109.2	1111.2	1106.4	1101.5
55°	1020.7	1022.1	1016.4	1010.8
57.5°	928.1	929.2	923.7	918.2
60°	865.8	867.4	862.4	857.4
62.5°	803.5	805.4	800.4	795.4
65°	708.1	709.9	705.5	701.1
67.5°	611.7	613.4	609.7	605.9
70°	546.7	548.1	544.4	540.6
72.5°	482.1	484.0	480.8	477.5
75°	384.3	385.3	383.4	381.5
77.5°	287.1	288.9	288.9	288.9
80°	226.7	228.1	228.1	228.1
82.5°	168.1	169.8	170.8	171.8
85°	87.3	89.0	90.3	91.5
87.5°	30.2	29.5	29.3	29.1
90°	27.2	16.6	10.6	4.5
92.5°	58.7	40.8	28.7	16.6
95°	118.0	93.8	66.5	46.9
97.5°	187.8	148.8	121.9	89.5
100°	225.3	187.5	161.8	127.0
102.5°	266.5	234.7	199.3	164.5
105°	340.3	300.9	260.1	220.8
107.5°	408.6	365.4	316.4	281.0
110°	452.2	405.3	353.9	322.1



TEST NUMBER: P1427765

CATALOG NUMBER: SQ2W-F-K-100U-125D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	494.5	446.4	393.8	362.0
115°	552.0	499.1	450.7	423.4
117.5°	607.3	552.9	501.8	480.3
120°	641.2	586.8	536.9	520.2
122.5°	669.0	615.8	569.5	562.6
125°	710.8	656.3	617.0	626.1
127.5°	744.6	694.7	669.9	690.2
130°	765.2	721.4	706.2	735.0
132.5°	783.4	749.2	742.5	782.2
135°	810.6	790.9	797.0	851.4
137.5°	842.9	835.4	855.7	924.3
140°	863.5	868.1	896.8	973.9
142.5°	891.3	901.9	939.1	1021.1
145°	934.6	957.3	1005.7	1087.3
147.5°	983.6	1012.9	1072.8	1156.6
150°	1016.3	1054.1	1117.6	1197.7
152.5°	1053.8	1092.8	1156.3	1237.7
155°	1111.5	1155.4	1221.9	1291.5
157.5°	1170.5	1215.3	1278.8	1339.6
160°	1206.8	1255.2	1312.7	1368.6
162.5°	1247.9	1292.7	1342.9	1392.8
165°	1308.1	1344.4	1385.3	1427.6
167.5°	1358.6	1388.9	1420.9	1453.9
170°	1391.3	1415.5	1442.7	1468.4
172.5°	1419.1	1438.5	1458.4	1480.5
175°	1456.3	1466.9	1479.0	1492.6
177.5°	1485.1	1488.7	1492.3	1498.4
180°	1497.2	1497.2	1497.2	1497.2



TEST NUMBER: P1427765
 CATALOG NUMBER: SQ2W-F-K-100U-125D-L830-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	20.49	21.43	21.39	22.35	23.52	20.41	21.34	21.31	22.26	23.44
	3H	22.29	23.13	23.20	24.06	25.26	22.19	23.03	23.10	23.95	25.16
	4H	22.99	23.78	23.91	24.72	25.93	22.87	23.67	23.80	24.60	25.81
	6H	23.43	24.16	24.37	25.10	26.33	23.29	24.02	24.22	24.96	26.19
	8H	23.59	24.29	24.54	25.25	26.47	23.44	24.13	24.38	25.09	26.31
	12H	23.68	24.34	24.63	25.29	26.54	23.50	24.17	24.45	25.12	26.37
4H	2H	21.08	21.88	22.01	22.81	24.02	21.02	21.81	21.95	22.74	23.96
	3H	23.11	23.77	24.05	24.74	25.97	23.02	23.68	23.96	24.65	25.87
	4H	23.93	24.53	24.88	25.49	26.74	23.82	24.42	24.77	25.38	26.63
	6H	24.48	25.01	25.45	25.99	27.24	24.34	24.87	25.31	25.85	27.10
	8H	24.70	25.19	25.67	26.17	27.43	24.54	25.03	25.51	26.01	27.27
	12H	24.82	25.26	25.80	26.25	27.52	24.63	25.07	25.62	26.07	27.34
8H	4H	24.18	24.67	25.14	25.64	26.91	24.08	24.57	25.05	25.55	26.81
	6H	24.87	25.28	25.86	26.29	27.56	24.74	25.14	25.73	26.16	27.43
	8H	25.18	25.53	26.18	26.54	27.82	25.02	25.38	26.02	26.38	27.67
	12H	25.36	25.68	26.37	26.68	28.01	25.17	25.49	26.18	26.49	27.81
12H	4H	24.18	24.62	25.16	25.61	26.88	24.08	24.52	25.07	25.52	26.79
	6H	24.92	25.28	25.92	26.29	27.57	24.80	25.15	25.80	26.16	27.44
	8H	25.26	25.57	26.26	26.57	27.90	25.11	25.42	26.11	26.42	27.75