

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: P1435830

Luminaire Tested: SQ2W-FA-K-100U-125D-L835-UNV-STD-W-WM-4

Issue Date: 3/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1435830
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-L835-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: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

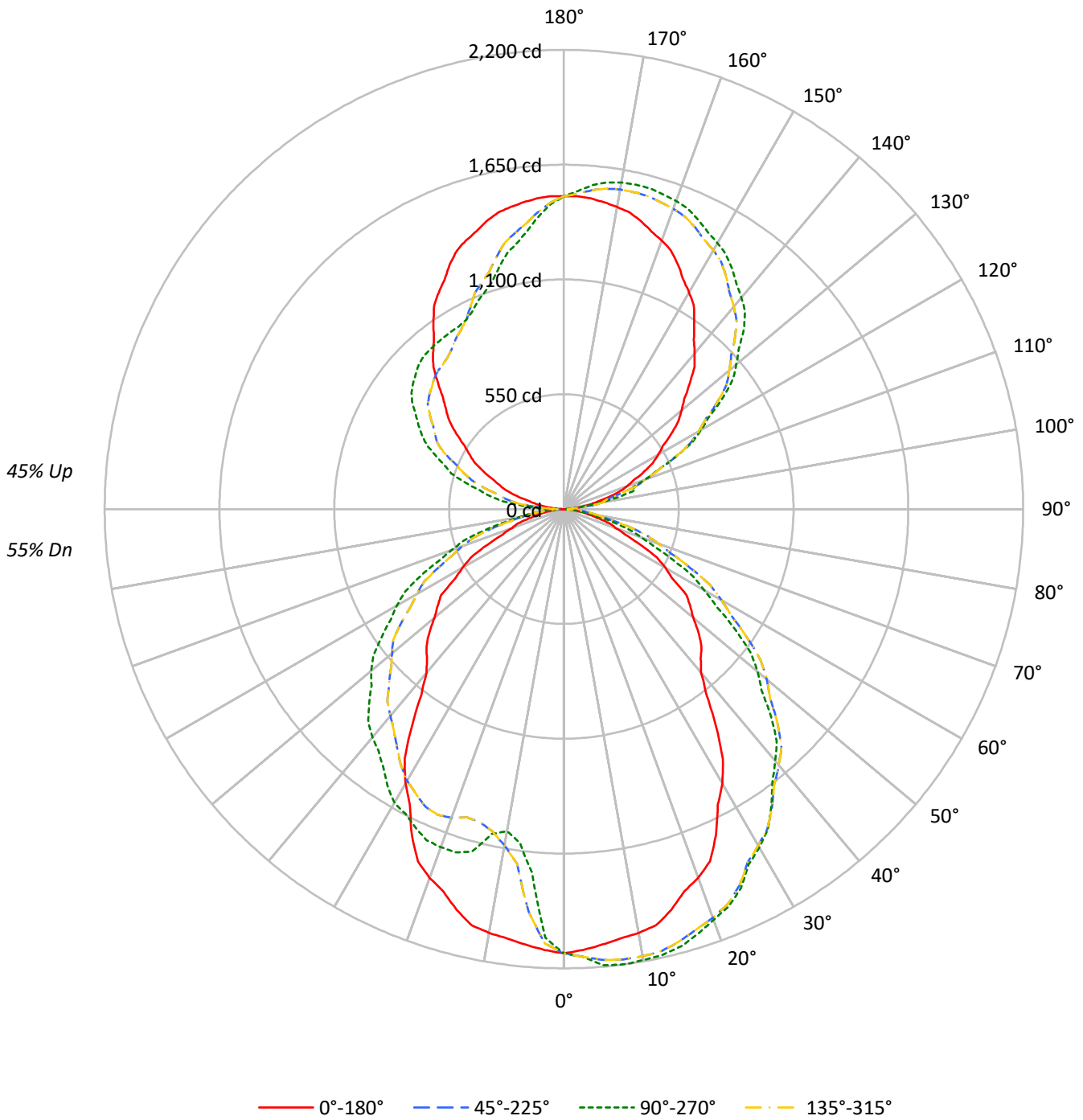
Lumens per Lamp: N/A
Luminaire Lumens: 9664.9 lumens
Efficiency: N/A
Efficacy: 117.4 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.23 / 1.34
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 82.3
Input Voltage (V): 120
Input Current (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	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	55	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°	34348	34348	34348	34348
5°	33944	35549	33944	28332
10°	33798	35960	33798	25685
15°	33216	36250	33216	28392
20°	32302	35985	32302	29611
25°	30702	35695	30702	29966
30°	28286	34896	28286	30284
35°	25030	34130	25030	29743
40°	21551	33196	21551	30066
45°	21276	32008	21276	30124
50°	20298	30446	20298	30240
55°	20194	28084	20194	29942
60°	18106	25029	18106	29821
65°	15434	22051	15434	28981
70°	12458	18684	12458	26860
75°	10804	15433	10804	24691
80°	9196	11501	9196	19935
85°	6113	6113	6113	12226

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 33012 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.4	2.0
10°-20°	534.9	5.5
20°-30°	812.3	8.4
30°-40°	953.6	9.9
40°-50°	967.8	10.0
50°-60°	847.7	8.8
60°-70°	601.2	6.2
70°-80°	309.6	3.2
80°-90°	71.1	0.7
90°-100°	119.3	1.2
100°-110°	347.8	3.6
110°-120°	567.6	5.9
120°-130°	720.2	7.5
130°-140°	770.6	8.0
140°-150°	719.6	7.4
150°-160°	592.1	6.1
160°-170°	397.1	4.1
170°-180°	141.0	1.5
0°-30°	1538.5	15.9
0°-40°	2492.2	25.8
0°-60°	4307.6	44.6
0°-90°	5289.5	54.7
90°-120°	1034.6	10.7
90°-150°	3245.1	33.6
90°-180°	4375.0	45.3
0°-180°	9664.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2127	2127	2127	2127	2127	
5°	2094	2193	2094	1748	2094	199
15°	1987	2169	1987	1699	1987	558
25°	1723	2004	1723	1682	1723	787
35°	1270	1732	1270	1509	1270	791
45°	932	1402	932	1319	932	712
55°	717	998	717	1064	717	621
65°	404	577	404	759	404	403
75°	173	247	173	396	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°	424	587	424	724	424	418
125°	627	931	627	887	627	561
135°	852	1218	852	982	852	659
145°	1088	1405	1088	1004	1088	681
155°	1293	1526	1293	1041	1293	594
165°	1429	1591	1429	1199	1429	402
175°	1494	1558	1494	1406	1494	142
180°	1498	1498	1498	1498	1498	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	2127.4	2127.4	2127.4	2127.4	2127.4	2127.4	2127.4	2127.4	2127.4	2127.4	2127.4
2.5°	2114.2	2128.9	2143.5	2147.2	2147.2	2147.2	2147.2	2147.2	2147.2	2147.2	2147.2
5°	2094.4	2120.1	2145.7	2157.7	2165.0	2170.5	2174.1	2178.7	2186.1	2193.4	2186.1
7.5°	2074.6	2109.1	2143.5	2160.4	2171.4	2180.2	2186.8	2192.7	2196.3	2200.0	2196.3
10°	2061.5	2101.8	2142.1	2160.4	2171.4	2178.7	2182.4	2186.1	2189.7	2193.4	2189.7
12.5°	2041.7	2084.9	2128.2	2149.4	2163.3	2172.1	2175.8	2179.5	2183.1	2186.8	2183.1
15°	1987.2	2045.9	2104.5	2127.4	2138.4	2147.6	2154.9	2161.3	2165.0	2168.7	2165.0
17.5°	1919.6	1990.7	2061.8	2090.6	2105.3	2115.9	2122.5	2128.2	2131.1	2134.0	2131.1
20°	1880.0	1957.0	2034.0	2064.2	2078.9	2088.0	2091.7	2094.4	2094.4	2094.4	2094.4
22.5°	1827.3	1913.0	1998.8	2031.2	2045.9	2053.6	2054.3	2055.6	2058.5	2061.5	2058.5
25°	1723.4	1822.3	1921.3	1962.5	1984.5	1993.7	1990.0	1989.1	1996.4	2003.7	1996.4
27.5°	1596.4	1721.0	1845.6	1887.7	1902.4	1911.6	1915.2	1918.0	1918.0	1918.0	1918.0
30°	1517.2	1656.5	1795.8	1841.6	1856.2	1865.4	1869.1	1871.8	1871.8	1871.8	1871.8
32.5°	1418.3	1583.9	1749.6	1799.8	1811.5	1817.7	1818.5	1819.0	1819.0	1819.0	1819.0
35°	1269.9	1471.4	1673.0	1728.9	1736.2	1739.9	1739.9	1739.0	1735.3	1731.6	1735.3
37.5°	1121.4	1350.1	1578.8	1644.2	1655.2	1658.1	1653.0	1648.2	1644.6	1640.9	1644.6
40°	1022.5	1271.7	1520.9	1591.4	1602.4	1602.4	1591.4	1582.3	1578.6	1575.0	1578.6
42.5°	969.7	1216.0	1462.3	1532.1	1543.1	1541.6	1527.7	1516.3	1512.7	1509.0	1512.7
45°	931.8	1151.7	1371.6	1434.8	1445.8	1443.9	1429.3	1416.4	1409.1	1401.8	1409.1
47.5°	874.1	1067.6	1261.1	1323.2	1341.5	1339.7	1317.7	1299.4	1292.0	1284.7	1292.0
50°	808.1	998.7	1189.2	1250.6	1268.9	1267.1	1245.1	1226.8	1219.5	1212.1	1219.5
52.5°	761.9	940.8	1119.6	1175.9	1191.2	1186.5	1161.6	1141.0	1133.7	1126.4	1133.7
55°	717.4	867.6	1017.9	1063.7	1074.7	1067.4	1041.7	1019.7	1008.7	997.7	1008.7
57.5°	613.5	756.4	899.3	943.9	955.6	946.8	917.5	892.4	879.9	867.5	879.9
60°	560.7	689.0	817.3	860.3	875.0	867.6	838.3	811.8	793.4	775.1	793.4
62.5°	501.3	615.0	728.6	772.4	792.9	788.5	759.2	732.6	714.3	695.9	714.3
65°	404.0	503.0	601.9	645.9	671.6	669.7	640.4	613.9	595.5	577.2	595.5
67.5°	316.6	401.7	486.7	529.9	559.2	557.8	525.5	497.7	483.0	468.4	483.0
70°	263.9	337.2	410.5	450.8	480.1	480.1	450.8	425.1	410.5	395.8	410.5
72.5°	230.9	286.6	342.3	380.4	412.7	412.7	380.4	353.3	341.6	329.8	341.6
75°	173.2	206.1	239.1	274.9	311.5	315.2	285.9	262.0	254.7	247.4	254.7
77.5°	125.3	140.7	156.1	184.2	216.4	220.1	195.2	175.7	172.8	169.9	172.8
80°	98.9	102.6	106.3	129.2	158.5	162.2	140.2	123.7	123.7	123.7	123.7
82.5°	66.0	69.6	73.3	89.6	110.1	112.3	96.2	83.4	80.4	77.5	80.4
85°	33.0	33.0	33.0	38.5	45.8	45.8	38.5	33.0	33.0	33.0	33.0
87.5°	7.5	8.7	10.2	13.6	17.5	17.8	14.9	13.0	13.3	13.3	13.3
90°	4.5	10.6	18.2	24.2	28.8	30.3	30.3	31.8	33.3	33.3	33.3
92.5°	16.7	26.3	26.6	26.6	32.4	35.1	37.5	37.8	39.4	39.4	39.4
95°	46.9	51.5	77.2	75.7	51.5	40.9	34.8	34.8	34.8	34.8	34.8
97.5°	89.6	96.3	100.5	134.7	142.3	137.4	112.0	94.1	84.2	79.6	84.2
100°	127.1	130.2	139.3	140.8	178.6	214.9	196.8	174.1	166.5	162.0	166.5
102.5°	164.7	166.5	180.4	186.8	195.6	216.1	279.1	272.2	267.0	266.1	267.0
105°	221.0	222.5	248.2	260.3	266.4	266.4	264.9	295.2	343.6	354.2	343.6
107.5°	281.2	288.2	318.5	350.9	357.8	359.6	351.8	347.2	345.4	346.6	345.4
110°	322.4	333.0	369.3	410.2	420.8	423.8	420.8	416.3	413.2	413.2	413.2



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	362.4	377.8	419.0	465.9	483.8	492.8	486.2	482.9	479.8	482.2	479.8
115°	423.8	446.5	501.0	549.5	585.8	590.3	588.8	588.8	587.3	587.3	587.3
117.5°	480.7	517.1	578.2	634.5	676.6	688.7	694.8	692.9	691.1	694.2	691.1
120°	520.7	563.1	632.7	696.3	737.1	755.3	761.4	758.3	761.4	758.3	761.4
122.5°	563.1	615.1	683.6	749.6	797.7	818.3	825.5	826.2	826.8	824.9	826.8
125°	626.7	690.2	770.4	838.6	888.5	912.7	918.8	920.3	923.3	930.9	923.3
127.5°	690.8	762.9	851.0	916.7	967.8	997.2	1006.6	1009.9	1016.3	1019.6	1016.3
130°	735.6	817.4	906.7	968.7	1018.7	1050.5	1067.1	1071.7	1079.2	1077.7	1079.2
132.5°	782.9	868.2	958.7	1023.2	1069.5	1103.8	1118.0	1131.0	1133.7	1135.8	1133.7
135°	852.2	944.5	1035.3	1098.9	1142.8	1176.1	1194.3	1206.4	1213.9	1218.5	1213.9
137.5°	925.1	1022.6	1109.8	1166.4	1210.6	1239.4	1260.0	1272.7	1280.5	1284.2	1280.5
140°	974.8	1068.6	1153.4	1212.4	1251.8	1280.5	1298.7	1313.8	1322.9	1322.9	1322.9
142.5°	1022.0	1114.7	1197.0	1256.0	1290.5	1316.9	1336.3	1347.8	1358.0	1358.0	1358.0
145°	1088.3	1180.6	1256.3	1315.4	1344.1	1368.3	1389.5	1398.6	1404.7	1404.7	1404.7
147.5°	1157.6	1239.4	1308.4	1365.0	1389.2	1417.7	1434.3	1441.6	1449.2	1445.8	1449.2
150°	1198.8	1274.5	1341.1	1394.1	1418.3	1445.5	1462.2	1468.2	1475.8	1471.3	1475.8
152.5°	1238.8	1310.8	1371.4	1420.7	1441.3	1468.5	1487.6	1493.7	1498.8	1495.5	1498.8
155°	1292.7	1356.2	1412.2	1457.6	1475.8	1501.5	1519.7	1527.3	1533.3	1525.8	1533.3
157.5°	1340.8	1395.6	1444.3	1486.1	1505.5	1527.6	1544.5	1553.9	1560.0	1556.6	1560.0
160°	1369.9	1419.8	1463.7	1503.1	1521.2	1540.9	1559.1	1569.7	1575.7	1571.2	1575.7
162.5°	1394.1	1439.2	1480.7	1516.4	1532.1	1549.4	1571.2	1580.6	1586.6	1580.9	1586.6
165°	1428.9	1465.2	1501.5	1531.8	1545.4	1559.1	1581.8	1592.4	1596.9	1590.8	1596.9
167.5°	1455.2	1483.1	1512.4	1538.5	1548.5	1561.8	1584.5	1593.3	1599.0	1591.5	1599.0
170°	1469.8	1494.0	1519.7	1540.9	1548.5	1560.6	1583.3	1590.8	1595.4	1587.8	1595.4
172.5°	1481.9	1500.0	1520.9	1539.7	1543.6	1553.3	1574.8	1582.4	1585.7	1579.3	1585.7
175°	1494.0	1504.6	1519.7	1531.8	1530.3	1536.4	1554.5	1560.6	1566.6	1557.5	1566.6
177.5°	1499.7	1504.6	1509.4	1516.7	1511.8	1511.8	1525.2	1528.8	1530.0	1525.2	1530.0
180°	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	2127.4	2127.4	2127.4	2127.4	2127.4	2127.4	2127.4	2127.4	2127.4	2127.4	2127.4
2.5°	2147.2	2147.2	2147.2	2147.2	2147.2	2143.5	2128.9	2114.2	2114.2	2114.2	2103.2
5°	2178.7	2174.1	2170.5	2165.0	2157.7	2145.7	2120.1	2094.4	2083.4	2072.4	2025.7
7.5°	2192.7	2186.8	2180.2	2171.4	2160.4	2143.5	2109.1	2074.6	2025.5	1976.4	1872.4
10°	2186.1	2182.4	2178.7	2171.4	2160.4	2142.1	2101.8	2061.5	1962.5	1863.6	1764.6
12.5°	2179.5	2175.8	2172.1	2163.3	2149.4	2128.2	2084.9	2041.7	1901.7	1761.7	1672.3
15°	2161.3	2154.9	2147.6	2138.4	2127.4	2104.5	2045.9	1987.2	1829.7	1672.1	1596.9
17.5°	2128.2	2122.5	2115.9	2105.3	2090.6	2061.8	1990.7	1919.6	1754.7	1589.8	1541.4
20°	2094.4	2091.7	2088.0	2078.9	2064.2	2034.0	1957.0	1880.0	1715.1	1550.2	1528.2
22.5°	2055.6	2054.3	2053.6	2045.9	2031.2	1998.8	1913.0	1827.3	1665.3	1503.3	1504.0
25°	1989.1	1990.0	1993.7	1984.5	1962.5	1921.3	1822.3	1723.4	1580.4	1437.5	1462.3
27.5°	1918.0	1915.2	1911.6	1902.4	1887.7	1845.6	1721.0	1596.4	1483.5	1370.6	1411.7
30°	1871.8	1869.1	1865.4	1856.2	1841.6	1795.8	1656.5	1517.2	1421.9	1326.7	1374.3
32.5°	1819.0	1818.5	1817.7	1811.5	1799.8	1749.6	1583.9	1418.3	1349.4	1280.5	1330.3
35°	1739.0	1739.9	1739.9	1736.2	1728.9	1673.0	1471.4	1269.9	1240.5	1211.2	1269.9
37.5°	1648.2	1653.0	1658.1	1655.2	1644.2	1578.8	1350.1	1121.4	1131.0	1140.5	1211.6
40°	1582.3	1591.4	1602.4	1602.4	1591.4	1520.9	1271.7	1022.5	1055.5	1088.4	1165.4
42.5°	1516.3	1527.7	1541.6	1543.1	1532.1	1462.3	1216.0	969.7	1005.6	1041.5	1121.4
45°	1416.4	1429.3	1443.9	1445.8	1434.8	1371.6	1151.7	931.8	953.8	975.8	1052.7
47.5°	1299.4	1317.7	1339.7	1341.5	1323.2	1261.1	1067.6	874.1	890.2	906.3	985.1
50°	1226.8	1245.1	1267.1	1268.9	1250.6	1189.2	998.7	808.1	830.1	852.1	934.5
52.5°	1141.0	1161.6	1186.5	1191.2	1175.9	1119.6	940.8	761.9	775.1	788.3	877.4
55°	1019.7	1041.7	1067.4	1074.7	1063.7	1017.9	867.6	717.4	706.4	695.4	786.1
57.5°	892.4	917.5	946.8	955.6	943.9	899.3	756.4	613.5	604.0	594.4	692.6
60°	811.8	838.3	867.6	875.0	860.3	817.3	689.0	560.7	542.4	524.1	626.7
62.5°	732.6	759.2	788.5	792.9	772.4	728.6	615.0	501.3	488.9	476.4	576.1
65°	613.9	640.4	669.7	671.6	645.9	601.9	503.0	404.0	411.4	418.7	508.5
67.5°	497.7	525.5	557.8	559.2	529.9	486.7	401.7	316.6	340.8	365.0	445.8
70°	425.1	450.8	480.1	480.1	450.8	410.5	337.2	263.9	296.8	329.8	404.0
72.5°	353.3	380.4	412.7	412.7	380.4	342.3	286.6	230.9	263.9	296.8	357.9
75°	262.0	285.9	315.2	311.5	274.9	239.1	206.1	173.2	206.1	239.1	285.9
77.5°	175.7	195.2	220.1	216.4	184.2	156.1	140.7	125.3	152.5	179.6	212.2
80°	123.7	140.2	162.2	158.5	129.2	106.3	102.6	98.9	117.3	135.6	159.4
82.5°	83.4	96.2	112.3	110.1	89.6	73.3	69.6	66.0	81.4	96.8	113.2
85°	33.0	38.5	45.8	45.8	38.5	33.0	33.0	33.0	40.3	47.6	55.0
87.5°	13.0	14.9	17.8	17.5	13.6	10.2	8.7	7.5	11.6	15.8	18.6
90°	31.8	30.3	30.3	28.8	24.2	18.2	10.6	4.5	10.6	16.7	27.2
92.5°	37.8	37.5	35.1	32.4	26.6	26.6	26.3	16.7	28.8	40.9	58.7
95°	34.8	34.8	40.9	51.5	75.7	77.2	51.5	46.9	66.6	93.8	118.1
97.5°	94.1	112.0	137.4	142.3	134.7	100.5	96.3	89.6	122.0	148.9	188.0
100°	174.1	196.8	214.9	178.6	140.8	139.3	130.2	127.1	162.0	187.7	225.5
102.5°	272.2	279.1	216.1	195.6	186.8	180.4	166.5	164.7	199.5	234.9	266.7
105°	295.2	264.9	266.4	266.4	260.3	248.2	222.5	221.0	260.3	301.2	340.6
107.5°	347.2	351.8	359.6	357.8	350.9	318.5	288.2	281.2	316.7	365.7	409.0
110°	416.3	420.8	423.8	420.8	410.2	369.3	333.0	322.4	354.2	405.7	452.6



TEST NUMBER: P1435830

CATALOG NUMBER: SQ2W-FA-K-100U-125D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	482.9	486.2	492.8	483.8	465.9	419.0	377.8	362.4	394.2	446.8	495.0
115°	588.8	588.8	590.3	585.8	549.5	501.0	446.5	423.8	451.1	499.5	552.5
117.5°	692.9	694.8	688.7	676.6	634.5	578.2	517.1	480.7	502.2	553.4	607.9
120°	758.3	761.4	755.3	737.1	696.3	632.7	563.1	520.7	537.3	587.3	641.8
122.5°	826.2	825.5	818.3	797.7	749.6	683.6	615.1	563.1	570.0	616.4	669.6
125°	920.3	918.8	912.7	888.5	838.6	770.4	690.2	626.7	617.6	656.9	711.4
127.5°	1009.9	1006.6	997.2	967.8	916.7	851.0	762.9	690.8	670.5	695.4	745.3
130°	1071.7	1067.1	1050.5	1018.7	968.7	906.7	817.4	735.6	706.9	722.0	765.9
132.5°	1131.0	1118.0	1103.8	1069.5	1023.2	958.7	868.2	782.9	743.2	749.9	784.1
135°	1206.4	1194.3	1176.1	1142.8	1098.9	1035.3	944.5	852.2	797.7	791.6	811.3
137.5°	1272.7	1260.0	1239.4	1210.6	1166.4	1109.8	1022.6	925.1	856.4	836.1	843.7
140°	1313.8	1298.7	1280.5	1251.8	1212.4	1153.4	1068.6	974.8	897.6	868.8	864.3
142.5°	1347.8	1336.3	1316.9	1290.5	1256.0	1197.0	1114.7	1022.0	940.0	902.7	892.1
145°	1398.6	1389.5	1368.3	1344.1	1315.4	1256.3	1180.6	1088.3	1006.6	958.1	935.4
147.5°	1441.6	1434.3	1417.7	1389.2	1365.0	1308.4	1239.4	1157.6	1073.8	1013.8	984.5
150°	1468.2	1462.2	1445.5	1418.3	1394.1	1341.1	1274.5	1198.8	1118.6	1055.0	1017.2
152.5°	1493.7	1487.6	1468.5	1441.3	1420.7	1371.4	1310.8	1238.8	1157.3	1093.8	1054.7
155°	1527.3	1519.7	1501.5	1475.8	1457.6	1412.2	1356.2	1292.7	1223.0	1156.4	1112.5
157.5°	1553.9	1544.5	1527.6	1505.5	1486.1	1444.3	1395.6	1340.8	1279.9	1216.4	1171.6
160°	1569.7	1559.1	1540.9	1521.2	1503.1	1463.7	1419.8	1369.9	1313.8	1256.3	1207.9
162.5°	1580.6	1571.2	1549.4	1532.1	1516.4	1480.7	1439.2	1394.1	1344.1	1293.9	1249.1
165°	1592.4	1581.8	1559.1	1545.4	1531.8	1501.5	1465.2	1428.9	1386.5	1345.6	1309.3
167.5°	1593.3	1584.5	1561.8	1548.5	1538.5	1512.4	1483.1	1455.2	1422.2	1390.1	1359.9
170°	1590.8	1583.3	1560.6	1548.5	1540.9	1519.7	1494.0	1469.8	1444.0	1416.8	1392.6
172.5°	1582.4	1574.8	1553.3	1543.6	1539.7	1520.9	1500.0	1481.9	1459.8	1439.8	1420.4
175°	1560.6	1554.5	1536.4	1530.3	1531.8	1519.7	1504.6	1494.0	1480.4	1468.2	1457.6
177.5°	1528.8	1525.2	1511.8	1511.8	1516.7	1509.4	1504.6	1499.7	1493.7	1490.0	1486.4
180°	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5



TEST NUMBER: P1435830

CATALOG NUMBER: SQ2W-FA-K-100U-125D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2127.4	2127.4	2127.4	2127.4	2127.4	2127.4	2127.4	2127.4	2127.4	2127.4	2127.4
2.5°	2088.6	2076.8	2068.1	2060.7	2057.8	2054.9	2057.8	2060.7	2068.1	2076.8	2088.6
5°	1967.1	1904.8	1838.8	1784.8	1766.4	1748.1	1766.4	1784.8	1838.8	1904.8	1967.1
7.5°	1749.9	1674.8	1647.0	1624.6	1618.7	1612.9	1618.7	1624.6	1647.0	1674.8	1749.9
10°	1665.7	1605.2	1583.2	1566.7	1566.7	1566.7	1566.7	1566.7	1583.2	1605.2	1665.7
12.5°	1599.7	1562.7	1561.2	1563.8	1578.4	1593.1	1578.4	1563.8	1561.2	1562.7	1599.7
15°	1549.3	1554.8	1613.4	1662.0	1680.3	1698.6	1680.3	1662.0	1613.4	1554.8	1549.3
17.5°	1531.9	1563.4	1636.0	1694.1	1708.7	1723.4	1708.7	1694.1	1636.0	1563.4	1531.9
20°	1553.9	1594.2	1649.2	1694.1	1708.7	1723.4	1708.7	1694.1	1649.2	1594.2	1553.9
22.5°	1559.0	1608.1	1651.4	1687.5	1702.1	1716.8	1702.1	1687.5	1651.4	1608.1	1559.0
25°	1542.9	1601.5	1638.2	1667.5	1674.8	1682.1	1674.8	1667.5	1638.2	1601.5	1542.9
27.5°	1504.0	1568.5	1605.2	1634.0	1639.1	1644.2	1639.1	1634.0	1605.2	1568.5	1504.0
30°	1469.6	1535.6	1572.2	1602.4	1613.4	1624.4	1613.4	1602.4	1572.2	1535.6	1469.6
32.5°	1419.7	1487.2	1532.6	1567.3	1569.5	1571.7	1569.5	1567.3	1532.6	1487.2	1419.7
35°	1357.8	1427.4	1478.8	1516.3	1512.7	1509.0	1512.7	1516.3	1478.8	1427.4	1357.8
37.5°	1303.2	1371.4	1416.1	1450.7	1455.1	1459.5	1455.1	1450.7	1416.1	1371.4	1303.2
40°	1257.0	1326.7	1374.3	1411.9	1419.2	1426.5	1419.2	1411.9	1374.3	1326.7	1257.0
42.5°	1216.0	1287.1	1334.7	1372.3	1379.6	1386.9	1379.6	1372.3	1334.7	1287.1	1216.0
45°	1148.0	1221.3	1272.6	1312.0	1315.7	1319.3	1315.7	1312.0	1272.6	1221.3	1148.0
47.5°	1084.8	1158.4	1206.1	1242.7	1246.4	1250.1	1246.4	1242.7	1206.1	1158.4	1084.8
50°	1037.1	1112.3	1159.9	1196.6	1200.2	1203.9	1200.2	1196.6	1159.9	1112.3	1037.1
52.5°	991.7	1069.8	1111.5	1143.8	1147.5	1151.1	1147.5	1143.8	1111.5	1069.8	991.7
55°	910.7	993.2	1033.5	1063.7	1063.7	1063.7	1063.7	1063.7	1033.5	993.2	910.7
57.5°	826.8	911.4	946.6	974.1	978.5	982.9	978.5	974.1	946.6	911.4	826.8
60°	769.6	855.7	885.1	908.9	916.2	923.5	916.2	908.9	885.1	855.7	769.6
62.5°	713.2	796.4	825.7	848.8	853.2	857.6	853.2	848.8	825.7	796.4	713.2
65°	625.8	699.1	728.4	751.3	755.0	758.6	755.0	751.3	728.4	699.1	625.8
67.5°	545.5	605.6	626.1	642.3	645.2	648.1	645.2	642.3	626.1	605.6	545.5
70°	492.0	543.3	558.0	569.0	569.0	569.0	569.0	569.0	558.0	543.3	492.0
72.5°	428.2	470.7	485.4	497.1	500.1	503.0	500.1	497.1	485.4	470.7	428.2
75°	337.2	368.3	379.3	388.5	392.1	395.8	392.1	388.5	379.3	368.3	337.2
77.5°	246.6	267.2	273.8	279.6	283.3	287.0	283.3	279.6	273.8	267.2	246.6
80°	185.1	199.7	203.4	207.1	210.7	214.4	210.7	207.1	203.4	199.7	185.1
82.5°	130.1	140.4	144.0	147.0	147.7	148.4	147.7	147.0	144.0	140.4	130.1
85°	62.3	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	62.3
87.5°	20.2	22.3	24.4	25.6	26.8	26.2	26.8	25.6	24.4	22.3	20.2
90°	34.8	45.4	56.0	62.1	68.1	65.1	68.1	62.1	56.0	45.4	34.8
92.5°	69.9	87.8	100.8	111.7	116.6	115.9	116.6	111.7	100.8	87.8	69.9
95°	140.8	162.0	183.2	198.3	207.4	204.3	207.4	198.3	183.2	162.0	140.8
97.5°	217.1	245.5	269.1	283.4	292.4	298.5	292.4	283.4	269.1	245.5	217.1
100°	267.9	295.2	322.4	339.1	354.2	360.2	354.2	339.1	322.4	295.2	267.9
102.5°	309.1	344.8	374.5	392.3	405.1	411.1	405.1	392.3	374.5	344.8	309.1
105°	376.9	414.7	446.5	469.2	482.9	487.4	482.9	469.2	446.5	414.7	376.9
107.5°	444.7	483.8	513.1	538.3	554.9	564.6	554.9	538.3	513.1	483.8	444.7
110°	498.0	529.8	561.6	584.3	600.9	607.0	600.9	584.3	561.6	529.8	498.0



TEST NUMBER: P1435830

CATALOG NUMBER: SQ2W-FA-K-100U-125D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	542.8	578.2	610.0	632.7	651.8	660.3	651.8	632.7	610.0	578.2	542.8
115°	605.5	652.4	681.1	702.3	716.0	723.5	716.0	702.3	681.1	652.4	605.5
117.5°	657.5	706.6	738.1	754.4	760.8	766.2	760.8	754.4	738.1	706.6	657.5
120°	690.2	735.6	772.0	793.2	800.7	803.7	800.7	793.2	772.0	735.6	690.2
122.5°	720.5	763.5	798.6	824.6	837.0	840.1	837.0	824.6	798.6	763.5	720.5
125°	762.9	803.7	840.1	865.8	879.4	887.0	879.4	865.8	840.1	803.7	762.9
127.5°	799.8	844.0	877.3	900.6	913.9	920.0	913.9	900.6	877.3	844.0	799.8
130°	820.4	865.8	899.1	924.8	937.0	943.0	937.0	924.8	899.1	865.8	820.4
132.5°	836.1	884.0	918.5	941.8	955.1	961.2	955.1	941.8	918.5	884.0	836.1
135°	855.2	905.2	941.5	964.2	976.3	982.4	976.3	964.2	941.5	905.2	855.2
137.5°	871.9	917.3	955.1	979.0	989.9	993.9	989.9	979.0	955.1	917.3	871.9
140°	884.0	923.3	961.2	983.9	996.0	997.5	996.0	983.9	961.2	923.3	884.0
142.5°	899.7	930.6	963.6	986.3	998.4	1001.1	998.4	986.3	963.6	930.6	899.7
145°	927.9	946.0	968.7	989.9	1000.5	1003.6	1000.5	989.9	968.7	946.0	927.9
147.5°	963.3	969.0	980.8	994.8	1005.1	1007.2	1005.1	994.8	980.8	969.0	963.3
150°	989.9	988.4	993.0	1002.0	1011.1	1009.6	1011.1	1002.0	993.0	988.4	989.9
152.5°	1020.2	1011.4	1011.1	1015.4	1019.6	1019.3	1019.6	1015.4	1011.1	1011.4	1020.2
155°	1071.7	1055.0	1045.9	1042.9	1042.9	1041.4	1042.9	1042.9	1045.9	1055.0	1071.7
157.5°	1128.3	1105.0	1091.3	1084.1	1082.0	1078.6	1082.0	1084.1	1091.3	1105.0	1128.3
160°	1167.0	1141.3	1127.7	1115.6	1111.0	1106.5	1111.0	1115.6	1127.7	1141.3	1167.0
162.5°	1203.4	1178.8	1164.0	1153.1	1148.6	1141.6	1148.6	1153.1	1164.0	1178.8	1203.4
165°	1262.4	1236.7	1220.0	1210.9	1204.9	1198.8	1204.9	1210.9	1220.0	1236.7	1262.4
167.5°	1321.4	1293.3	1282.4	1272.1	1266.3	1255.4	1266.3	1272.1	1282.4	1293.3	1321.4
170°	1357.7	1332.0	1326.0	1316.9	1306.3	1294.2	1306.3	1316.9	1326.0	1332.0	1357.7
172.5°	1389.2	1372.0	1365.9	1356.8	1353.5	1343.8	1353.5	1356.8	1365.9	1372.0	1389.2
175°	1434.9	1421.3	1421.3	1419.8	1415.3	1406.2	1415.3	1419.8	1421.3	1421.3	1434.9
177.5°	1473.1	1465.8	1470.7	1470.7	1469.5	1461.0	1469.5	1470.7	1470.7	1465.8	1473.1
180°	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5



TEST NUMBER: P1435830

CATALOG NUMBER: SQ2W-FA-K-100U-125D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	2127.4	2127.4	2127.4	2127.4
2.5°	2103.2	2114.2	2114.2	2114.2
5°	2025.7	2072.4	2083.4	2094.4
7.5°	1872.4	1976.4	2025.5	2074.6
10°	1764.6	1863.6	1962.5	2061.5
12.5°	1672.3	1761.7	1901.7	2041.7
15°	1596.9	1672.1	1829.7	1987.2
17.5°	1541.4	1589.8	1754.7	1919.6
20°	1528.2	1550.2	1715.1	1880.0
22.5°	1504.0	1503.3	1665.3	1827.3
25°	1462.3	1437.5	1580.4	1723.4
27.5°	1411.7	1370.6	1483.5	1596.4
30°	1374.3	1326.7	1421.9	1517.2
32.5°	1330.3	1280.5	1349.4	1418.3
35°	1269.9	1211.2	1240.5	1269.9
37.5°	1211.6	1140.5	1131.0	1121.4
40°	1165.4	1088.4	1055.5	1022.5
42.5°	1121.4	1041.5	1005.6	969.7
45°	1052.7	975.8	953.8	931.8
47.5°	985.1	906.3	890.2	874.1
50°	934.5	852.1	830.1	808.1
52.5°	877.4	788.3	775.1	761.9
55°	786.1	695.4	706.4	717.4
57.5°	692.6	594.4	604.0	613.5
60°	626.7	524.1	542.4	560.7
62.5°	576.1	476.4	488.9	501.3
65°	508.5	418.7	411.4	404.0
67.5°	445.8	365.0	340.8	316.6
70°	404.0	329.8	296.8	263.9
72.5°	357.9	296.8	263.9	230.9
75°	285.9	239.1	206.1	173.2
77.5°	212.2	179.6	152.5	125.3
80°	159.4	135.6	117.3	98.9
82.5°	113.2	96.8	81.4	66.0
85°	55.0	47.6	40.3	33.0
87.5°	18.6	15.8	11.6	7.5
90°	27.2	16.7	10.6	4.5
92.5°	58.7	40.9	28.8	16.7
95°	118.1	93.8	66.6	46.9
97.5°	188.0	148.9	122.0	89.6
100°	225.5	187.7	162.0	127.1
102.5°	266.7	234.9	199.5	164.7
105°	340.6	301.2	260.3	221.0
107.5°	409.0	365.7	316.7	281.2
110°	452.6	405.7	354.2	322.4



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CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	495.0	446.8	394.2	362.4
115°	552.5	499.5	451.1	423.8
117.5°	607.9	553.4	502.2	480.7
120°	641.8	587.3	537.3	520.7
122.5°	669.6	616.4	570.0	563.1
125°	711.4	656.9	617.6	626.7
127.5°	745.3	695.4	670.5	690.8
130°	765.9	722.0	706.9	735.6
132.5°	784.1	749.9	743.2	782.9
135°	811.3	791.6	797.7	852.2
137.5°	843.7	836.1	856.4	925.1
140°	864.3	868.8	897.6	974.8
142.5°	892.1	902.7	940.0	1022.0
145°	935.4	958.1	1006.6	1088.3
147.5°	984.5	1013.8	1073.8	1157.6
150°	1017.2	1055.0	1118.6	1198.8
152.5°	1054.7	1093.8	1157.3	1238.8
155°	1112.5	1156.4	1223.0	1292.7
157.5°	1171.6	1216.4	1279.9	1340.8
160°	1207.9	1256.3	1313.8	1369.9
162.5°	1249.1	1293.9	1344.1	1394.1
165°	1309.3	1345.6	1386.5	1428.9
167.5°	1359.9	1390.1	1422.2	1455.2
170°	1392.6	1416.8	1444.0	1469.8
172.5°	1420.4	1439.8	1459.8	1481.9
175°	1457.6	1468.2	1480.4	1494.0
177.5°	1486.4	1490.0	1493.7	1499.7
180°	1498.5	1498.5	1498.5	1498.5



TEST NUMBER: P1435830
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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	20.01	20.93	22.13	20.29	21.19	21.21	22.13	23.33
	3H	20.18	20.99	21.11	21.94	23.16	21.54	22.35	22.46	23.29	24.52
	4H	20.54	21.30	21.48	22.25	23.49	21.93	22.69	22.87	23.64	24.88
	6H	20.70	21.41	21.65	22.36	23.61	22.09	22.80	23.05	23.75	25.00
	8H	20.74	21.41	21.70	22.38	23.63	22.12	22.79	23.08	23.76	25.01
	12H	20.73	21.37	21.70	22.34	23.61	22.10	22.74	23.07	23.71	24.98
4H	2H	19.96	20.73	20.91	21.68	22.91	20.88	21.64	21.83	22.59	23.83
	3H	21.36	21.99	22.31	22.97	24.22	22.35	22.98	23.30	23.96	25.21
	4H	21.81	22.40	22.78	23.37	24.64	22.82	23.41	23.79	24.38	25.65
	6H	22.05	22.55	23.03	23.54	24.82	23.05	23.55	24.03	24.55	25.82
	8H	22.10	22.57	23.09	23.56	24.85	23.10	23.57	24.08	24.56	25.84
	12H	22.11	22.53	23.11	23.54	24.83	23.09	23.51	24.09	24.52	25.81
8H	4H	22.20	22.67	23.18	23.66	24.95	23.02	23.49	24.01	24.48	25.77
	6H	22.55	22.94	23.56	23.97	25.26	23.34	23.73	24.35	24.76	26.04
	8H	22.67	23.01	23.69	24.03	25.34	23.44	23.78	24.45	24.80	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	22.21	22.63	23.21	23.63	24.93	22.99	23.42	24.00	24.42	25.72
	6H	22.62	22.96	23.64	23.98	25.29	23.36	23.70	24.37	24.72	26.02
	8H	22.77	23.07	23.79	24.08	25.43	23.47	23.77	24.49	24.79	26.14