

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: P1435829

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

Issue Date: 3/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1435829
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-100U-125D-L830-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - FROSTED CONTINUOUS ASYMMETRIC 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

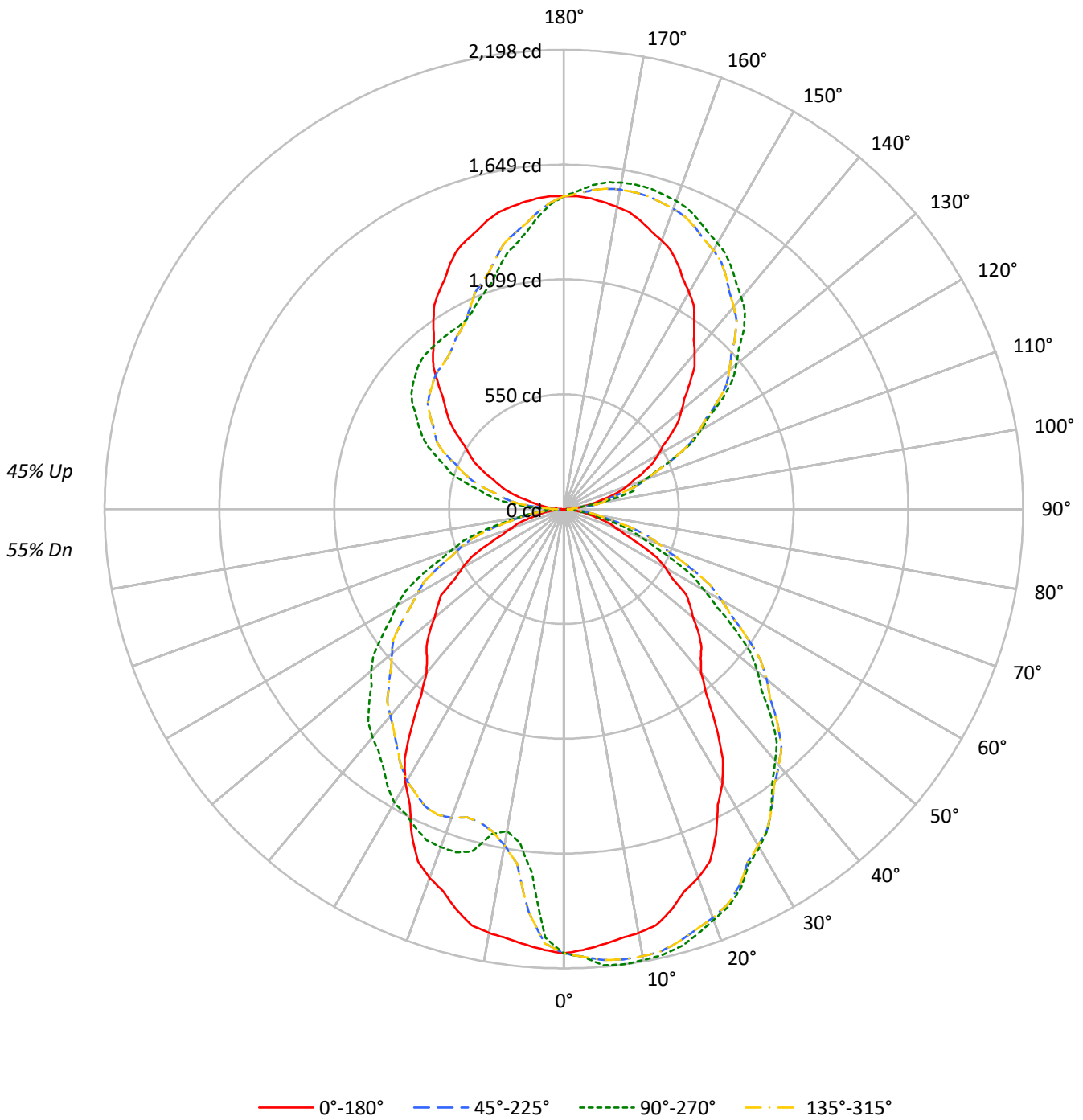
Lumens per Lamp: N/A
Luminaire Lumens: 9656.2 lumens
Efficiency: N/A
Efficacy: 117.3 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.23 / 1.34
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

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

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Luminous Intensity Polar Plot





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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	108	108	108	108	100	100	100	100	86	86	86	73	73	73	60	60	60	55				
1	99	95	91	87	92	88	85	82	76	73	71	64	62	61	54	52	51	46				
2	90	83	77	71	83	77	72	67	66	62	59	56	53	51	47	45	43	39				
3	82	73	65	60	76	68	61	56	59	54	49	50	46	43	42	39	37	33				
4	75	64	56	50	70	60	53	48	52	47	42	44	40	37	37	34	32	28				
5	69	57	49	43	64	54	46	41	47	41	36	40	35	32	34	30	28	25				
6	64	51	43	37	59	48	41	36	42	36	32	36	31	28	31	27	24	22				
7	59	46	38	33	54	44	36	31	38	32	28	33	28	25	28	24	22	19				
8	55	42	34	29	51	40	33	28	35	29	25	30	25	22	26	22	19	17				
9	51	39	31	26	47	36	29	25	32	26	22	28	23	20	24	20	17	15				
10	48	35	28	23	44	33	27	22	29	24	20	25	21	18	22	18	16	14				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	34317	34317	34317	34317
5°	33914	35517	33914	28306
10°	33766	35927	33766	25662
15°	33188	36217	33188	28367
20°	32274	35953	32274	29584
25°	30673	35663	30673	29939
30°	28261	34865	28261	30258
35°	25006	34100	25006	29715
40°	21532	33164	21532	30038
45°	21255	31978	21255	30097
50°	20280	30418	20280	30212
55°	20174	28059	20174	29917
60°	18089	25006	18089	29795
65°	15423	22032	15423	28955
70°	12444	18665	12444	26832
75°	10792	15421	10792	24666
80°	9196	11492	9196	19916
85°	6113	6113	6113	12208

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 32983 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.2	2.0
10°-20°	534.4	5.5
20°-30°	811.5	8.4
30°-40°	952.8	9.9
40°-50°	966.9	10.0
50°-60°	846.9	8.8
60°-70°	600.7	6.2
70°-80°	309.3	3.2
80°-90°	71.0	0.7
90°-100°	119.2	1.2
100°-110°	347.5	3.6
110°-120°	567.1	5.9
120°-130°	719.6	7.5
130°-140°	770.0	8.0
140°-150°	719.0	7.4
150°-160°	591.6	6.1
160°-170°	396.8	4.1
170°-180°	140.9	1.5
0°-30°	1537.1	15.9
0°-40°	2489.9	25.8
0°-60°	4303.7	44.6
0°-90°	5284.7	54.7
90°-120°	1033.7	10.7
90°-150°	3242.2	33.6
90°-180°	4371.0	45.3
0°-180°	9656.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2126	2126	2126	2126	2126	
5°	2092	2191	2092	1746	2092	199
15°	1986	2167	1986	1697	1986	558
25°	1722	2002	1722	1681	1722	786
35°	1269	1730	1269	1508	1269	790
45°	931	1400	931	1318	931	712
55°	717	997	717	1063	717	620
65°	404	577	404	758	404	403
75°	173	247	173	395	173	187
85°	33	33	33	66	33	41
90°	4	33	4	65	4	5
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°	2125.5	2125.5	2125.5	2125.5	2125.5	2125.5	2125.5	2125.5	2125.5	2125.5	2125.5
2.5°	2112.3	2127.0	2141.6	2145.3	2145.3	2145.3	2145.3	2145.3	2145.3	2145.3	2145.3
5°	2092.5	2118.2	2143.8	2155.7	2163.0	2168.5	2172.2	2176.8	2184.1	2191.4	2184.1
7.5°	2072.8	2107.2	2141.6	2158.5	2169.4	2178.2	2184.8	2190.7	2194.3	2198.0	2194.3
10°	2059.6	2099.9	2140.1	2158.5	2169.4	2176.8	2180.4	2184.1	2187.7	2191.4	2187.7
12.5°	2039.8	2083.0	2126.2	2147.5	2161.4	2170.2	2173.8	2177.5	2181.2	2184.8	2181.2
15°	1985.5	2044.0	2102.6	2125.5	2136.5	2145.6	2153.0	2159.4	2163.0	2166.7	2163.0
17.5°	1917.9	1988.9	2060.0	2088.7	2103.4	2114.0	2120.6	2126.2	2129.2	2132.1	2129.2
20°	1878.4	1955.2	2032.1	2062.3	2077.0	2086.1	2089.8	2092.5	2092.5	2092.5	2092.5
22.5°	1825.6	1911.3	1997.0	2029.4	2044.0	2051.7	2052.5	2053.7	2056.7	2059.6	2056.7
25°	1721.8	1820.7	1919.5	1960.7	1982.7	1991.9	1988.2	1987.3	1994.6	2001.9	1994.6
27.5°	1595.0	1719.4	1843.9	1886.0	1900.7	1909.8	1913.5	1916.2	1916.2	1916.2	1916.2
30°	1515.9	1655.0	1794.1	1839.9	1854.6	1863.7	1867.4	1870.1	1870.1	1870.1	1870.1
32.5°	1417.0	1582.5	1748.0	1798.2	1809.9	1816.1	1816.8	1817.4	1817.4	1817.4	1817.4
35°	1268.7	1470.1	1671.5	1727.3	1734.6	1738.3	1738.3	1737.4	1733.7	1730.1	1733.7
37.5°	1120.4	1348.9	1577.4	1642.7	1653.7	1656.6	1651.5	1646.8	1643.1	1639.4	1643.1
40°	1021.6	1270.5	1519.5	1590.0	1601.0	1601.0	1590.0	1580.9	1577.2	1573.5	1577.2
42.5°	968.8	1214.9	1460.9	1530.7	1541.7	1540.2	1526.3	1514.9	1511.3	1507.6	1511.3
45°	930.9	1150.6	1370.3	1433.5	1444.5	1442.6	1428.0	1415.2	1407.8	1400.5	1407.8
47.5°	873.3	1066.6	1259.9	1322.0	1340.3	1338.5	1316.5	1298.2	1290.9	1283.5	1290.9
50°	807.4	997.8	1188.2	1249.5	1267.8	1266.0	1244.0	1225.7	1218.4	1211.0	1218.4
52.5°	761.2	939.9	1118.6	1174.8	1190.2	1185.4	1160.5	1140.0	1132.7	1125.4	1132.7
55°	716.7	866.9	1017.0	1062.8	1073.7	1066.4	1040.8	1018.8	1007.8	996.8	1007.8
57.5°	612.9	755.7	898.5	943.0	954.7	945.9	916.7	891.6	879.1	866.7	879.1
60°	560.2	688.4	816.5	859.5	874.2	866.9	837.6	811.0	792.7	774.4	792.7
62.5°	500.9	614.4	727.9	771.7	792.2	787.8	758.5	731.9	713.6	695.3	713.6
65°	403.7	502.5	601.4	645.3	671.0	669.1	639.8	613.3	595.0	576.7	595.0
67.5°	316.4	401.3	486.2	529.5	558.7	557.3	525.1	497.2	482.6	467.9	482.6
70°	263.6	336.9	410.1	450.4	479.7	479.7	450.4	424.7	410.1	395.4	410.1
72.5°	230.7	286.3	342.0	380.1	412.3	412.3	380.1	353.0	341.3	329.5	341.3
75°	173.0	206.0	238.9	274.6	311.2	314.9	285.6	261.8	254.5	247.2	254.5
77.5°	125.2	140.6	156.0	184.0	216.2	219.9	195.0	175.6	172.6	169.7	172.6
80°	98.9	102.5	106.2	129.1	158.4	162.0	140.1	123.6	123.6	123.6	123.6
82.5°	65.9	69.6	73.2	89.5	110.0	112.2	96.1	83.3	80.4	77.4	80.4
85°	33.0	33.0	33.0	38.4	45.8	45.8	38.4	33.0	33.0	33.0	33.0
87.5°	7.5	8.7	10.2	13.6	17.5	17.8	14.8	12.9	13.2	13.2	13.2
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°	2125.5	2125.5	2125.5	2125.5	2125.5	2125.5	2125.5	2125.5	2125.5	2125.5	2125.5
2.5°	2145.3	2145.3	2145.3	2145.3	2145.3	2141.6	2127.0	2112.3	2112.3	2112.3	2101.3
5°	2176.8	2172.2	2168.5	2163.0	2155.7	2143.8	2118.2	2092.5	2081.6	2070.6	2023.9
7.5°	2190.7	2184.8	2178.2	2169.4	2158.5	2141.6	2107.2	2072.8	2023.7	1974.6	1870.7
10°	2184.1	2180.4	2176.8	2169.4	2158.5	2140.1	2099.9	2059.6	1960.7	1861.9	1763.0
12.5°	2177.5	2173.8	2170.2	2161.4	2147.5	2126.2	2083.0	2039.8	1900.0	1760.1	1670.7
15°	2159.4	2153.0	2145.6	2136.5	2125.5	2102.6	2044.0	1985.5	1828.0	1670.6	1595.5
17.5°	2126.2	2120.6	2114.0	2103.4	2088.7	2060.0	1988.9	1917.9	1753.1	1588.4	1540.0
20°	2092.5	2089.8	2086.1	2077.0	2062.3	2032.1	1955.2	1878.4	1713.6	1548.8	1526.8
22.5°	2053.7	2052.5	2051.7	2044.0	2029.4	1997.0	1911.3	1825.6	1663.8	1501.9	1502.7
25°	1987.3	1988.2	1991.9	1982.7	1960.7	1919.5	1820.7	1721.8	1579.0	1436.2	1460.9
27.5°	1916.2	1913.5	1909.8	1900.7	1886.0	1843.9	1719.4	1595.0	1482.2	1369.4	1410.4
30°	1870.1	1867.4	1863.7	1854.6	1839.9	1794.1	1655.0	1515.9	1420.7	1325.5	1373.1
32.5°	1817.4	1816.8	1816.1	1809.9	1798.2	1748.0	1582.5	1417.0	1348.2	1279.3	1329.1
35°	1737.4	1738.3	1738.3	1734.6	1727.3	1671.5	1470.1	1268.7	1239.4	1210.1	1268.7
37.5°	1646.8	1651.5	1656.6	1653.7	1642.7	1577.4	1348.9	1120.4	1129.9	1139.5	1210.5
40°	1580.9	1590.0	1601.0	1601.0	1590.0	1519.5	1270.5	1021.6	1054.5	1087.5	1164.4
42.5°	1514.9	1526.3	1540.2	1541.7	1530.7	1460.9	1214.9	968.8	1004.7	1040.6	1120.4
45°	1415.2	1428.0	1442.6	1444.5	1433.5	1370.3	1150.6	930.9	952.9	974.9	1051.8
47.5°	1298.2	1316.5	1338.5	1340.3	1322.0	1259.9	1066.6	873.3	889.4	905.5	984.2
50°	1225.7	1244.0	1266.0	1267.8	1249.5	1188.2	997.8	807.4	829.3	851.3	933.7
52.5°	1140.0	1160.5	1185.4	1190.2	1174.8	1118.6	939.9	761.2	774.4	787.6	876.6
55°	1018.8	1040.8	1066.4	1073.7	1062.8	1017.0	866.9	716.7	705.8	694.8	785.4
57.5°	891.6	916.7	945.9	954.7	943.0	898.5	755.7	612.9	603.4	593.9	692.0
60°	811.0	837.6	866.9	874.2	859.5	816.5	688.4	560.2	541.9	523.6	626.1
62.5°	731.9	758.5	787.8	792.2	771.7	727.9	614.4	500.9	488.4	476.0	575.6
65°	613.3	639.8	669.1	671.0	645.3	601.4	502.5	403.7	411.0	418.3	508.0
67.5°	497.2	525.1	557.3	558.7	529.5	486.2	401.3	316.4	340.5	364.7	445.4
70°	424.7	450.4	479.7	479.7	450.4	410.1	336.9	263.6	296.6	329.5	403.7
72.5°	353.0	380.1	412.3	412.3	380.1	342.0	286.3	230.7	263.6	296.6	357.5
75°	261.8	285.6	314.9	311.2	274.6	238.9	206.0	173.0	206.0	238.9	285.6
77.5°	175.6	195.0	219.9	216.2	184.0	156.0	140.6	125.2	152.3	179.4	212.0
80°	123.6	140.1	162.0	158.4	129.1	106.2	102.5	98.9	117.2	135.5	159.3
82.5°	83.3	96.1	112.2	110.0	89.5	73.2	69.6	65.9	81.3	96.7	113.1
85°	33.0	38.4	45.8	45.8	38.4	33.0	33.0	33.0	40.3	47.6	54.9
87.5°	12.9	14.8	17.8	17.5	13.6	10.2	8.7	7.5	11.6	15.8	18.6
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: P1435829

CATALOG NUMBER: SQ2W-FA-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: P1435829

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2125.5	2125.5	2125.5	2125.5	2125.5	2125.5	2125.5	2125.5	2125.5	2125.5	2125.5
2.5°	2086.7	2075.0	2066.2	2058.9	2055.9	2053.0	2055.9	2058.9	2066.2	2075.0	2086.7
5°	1965.3	1903.1	1837.2	1783.2	1764.8	1746.5	1764.8	1783.2	1837.2	1903.1	1965.3
7.5°	1748.4	1673.3	1645.5	1623.1	1617.3	1611.4	1617.3	1623.1	1645.5	1673.3	1748.4
10°	1664.2	1603.7	1581.8	1565.3	1565.3	1565.3	1565.3	1565.3	1581.8	1603.7	1664.2
12.5°	1598.2	1561.3	1559.8	1562.4	1577.0	1591.7	1577.0	1562.4	1559.8	1561.3	1598.2
15°	1547.9	1553.4	1612.0	1660.5	1678.8	1697.1	1678.8	1660.5	1612.0	1553.4	1547.9
17.5°	1530.5	1562.0	1634.5	1692.5	1707.2	1721.8	1707.2	1692.5	1634.5	1562.0	1530.5
20°	1552.5	1592.8	1647.7	1692.5	1707.2	1721.8	1707.2	1692.5	1647.7	1592.8	1552.5
22.5°	1557.6	1606.7	1649.9	1685.9	1700.6	1715.2	1700.6	1685.9	1649.9	1606.7	1557.6
25°	1541.5	1600.1	1636.7	1666.0	1673.3	1680.6	1673.3	1666.0	1636.7	1600.1	1541.5
27.5°	1502.7	1567.1	1603.7	1632.5	1637.6	1642.7	1637.6	1632.5	1603.7	1567.1	1502.7
30°	1468.3	1534.2	1570.8	1601.0	1612.0	1623.0	1612.0	1601.0	1570.8	1534.2	1468.3
32.5°	1418.5	1485.8	1531.2	1565.8	1568.0	1570.2	1568.0	1565.8	1531.2	1485.8	1418.5
35°	1356.6	1426.2	1477.4	1514.9	1511.3	1507.6	1511.3	1514.9	1477.4	1426.2	1356.6
37.5°	1302.0	1370.1	1414.8	1449.4	1453.8	1458.2	1453.8	1449.4	1414.8	1370.1	1302.0
40°	1255.9	1325.5	1373.1	1410.6	1417.9	1425.2	1417.9	1410.6	1373.1	1325.5	1255.9
42.5°	1214.9	1285.9	1333.5	1371.1	1378.4	1385.7	1378.4	1371.1	1333.5	1285.9	1214.9
45°	1147.0	1220.2	1271.5	1310.8	1314.5	1318.1	1314.5	1310.8	1271.5	1220.2	1147.0
47.5°	1083.8	1157.4	1205.0	1241.6	1245.3	1248.9	1245.3	1241.6	1205.0	1157.4	1083.8
50°	1036.2	1111.3	1158.9	1195.5	1199.1	1202.8	1199.1	1195.5	1158.9	1111.3	1036.2
52.5°	990.8	1068.8	1110.5	1142.8	1146.4	1150.1	1146.4	1142.8	1110.5	1068.8	990.8
55°	909.9	992.3	1032.5	1062.8	1062.8	1062.8	1062.8	1062.8	1032.5	992.3	909.9
57.5°	826.0	910.6	945.8	973.2	977.6	982.0	977.6	973.2	945.8	910.6	826.0
60°	768.9	855.0	884.3	908.1	915.4	922.7	915.4	908.1	884.3	855.0	768.9
62.5°	712.5	795.6	824.9	848.0	852.4	856.8	852.4	848.0	824.9	795.6	712.5
65°	625.2	698.4	727.7	750.6	754.3	757.9	754.3	750.6	727.7	698.4	625.2
67.5°	545.0	605.1	625.6	641.7	644.6	647.5	644.6	641.7	625.6	605.1	545.0
70°	491.6	542.8	557.5	568.4	568.4	568.4	568.4	568.4	557.5	542.8	491.6
72.5°	427.8	470.3	485.0	496.7	499.6	502.5	499.6	496.7	485.0	470.3	427.8
75°	336.9	368.0	379.0	388.1	391.8	395.4	391.8	388.1	379.0	368.0	336.9
77.5°	246.4	266.9	273.5	279.4	283.0	286.7	283.0	279.4	273.5	266.9	246.4
80°	184.9	199.6	203.2	206.9	210.5	214.2	210.5	206.9	203.2	199.6	184.9
82.5°	130.0	140.2	143.9	146.8	147.6	148.3	147.6	146.8	143.9	140.2	130.0
85°	62.2	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	62.2
87.5°	20.1	22.3	24.4	25.6	26.8	26.2	26.8	25.6	24.4	22.3	20.1
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: P1435829

CATALOG NUMBER: SQ2W-FA-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: P1435829

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	2125.5	2125.5	2125.5	2125.5
2.5°	2101.3	2112.3	2112.3	2112.3
5°	2023.9	2070.6	2081.6	2092.5
7.5°	1870.7	1974.6	2023.7	2072.8
10°	1763.0	1861.9	1960.7	2059.6
12.5°	1670.7	1760.1	1900.0	2039.8
15°	1595.5	1670.6	1828.0	1985.5
17.5°	1540.0	1588.4	1753.1	1917.9
20°	1526.8	1548.8	1713.6	1878.4
22.5°	1502.7	1501.9	1663.8	1825.6
25°	1460.9	1436.2	1579.0	1721.8
27.5°	1410.4	1369.4	1482.2	1595.0
30°	1373.1	1325.5	1420.7	1515.9
32.5°	1329.1	1279.3	1348.2	1417.0
35°	1268.7	1210.1	1239.4	1268.7
37.5°	1210.5	1139.5	1129.9	1120.4
40°	1164.4	1087.5	1054.5	1021.6
42.5°	1120.4	1040.6	1004.7	968.8
45°	1051.8	974.9	952.9	930.9
47.5°	984.2	905.5	889.4	873.3
50°	933.7	851.3	829.3	807.4
52.5°	876.6	787.6	774.4	761.2
55°	785.4	694.8	705.8	716.7
57.5°	692.0	593.9	603.4	612.9
60°	626.1	523.6	541.9	560.2
62.5°	575.6	476.0	488.4	500.9
65°	508.0	418.3	411.0	403.7
67.5°	445.4	364.7	340.5	316.4
70°	403.7	329.5	296.6	263.6
72.5°	357.5	296.6	263.6	230.7
75°	285.6	238.9	206.0	173.0
77.5°	212.0	179.4	152.3	125.2
80°	159.3	135.5	117.2	98.9
82.5°	113.1	96.7	81.3	65.9
85°	54.9	47.6	40.3	33.0
87.5°	18.6	15.8	11.6	7.5
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: P1435829

CATALOG NUMBER: SQ2W-FA-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: P1435829
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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	19.09	19.99	20.00	20.93	22.13	20.29	21.19	21.20	22.13	23.33
	3H	20.18	20.99	21.11	21.93	23.16	21.53	22.34	22.46	23.29	24.51
	4H	20.53	21.30	21.48	22.25	23.48	21.93	22.69	22.87	23.64	24.88
	6H	20.70	21.40	21.65	22.36	23.61	22.09	22.79	23.04	23.75	25.00
	8H	20.73	21.41	21.69	22.38	23.62	22.11	22.79	23.08	23.76	25.00
	12H	20.73	21.37	21.70	22.34	23.61	22.10	22.74	23.07	23.70	24.98
4H	2H	19.96	20.73	20.91	21.67	22.91	20.88	21.64	21.82	22.59	23.82
	3H	21.35	21.99	22.31	22.97	24.22	22.34	22.98	23.30	23.96	25.21
	4H	21.81	22.39	22.78	23.37	24.64	22.82	23.40	23.79	24.38	25.65
	6H	22.04	22.54	23.02	23.54	24.81	23.05	23.55	24.03	24.54	25.82
	8H	22.10	22.57	23.08	23.56	24.85	23.09	23.56	24.08	24.55	25.84
	12H	22.10	22.53	23.11	23.53	24.83	23.09	23.51	24.09	24.51	25.81
8H	4H	22.20	22.67	23.18	23.66	24.94	23.02	23.49	24.00	24.48	25.77
	6H	22.55	22.94	23.56	23.97	25.25	23.34	23.72	24.34	24.75	26.04
	8H	22.67	23.01	23.68	24.03	25.33	23.43	23.77	24.45	24.79	26.10
	12H	22.71	23.01	23.73	24.02	25.37	23.45	23.75	24.47	24.76	26.11
12H	4H	22.20	22.62	23.20	23.63	24.92	22.99	23.41	23.99	24.42	25.71
	6H	22.62	22.96	23.64	23.98	25.28	23.35	23.70	24.37	24.71	26.02
	8H	22.77	23.07	23.79	24.08	25.43	23.47	23.77	24.49	24.78	26.13