

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: P1427792

Luminaire Tested: SQ2W-F-K-125U-125D-L930-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1427792
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-125U-125D-L930-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 1250 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

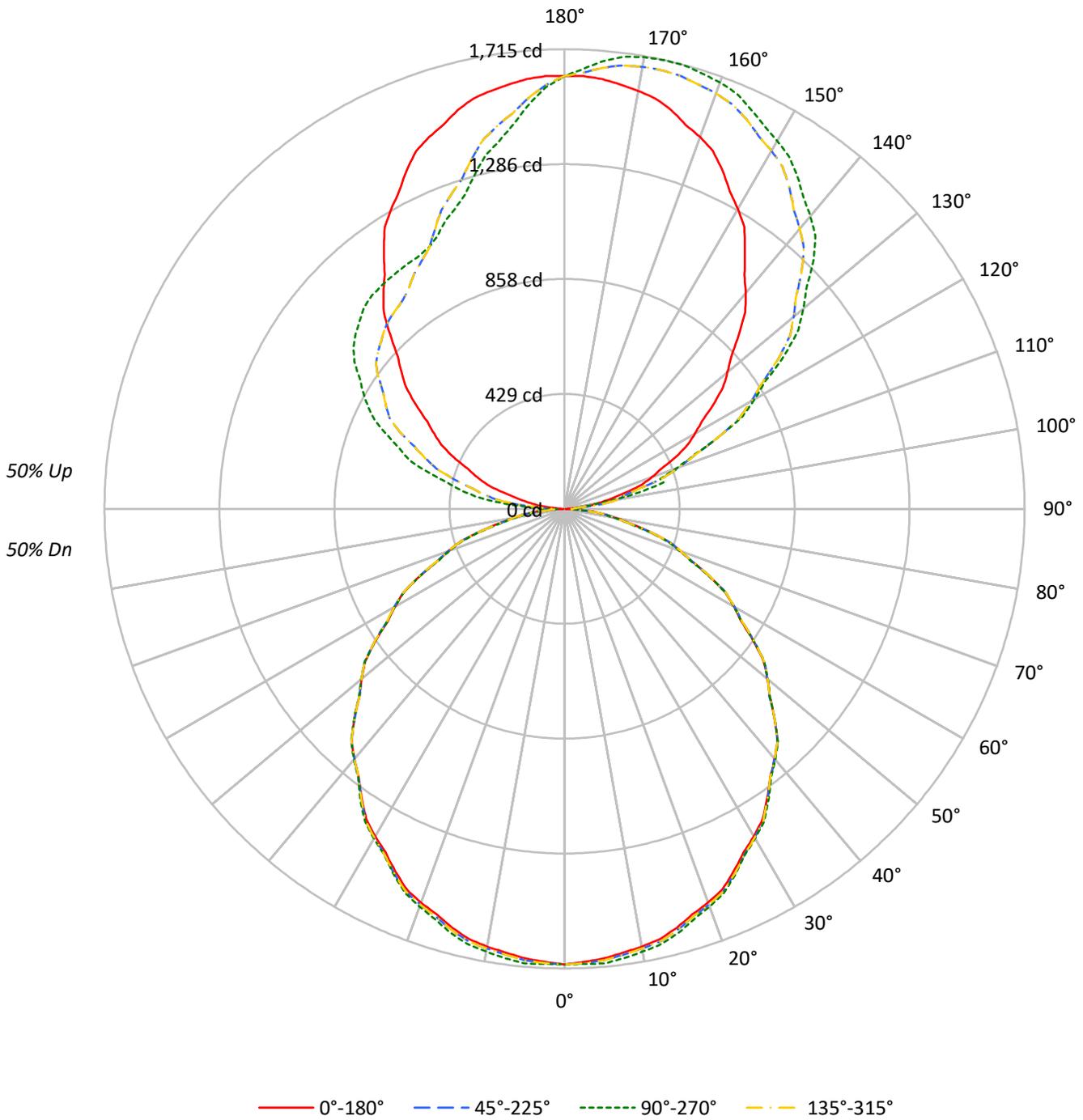
Lumens per Lamp: N/A
Luminaire Lumens: 9507.4 lumens
Efficiency: N/A
Efficacy: 102.0 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.25 / 1.36
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 93.2
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	107	107	107	107	99	99	99	99	84	84	84	69	69	69	56	56	56	50				
1	98	93	89	86	90	86	83	80	73	71	68	61	59	57	50	48	47	42				
2	89	81	75	70	82	75	70	65	64	60	56	53	50	48	43	41	40	35				
3	81	71	64	58	74	66	59	54	56	51	47	47	43	40	38	36	34	29				
4	74	63	55	49	68	58	51	46	50	44	40	42	38	34	34	31	29	25				
5	68	56	48	42	62	52	45	39	44	39	34	37	33	30	31	28	25	22				
6	62	50	42	36	57	47	39	34	40	34	30	34	29	26	28	24	22	19				
7	58	45	37	32	53	42	35	30	36	30	26	31	26	23	25	22	19	17				
8	53	41	33	28	49	38	31	26	33	27	23	28	24	20	23	20	17	15				
9	50	37	30	25	46	35	28	23	30	25	21	26	21	18	21	18	16	13				
10	46	34	27	22	43	32	25	21	28	22	19	24	19	16	20	17	14	12				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	27457	27457	27457	27457
5°	27290	27601	27290	27601
10°	27194	27507	27194	27507
15°	27043	27384	27043	27384
20°	26872	27140	26872	27140
25°	26583	26818	26583	26818
30°	26302	26479	26302	26479
35°	25964	26130	25964	26130
40°	25669	25745	25669	25745
45°	25295	25295	25295	25295
50°	24786	24847	24786	24847
55°	24205	24239	24205	24239
60°	23550	23550	23550	23550
65°	22785	22693	22785	22693
70°	21710	21484	21710	21484
75°	20243	19800	20243	19800
80°	18038	17145	18038	17145
85°	14412	12208	14412	12208

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 25464 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	160.9	1.7
10°-20°	459.8	4.8
20°-30°	692.1	7.3
30°-40°	827.6	8.7
40°-50°	854.6	9.0
50°-60°	770.8	8.1
60°-70°	590.5	6.2
70°-80°	341.2	3.6
80°-90°	95.3	1.0
90°-100°	128.5	1.4
100°-110°	374.8	3.9
110°-120°	611.6	6.4
120°-130°	776.1	8.2
130°-140°	830.4	8.7
140°-150°	775.4	8.2
150°-160°	638.1	6.7
160°-170°	427.9	4.5
170°-180°	151.9	1.6
0°-30°	1312.7	13.8
0°-40°	2140.3	22.5
0°-60°	3765.7	39.6
0°-90°	4792.7	50.4
90°-120°	1114.9	11.7
90°-150°	3496.8	36.8
90°-180°	4715.0	49.6
0°-180°	9507.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1701	1701	1701	1701	1701	
5°	1684	1703	1684	1703	1684	160
15°	1618	1638	1618	1638	1618	456
25°	1492	1505	1492	1505	1492	688
35°	1317	1326	1317	1326	1317	825
45°	1108	1108	1108	1108	1108	854
55°	860	861	860	861	860	768
65°	596	594	596	594	596	590
75°	324	317	324	317	324	344
85°	78	66	78	66	78	91
90°	5	36	5	70	5	7
95°	51	38	51	220	51	61
105°	238	382	238	525	238	253
115°	457	633	457	780	457	450
125°	675	1003	675	956	675	604
135°	918	1313	918	1058	918	710
145°	1173	1514	1173	1081	1173	734
155°	1393	1644	1393	1122	1393	640
165°	1540	1714	1540	1292	1540	433
175°	1610	1678	1610	1515	1610	153
180°	1615	1615	1615	1615	1615	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1700.6	1700.6	1700.6	1700.6	1700.6	1700.6	1700.6	1700.6	1700.6	1700.6	1700.6
2.5°	1692.0	1700.0	1708.1	1704.7	1697.5	1694.7	1696.4	1697.9	1698.8	1699.6	1698.8
5°	1683.8	1694.5	1705.1	1701.4	1692.9	1689.1	1690.2	1692.3	1697.6	1703.0	1697.6
7.5°	1670.2	1680.8	1691.4	1688.0	1679.9	1676.5	1677.8	1680.2	1685.7	1691.2	1685.7
10°	1658.7	1669.3	1679.9	1676.2	1667.7	1664.5	1666.6	1669.3	1673.6	1677.8	1673.6
12.5°	1644.3	1654.9	1665.6	1662.5	1654.8	1651.6	1652.9	1655.0	1659.7	1664.4	1659.7
15°	1617.9	1628.6	1639.2	1636.3	1628.9	1625.9	1627.5	1629.8	1634.0	1638.3	1634.0
17.5°	1586.1	1596.1	1606.1	1603.4	1596.5	1593.9	1595.7	1598.0	1601.8	1605.5	1601.8
20°	1564.0	1573.6	1583.2	1580.4	1573.5	1570.3	1570.8	1572.2	1575.9	1579.6	1575.9
22.5°	1537.2	1546.8	1556.4	1553.9	1547.4	1543.6	1542.4	1542.7	1547.3	1551.8	1547.3
25°	1492.2	1501.8	1511.4	1509.4	1503.5	1499.8	1498.2	1497.9	1501.6	1505.4	1501.6
27.5°	1445.2	1453.2	1461.2	1459.5	1454.6	1451.7	1450.6	1450.5	1453.1	1455.8	1453.1
30°	1410.8	1418.7	1426.7	1424.7	1419.4	1416.2	1415.1	1415.0	1417.7	1420.3	1417.7
32.5°	1374.4	1381.9	1389.5	1386.7	1380.6	1377.4	1377.1	1377.8	1380.8	1383.9	1380.8
35°	1317.3	1323.7	1330.1	1327.3	1321.5	1318.8	1319.3	1320.4	1323.1	1325.7	1323.1
37.5°	1260.1	1265.0	1269.9	1267.0	1261.6	1258.8	1258.7	1259.2	1261.5	1263.7	1261.5
40°	1217.9	1223.3	1228.6	1225.5	1219.7	1216.5	1215.9	1216.2	1218.9	1221.5	1218.9
42.5°	1174.8	1178.9	1182.9	1180.2	1175.2	1172.8	1173.2	1173.7	1175.1	1176.5	1175.1
45°	1107.8	1111.5	1115.2	1112.6	1107.8	1105.4	1105.4	1105.6	1106.7	1107.8	1106.7
47.5°	1037.6	1040.5	1043.3	1041.3	1037.5	1035.4	1034.7	1034.7	1036.4	1038.1	1036.4
50°	986.8	990.5	994.3	992.4	988.7	986.3	985.2	984.9	987.1	989.2	987.1
52.5°	937.0	941.1	945.3	943.5	939.8	937.2	935.7	935.0	936.7	938.4	936.7
55°	859.9	864.7	869.4	868.3	865.1	862.4	860.3	858.9	860.0	861.1	860.0
57.5°	781.1	785.7	790.4	789.5	786.8	784.1	781.5	780.0	781.5	783.0	781.5
60°	729.3	733.6	737.8	736.5	733.3	730.7	728.5	727.2	728.3	729.3	728.3
62.5°	676.6	680.9	685.2	683.5	679.9	677.0	674.9	673.5	674.6	675.7	674.6
65°	596.4	600.1	603.8	602.4	599.2	596.5	594.4	592.9	593.5	594.0	593.5
67.5°	515.4	518.6	521.8	520.3	517.2	514.1	511.1	508.9	509.8	510.7	509.8
70°	459.9	463.1	466.3	465.1	462.4	459.7	457.1	455.1	455.1	455.1	455.1
72.5°	406.2	409.0	411.8	410.1	407.0	404.4	402.1	400.5	400.5	400.5	400.5
75°	324.5	326.1	327.7	326.9	325.3	323.2	320.6	318.4	317.9	317.4	317.9
77.5°	245.7	245.7	245.7	244.2	242.2	240.2	238.2	236.5	235.8	235.2	235.8
80°	194.0	194.0	194.0	192.8	191.2	189.6	188.0	186.6	185.5	184.4	185.5
82.5°	146.1	145.3	144.4	143.0	141.4	139.4	136.9	135.4	136.4	137.5	136.4
85°	77.8	76.8	75.7	74.3	72.7	70.8	68.7	66.9	66.4	65.9	66.4
87.5°	24.9	25.4	26.2	26.3	26.0	24.8	23.1	22.1	22.0	21.5	22.0
90°	4.9	11.4	19.6	26.1	31.0	32.6	32.6	34.3	35.9	35.9	35.9
92.5°	17.9	28.4	28.7	28.7	34.9	37.8	40.4	40.8	42.4	42.4	42.4
95°	50.6	55.5	83.2	81.6	55.5	44.0	37.5	37.5	37.5	37.5	37.5
97.5°	96.6	103.7	108.3	145.2	153.3	148.1	120.7	101.5	90.7	85.8	90.7
100°	137.0	140.3	150.1	151.7	192.5	231.6	212.0	187.6	179.4	174.5	179.4
102.5°	177.5	179.4	194.4	201.3	210.7	232.9	300.8	293.3	287.7	286.7	287.7
105°	238.1	239.8	267.5	280.5	287.1	287.1	285.4	318.1	370.2	381.7	370.2
107.5°	303.0	310.5	343.2	378.1	385.6	387.5	379.1	374.2	372.2	373.5	372.2
110°	347.4	358.8	398.0	442.0	453.4	456.7	453.4	448.5	445.3	445.3	445.3



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CATALOG NUMBER: SQ2W-F-K-125U-125D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	390.5	407.1	451.5	502.0	521.3	531.1	523.9	520.3	517.0	519.6	517.0
115°	456.7	481.2	539.9	592.1	631.2	636.1	634.5	634.5	632.8	632.8	632.8
117.5°	518.0	557.2	623.1	683.7	729.1	742.1	748.6	746.7	744.7	748.0	744.7
120°	561.1	606.7	681.8	750.3	794.3	813.9	820.4	817.1	820.4	817.1	820.4
122.5°	606.7	662.9	736.6	807.7	859.6	881.7	889.6	890.2	890.9	888.9	890.9
125°	675.2	743.8	830.2	903.6	957.4	983.5	990.0	991.7	994.9	1003.1	994.9
127.5°	744.4	822.0	917.0	987.8	1042.9	1074.5	1084.6	1088.2	1095.1	1098.7	1095.1
130°	792.7	880.8	977.0	1043.9	1097.7	1131.9	1149.9	1154.8	1162.9	1161.3	1162.9
132.5°	843.6	935.6	1033.1	1102.6	1152.5	1189.3	1204.7	1218.7	1221.6	1223.9	1221.6
135°	918.3	1017.8	1115.6	1184.1	1231.4	1267.3	1286.9	1299.9	1308.1	1313.0	1308.1
137.5°	996.9	1101.9	1195.9	1256.9	1304.5	1335.5	1357.7	1371.4	1379.9	1383.8	1379.9
140°	1050.4	1151.5	1242.8	1306.5	1348.9	1379.9	1399.4	1415.7	1425.5	1425.5	1425.5
142.5°	1101.3	1201.1	1289.8	1353.4	1390.6	1419.0	1439.9	1452.3	1463.4	1463.4	1463.4
145°	1172.7	1272.2	1353.8	1417.4	1448.4	1474.5	1497.3	1507.1	1513.6	1513.6	1513.6
147.5°	1247.4	1335.5	1409.9	1470.9	1497.0	1527.6	1545.6	1553.4	1561.6	1558.0	1561.6
150°	1291.8	1373.3	1445.1	1502.2	1528.3	1557.6	1575.6	1582.1	1590.3	1585.4	1590.3
152.5°	1334.8	1412.5	1477.7	1530.9	1553.1	1582.4	1603.0	1609.5	1615.0	1611.5	1615.0
155°	1392.9	1461.4	1521.8	1570.7	1590.3	1618.0	1637.6	1645.7	1652.2	1644.1	1652.2
157.5°	1444.8	1503.8	1556.3	1601.3	1622.2	1646.0	1664.3	1674.4	1680.9	1677.4	1680.9
160°	1476.1	1529.9	1577.2	1619.6	1639.2	1660.4	1680.0	1691.4	1697.9	1693.0	1697.9
162.5°	1502.2	1550.8	1595.5	1634.0	1650.9	1669.5	1693.0	1703.1	1709.6	1703.5	1709.6
165°	1539.7	1578.8	1618.0	1650.6	1665.3	1680.0	1704.4	1715.8	1720.7	1714.2	1720.7
167.5°	1568.1	1598.1	1629.7	1657.8	1668.5	1682.9	1707.4	1716.8	1723.0	1714.9	1723.0
170°	1583.7	1609.8	1637.6	1660.4	1668.5	1681.6	1706.1	1714.2	1719.1	1711.0	1719.1
172.5°	1596.8	1616.4	1638.9	1659.1	1663.3	1673.8	1696.9	1705.1	1708.7	1701.8	1708.7
175°	1609.8	1621.2	1637.6	1650.6	1649.0	1655.5	1675.1	1681.6	1688.1	1678.3	1688.1
177.5°	1616.0	1621.2	1626.5	1634.3	1629.1	1629.1	1643.4	1647.3	1648.6	1643.4	1648.6
180°	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1700.6	1700.6	1700.6	1700.6	1700.6	1700.6	1700.6	1700.6	1700.6	1700.6	1700.6
2.5°	1697.9	1696.4	1694.7	1697.5	1704.7	1708.1	1700.0	1692.0	1700.0	1708.1	1704.7
5°	1692.3	1690.2	1689.1	1692.9	1701.4	1705.1	1694.5	1683.8	1694.5	1705.1	1701.4
7.5°	1680.2	1677.8	1676.5	1679.9	1688.0	1691.4	1680.8	1670.2	1680.8	1691.4	1688.0
10°	1669.3	1666.6	1664.5	1667.7	1676.2	1679.9	1669.3	1658.7	1669.3	1679.9	1676.2
12.5°	1655.0	1652.9	1651.6	1654.8	1662.5	1665.6	1654.9	1644.3	1654.9	1665.6	1662.5
15°	1629.8	1627.5	1625.9	1628.9	1636.3	1639.2	1628.6	1617.9	1628.6	1639.2	1636.3
17.5°	1598.0	1595.7	1593.9	1596.5	1603.4	1606.1	1596.1	1586.1	1596.1	1606.1	1603.4
20°	1572.2	1570.8	1570.3	1573.5	1580.4	1583.2	1573.6	1564.0	1573.6	1583.2	1580.4
22.5°	1542.7	1542.4	1543.6	1547.4	1553.9	1556.4	1546.8	1537.2	1546.8	1556.4	1553.9
25°	1497.9	1498.2	1499.8	1503.5	1509.4	1511.4	1501.8	1492.2	1501.8	1511.4	1509.4
27.5°	1450.5	1450.6	1451.7	1454.6	1459.5	1461.2	1453.2	1445.2	1453.2	1461.2	1459.5
30°	1415.0	1415.1	1416.2	1419.4	1424.7	1426.7	1418.7	1410.8	1418.7	1426.7	1424.7
32.5°	1377.8	1377.1	1377.4	1380.6	1386.7	1389.5	1381.9	1374.4	1381.9	1389.5	1386.7
35°	1320.4	1319.3	1318.8	1321.5	1327.3	1330.1	1323.7	1317.3	1323.7	1330.1	1327.3
37.5°	1259.2	1258.7	1258.8	1261.6	1267.0	1269.9	1265.0	1260.1	1265.0	1269.9	1267.0
40°	1216.2	1215.9	1216.5	1219.7	1225.5	1228.6	1223.3	1217.9	1223.3	1228.6	1225.5
42.5°	1173.7	1173.2	1172.8	1175.2	1180.2	1182.9	1178.9	1174.8	1178.9	1182.9	1180.2
45°	1105.6	1105.4	1105.4	1107.8	1112.6	1115.2	1111.5	1107.8	1111.5	1115.2	1112.6
47.5°	1034.7	1034.7	1035.4	1037.5	1041.3	1043.3	1040.5	1037.6	1040.5	1043.3	1041.3
50°	984.9	985.2	986.3	988.7	992.4	994.3	990.5	986.8	990.5	994.3	992.4
52.5°	935.0	935.7	937.2	939.8	943.5	945.3	941.1	937.0	941.1	945.3	943.5
55°	858.9	860.3	862.4	865.1	868.3	869.4	864.7	859.9	864.7	869.4	868.3
57.5°	780.0	781.5	784.1	786.8	789.5	790.4	785.7	781.1	785.7	790.4	789.5
60°	727.2	728.5	730.7	733.3	736.5	737.8	733.6	729.3	733.6	737.8	736.5
62.5°	673.5	674.9	677.0	679.9	683.5	685.2	680.9	676.6	680.9	685.2	683.5
65°	592.9	594.4	596.5	599.2	602.4	603.8	600.1	596.4	600.1	603.8	602.4
67.5°	508.9	511.1	514.1	517.2	520.3	521.8	518.6	515.4	518.6	521.8	520.3
70°	455.1	457.1	459.7	462.4	465.1	466.3	463.1	459.9	463.1	466.3	465.1
72.5°	400.5	402.1	404.4	407.0	410.1	411.8	409.0	406.2	409.0	411.8	410.1
75°	318.4	320.6	323.2	325.3	326.9	327.7	326.1	324.5	326.1	327.7	326.9
77.5°	236.5	238.2	240.2	242.2	244.2	245.7	245.7	245.7	245.7	245.7	244.2
80°	186.6	188.0	189.6	191.2	192.8	194.0	194.0	194.0	194.0	194.0	192.8
82.5°	135.4	136.9	139.4	141.4	143.0	144.4	145.3	146.1	145.3	144.4	143.0
85°	66.9	68.7	70.8	72.7	74.3	75.7	76.8	77.8	76.8	75.7	74.3
87.5°	22.1	23.1	24.8	26.0	26.3	26.2	25.4	24.9	25.4	25.8	26.9
90°	34.3	32.6	32.6	31.0	26.1	19.6	11.4	4.9	11.4	17.9	29.4
92.5°	40.8	40.4	37.8	34.9	28.7	28.7	28.4	17.9	31.0	44.0	63.3
95°	37.5	37.5	44.0	55.5	81.6	83.2	55.5	50.6	71.8	101.1	127.2
97.5°	101.5	120.7	148.1	153.3	145.2	108.3	103.7	96.6	131.5	160.5	202.6
100°	187.6	212.0	231.6	192.5	151.7	150.1	140.3	137.0	174.5	202.2	243.0
102.5°	293.3	300.8	232.9	210.7	201.3	194.4	179.4	177.5	215.0	253.1	287.4
105°	318.1	285.4	287.1	287.1	280.5	267.5	239.8	238.1	280.5	324.6	367.0
107.5°	374.2	379.1	387.5	385.6	378.1	343.2	310.5	303.0	341.2	394.1	440.7
110°	448.5	453.4	456.7	453.4	442.0	398.0	358.8	347.4	381.7	437.1	487.7



TEST NUMBER: P1427792

CATALOG NUMBER: SQ2W-F-K-125U-125D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	520.3	523.9	531.1	521.3	502.0	451.5	407.1	390.5	424.7	481.5	533.3
115°	634.5	634.5	636.1	631.2	592.1	539.9	481.2	456.7	486.0	538.2	595.3
117.5°	746.7	748.6	742.1	729.1	683.7	623.1	557.2	518.0	541.2	596.3	655.0
120°	817.1	820.4	813.9	794.3	750.3	681.8	606.7	561.1	579.0	632.8	691.6
122.5°	890.2	889.6	881.7	859.6	807.7	736.6	662.9	606.7	614.2	664.2	721.6
125°	991.7	990.0	983.5	957.4	903.6	830.2	743.8	675.2	665.5	707.9	766.6
127.5°	1088.2	1084.6	1074.5	1042.9	987.8	917.0	822.0	744.4	722.5	749.3	803.1
130°	1154.8	1149.9	1131.9	1097.7	1043.9	977.0	880.8	792.7	761.7	778.0	825.3
132.5°	1218.7	1204.7	1189.3	1152.5	1102.6	1033.1	935.6	843.6	800.8	808.0	844.9
135°	1299.9	1286.9	1267.3	1231.4	1184.1	1115.6	1017.8	918.3	859.6	853.0	874.2
137.5°	1371.4	1357.7	1335.5	1304.5	1256.9	1195.9	1101.9	996.9	922.8	901.0	909.1
140°	1415.7	1399.4	1379.9	1348.9	1306.5	1242.8	1151.5	1050.4	967.2	936.2	931.3
142.5°	1452.3	1439.9	1419.0	1390.6	1353.4	1289.8	1201.1	1101.3	1012.9	972.7	961.3
145°	1507.1	1497.3	1474.5	1448.4	1417.4	1353.8	1272.2	1172.7	1084.6	1032.4	1008.0
147.5°	1553.4	1545.6	1527.6	1497.0	1470.9	1409.9	1335.5	1247.4	1157.1	1092.5	1060.8
150°	1582.1	1575.6	1557.6	1528.3	1502.2	1445.1	1373.3	1291.8	1205.3	1136.8	1096.1
152.5°	1609.5	1603.0	1582.4	1553.1	1530.9	1477.7	1412.5	1334.8	1247.1	1178.6	1136.5
155°	1645.7	1637.6	1618.0	1590.3	1570.7	1521.8	1461.4	1392.9	1317.9	1246.1	1198.8
157.5°	1674.4	1664.3	1646.0	1622.2	1601.3	1556.3	1503.8	1444.8	1379.2	1310.7	1262.4
160°	1691.4	1680.0	1660.4	1639.2	1619.6	1577.2	1529.9	1476.1	1415.7	1353.8	1301.6
162.5°	1703.1	1693.0	1669.5	1650.9	1634.0	1595.5	1550.8	1502.2	1448.4	1394.2	1345.9
165°	1715.8	1704.4	1680.0	1665.3	1650.6	1618.0	1578.8	1539.7	1494.0	1450.0	1410.8
167.5°	1716.8	1707.4	1682.9	1668.5	1657.8	1629.7	1598.1	1568.1	1532.5	1497.9	1465.3
170°	1714.2	1706.1	1681.6	1668.5	1660.4	1637.6	1609.8	1583.7	1556.0	1526.6	1500.6
172.5°	1705.1	1696.9	1673.8	1663.3	1659.1	1638.9	1616.4	1596.8	1573.0	1551.4	1530.6
175°	1681.6	1675.1	1655.5	1649.0	1650.6	1637.6	1621.2	1609.8	1595.2	1582.1	1570.7
177.5°	1647.3	1643.4	1629.1	1629.1	1634.3	1626.5	1621.2	1616.0	1609.5	1605.6	1601.7
180°	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7



TEST NUMBER: P1427792

CATALOG NUMBER: SQ2W-F-K-125U-125D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1700.6	1700.6	1700.6	1700.6	1700.6	1700.6	1700.6	1700.6	1700.6	1700.6	1700.6
2.5°	1697.5	1694.7	1696.4	1697.9	1698.8	1699.6	1698.8	1697.9	1696.4	1694.7	1697.5
5°	1692.9	1689.1	1690.2	1692.3	1697.6	1703.0	1697.6	1692.3	1690.2	1689.1	1692.9
7.5°	1679.9	1676.5	1677.8	1680.2	1685.7	1691.2	1685.7	1680.2	1677.8	1676.5	1679.9
10°	1667.7	1664.5	1666.6	1669.3	1673.6	1677.8	1673.6	1669.3	1666.6	1664.5	1667.7
12.5°	1654.8	1651.6	1652.9	1655.0	1659.7	1664.4	1659.7	1655.0	1652.9	1651.6	1654.8
15°	1628.9	1625.9	1627.5	1629.8	1634.0	1638.3	1634.0	1629.8	1627.5	1625.9	1628.9
17.5°	1596.5	1593.9	1595.7	1598.0	1601.8	1605.5	1601.8	1598.0	1595.7	1593.9	1596.5
20°	1573.5	1570.3	1570.8	1572.2	1575.9	1579.6	1575.9	1572.2	1570.8	1570.3	1573.5
22.5°	1547.4	1543.6	1542.4	1542.7	1547.3	1551.8	1547.3	1542.7	1542.4	1543.6	1547.4
25°	1503.5	1499.8	1498.2	1497.9	1501.6	1505.4	1501.6	1497.9	1498.2	1499.8	1503.5
27.5°	1454.6	1451.7	1450.6	1450.5	1453.1	1455.8	1453.1	1450.5	1450.6	1451.7	1454.6
30°	1419.4	1416.2	1415.1	1415.0	1417.7	1420.3	1417.7	1415.0	1415.1	1416.2	1419.4
32.5°	1380.6	1377.4	1377.1	1377.8	1380.8	1383.9	1380.8	1377.8	1377.1	1377.4	1380.6
35°	1321.5	1318.8	1319.3	1320.4	1323.1	1325.7	1323.1	1320.4	1319.3	1318.8	1321.5
37.5°	1261.6	1258.8	1258.7	1259.2	1261.5	1263.7	1261.5	1259.2	1258.7	1258.8	1261.6
40°	1219.7	1216.5	1215.9	1216.2	1218.9	1221.5	1218.9	1216.2	1215.9	1216.5	1219.7
42.5°	1175.2	1172.8	1173.2	1173.7	1175.1	1176.5	1175.1	1173.7	1173.2	1172.8	1175.2
45°	1107.8	1105.4	1105.4	1105.6	1106.7	1107.8	1106.7	1105.6	1105.4	1105.4	1107.8
47.5°	1037.5	1035.4	1034.7	1034.7	1036.4	1038.1	1036.4	1034.7	1034.7	1035.4	1037.5
50°	988.7	986.3	985.2	984.9	987.1	989.2	987.1	984.9	985.2	986.3	988.7
52.5°	939.8	937.2	935.7	935.0	936.7	938.4	936.7	935.0	935.7	937.2	939.8
55°	865.1	862.4	860.3	858.9	860.0	861.1	860.0	858.9	860.3	862.4	865.1
57.5°	786.8	784.1	781.5	780.0	781.5	783.0	781.5	780.0	781.5	784.1	786.8
60°	733.3	730.7	728.5	727.2	728.3	729.3	728.3	727.2	728.5	730.7	733.3
62.5°	679.9	677.0	674.9	673.5	674.6	675.7	674.6	673.5	674.9	677.0	679.9
65°	599.2	596.5	594.4	592.9	593.5	594.0	593.5	592.9	594.4	596.5	599.2
67.5°	517.2	514.1	511.1	508.9	509.8	510.7	509.8	508.9	511.1	514.1	517.2
70°	462.4	459.7	457.1	455.1	455.1	455.1	455.1	455.1	457.1	459.7	462.4
72.5°	407.0	404.4	402.1	400.5	400.5	400.5	400.5	400.5	402.1	404.4	407.0
75°	325.3	323.2	320.6	318.4	317.9	317.4	317.9	318.4	320.6	323.2	325.3
77.5°	242.2	240.2	238.2	236.5	235.8	235.2	235.8	236.5	238.2	240.2	242.2
80°	191.2	189.6	188.0	186.6	185.5	184.4	185.5	186.6	188.0	189.6	191.2
82.5°	141.4	139.4	136.9	135.4	136.4	137.5	136.4	135.4	136.9	139.4	141.4
85°	72.7	70.8	68.7	66.9	66.4	65.9	66.4	66.9	68.7	70.8	72.7
87.5°	27.3	28.1	28.7	28.6	29.5	28.4	29.5	28.6	28.7	28.1	27.3
90°	37.5	48.9	60.3	66.9	73.4	70.1	73.4	66.9	60.3	48.9	37.5
92.5°	75.4	94.6	108.6	120.4	125.6	124.9	125.6	120.4	108.6	94.6	75.4
95°	151.7	174.5	197.4	213.7	223.5	220.2	223.5	213.7	197.4	174.5	151.7
97.5°	233.9	264.6	290.0	305.3	315.1	321.6	315.1	305.3	290.0	264.6	233.9
100°	288.7	318.1	347.4	365.4	381.7	388.2	381.7	365.4	347.4	318.1	288.7
102.5°	333.1	371.5	403.5	422.8	436.5	443.0	436.5	422.8	403.5	371.5	333.1
105°	406.1	446.9	481.2	505.6	520.3	525.2	520.3	505.6	481.2	446.9	406.1
107.5°	479.2	521.3	552.9	580.0	597.9	608.4	597.9	580.0	552.9	521.3	479.2
110°	536.6	570.9	605.1	629.6	647.5	654.0	647.5	629.6	605.1	570.9	536.6



TEST NUMBER: P1427792

CATALOG NUMBER: SQ2W-F-K-125U-125D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	584.9	623.1	657.3	681.8	702.3	711.5	702.3	681.8	657.3	623.1	584.9
115°	652.4	703.0	734.0	756.8	771.5	779.6	771.5	756.8	734.0	703.0	652.4
117.5°	708.5	761.4	795.3	812.9	819.8	825.6	819.8	812.9	795.3	761.4	708.5
120°	743.8	792.7	831.8	854.7	862.8	866.1	862.8	854.7	831.8	792.7	743.8
122.5°	776.4	822.7	860.5	888.6	902.0	905.2	902.0	888.6	860.5	822.7	776.4
125°	822.0	866.1	905.2	933.0	947.6	955.8	947.6	933.0	905.2	866.1	822.0
127.5°	861.8	909.5	945.3	970.5	984.8	991.3	984.8	970.5	945.3	909.5	861.8
130°	884.0	933.0	968.8	996.6	1009.6	1016.1	1009.6	996.6	968.8	933.0	884.0
132.5°	901.0	952.5	989.7	1014.8	1029.2	1035.7	1029.2	1014.8	989.7	952.5	901.0
135°	921.5	975.4	1014.5	1039.0	1052.0	1058.5	1052.0	1039.0	1014.5	975.4	921.5
137.5°	939.5	988.4	1029.2	1055.0	1066.7	1070.9	1066.7	1055.0	1029.2	988.4	939.5
140°	952.5	994.9	1035.7	1060.2	1073.2	1074.9	1073.2	1060.2	1035.7	994.9	952.5
142.5°	969.5	1002.8	1038.3	1062.8	1075.8	1078.8	1075.8	1062.8	1038.3	1002.8	969.5
145°	999.8	1019.4	1043.9	1066.7	1078.1	1081.4	1078.1	1066.7	1043.9	1019.4	999.8
147.5°	1038.0	1044.2	1056.9	1071.9	1083.0	1085.3	1083.0	1071.9	1056.9	1044.2	1038.0
150°	1066.7	1065.1	1070.0	1079.7	1089.5	1087.9	1089.5	1079.7	1070.0	1065.1	1066.7
152.5°	1099.3	1089.9	1089.5	1094.1	1098.7	1098.3	1098.7	1094.1	1089.5	1089.9	1099.3
155°	1154.8	1136.8	1127.0	1123.8	1123.8	1122.2	1123.8	1123.8	1127.0	1136.8	1154.8
157.5°	1215.8	1190.7	1176.0	1168.1	1165.9	1162.3	1165.9	1168.1	1176.0	1190.7	1215.8
160°	1257.5	1229.8	1215.1	1202.1	1197.2	1192.3	1197.2	1202.1	1215.1	1229.8	1257.5
162.5°	1296.7	1270.2	1254.3	1242.5	1237.6	1230.1	1237.6	1242.5	1254.3	1270.2	1296.7
165°	1360.3	1332.6	1314.6	1304.8	1298.3	1291.8	1298.3	1304.8	1314.6	1332.6	1360.3
167.5°	1423.9	1393.6	1381.8	1370.7	1364.5	1352.8	1364.5	1370.7	1381.8	1393.6	1423.9
170°	1463.0	1435.3	1428.8	1419.0	1407.6	1394.5	1407.6	1419.0	1428.8	1435.3	1463.0
172.5°	1497.0	1478.4	1471.8	1462.1	1458.5	1448.0	1458.5	1462.1	1471.8	1478.4	1497.0
175°	1546.2	1531.5	1531.5	1529.9	1525.0	1515.2	1525.0	1529.9	1531.5	1531.5	1546.2
177.5°	1587.3	1579.5	1584.7	1584.7	1583.4	1574.3	1583.4	1584.7	1584.7	1579.5	1587.3
180°	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7



TEST NUMBER: P1427792

CATALOG NUMBER: SQ2W-F-K-125U-125D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1700.6	1700.6	1700.6	1700.6
2.5°	1704.7	1708.1	1700.0	1692.0
5°	1701.4	1705.1	1694.5	1683.8
7.5°	1688.0	1691.4	1680.8	1670.2
10°	1676.2	1679.9	1669.3	1658.7
12.5°	1662.5	1665.6	1654.9	1644.3
15°	1636.3	1639.2	1628.6	1617.9
17.5°	1603.4	1606.1	1596.1	1586.1
20°	1580.4	1583.2	1573.6	1564.0
22.5°	1553.9	1556.4	1546.8	1537.2
25°	1509.4	1511.4	1501.8	1492.2
27.5°	1459.5	1461.2	1453.2	1445.2
30°	1424.7	1426.7	1418.7	1410.8
32.5°	1386.7	1389.5	1381.9	1374.4
35°	1327.3	1330.1	1323.7	1317.3
37.5°	1267.0	1269.9	1265.0	1260.1
40°	1225.5	1228.6	1223.3	1217.9
42.5°	1180.2	1182.9	1178.9	1174.8
45°	1112.6	1115.2	1111.5	1107.8
47.5°	1041.3	1043.3	1040.5	1037.6
50°	992.4	994.3	990.5	986.8
52.5°	943.5	945.3	941.1	937.0
55°	868.3	869.4	864.7	859.9
57.5°	789.5	790.4	785.7	781.1
60°	736.5	737.8	733.6	729.3
62.5°	683.5	685.2	680.9	676.6
65°	602.4	603.8	600.1	596.4
67.5°	520.3	521.8	518.6	515.4
70°	465.1	466.3	463.1	459.9
72.5°	410.1	411.8	409.0	406.2
75°	326.9	327.7	326.1	324.5
77.5°	244.2	245.7	245.7	245.7
80°	192.8	194.0	194.0	194.0
82.5°	143.0	144.4	145.3	146.1
85°	74.3	75.7	76.8	77.8
87.5°	26.9	25.8	25.4	24.9
90°	29.4	17.9	11.4	4.9
92.5°	63.3	44.0	31.0	17.9
95°	127.2	101.1	71.8	50.6
97.5°	202.6	160.5	131.5	96.6
100°	243.0	202.2	174.5	137.0
102.5°	287.4	253.1	215.0	177.5
105°	367.0	324.6	280.5	238.1
107.5°	440.7	394.1	341.2	303.0
110°	487.7	437.1	381.7	347.4



TEST NUMBER: P1427792

CATALOG NUMBER: SQ2W-F-K-125U-125D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	533.3	481.5	424.7	390.5
115°	595.3	538.2	486.0	456.7
117.5°	655.0	596.3	541.2	518.0
120°	691.6	632.8	579.0	561.1
122.5°	721.6	664.2	614.2	606.7
125°	766.6	707.9	665.5	675.2
127.5°	803.1	749.3	722.5	744.4
130°	825.3	778.0	761.7	792.7
132.5°	844.9	808.0	800.8	843.6
135°	874.2	853.0	859.6	918.3
137.5°	909.1	901.0	922.8	996.9
140°	931.3	936.2	967.2	1050.4
142.5°	961.3	972.7	1012.9	1101.3
145°	1008.0	1032.4	1084.6	1172.7
147.5°	1060.8	1092.5	1157.1	1247.4
150°	1096.1	1136.8	1205.3	1291.8
152.5°	1136.5	1178.6	1247.1	1334.8
155°	1198.8	1246.1	1317.9	1392.9
157.5°	1262.4	1310.7	1379.2	1444.8
160°	1301.6	1353.8	1415.7	1476.1
162.5°	1345.9	1394.2	1448.4	1502.2
165°	1410.8	1450.0	1494.0	1539.7
167.5°	1465.3	1497.9	1532.5	1568.1
170°	1500.6	1526.6	1556.0	1583.7
172.5°	1530.6	1551.4	1573.0	1596.8
175°	1570.7	1582.1	1595.2	1609.8
177.5°	1601.7	1605.6	1609.5	1616.0
180°	1614.7	1614.7	1614.7	1614.7



TEST NUMBER: P1427792
 CATALOG NUMBER: SQ2W-F-K-125U-125D-L930-UNV-STD-W-WM-4

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	19.41	20.28	20.36	21.25	22.52	19.32	20.20	20.27	21.17	22.43
	3H	21.20	21.99	22.16	22.96	24.25	21.10	21.88	22.06	22.86	24.15
	4H	21.90	22.64	22.87	23.62	24.92	21.78	22.53	22.76	23.51	24.80
	6H	22.33	23.02	23.32	24.01	25.32	22.19	22.88	23.18	23.87	25.18
	8H	22.49	23.15	23.49	24.15	25.46	22.34	22.99	23.33	24.00	25.30
	12H	22.58	23.20	23.58	24.20	25.53	22.40	23.03	23.40	24.02	25.35
4H	2H	19.99	20.74	20.97	21.72	23.01	19.92	20.67	20.91	21.65	22.95
	3H	22.01	22.64	23.00	23.65	24.96	21.92	22.54	22.91	23.55	24.86
	4H	22.83	23.40	23.83	24.40	25.73	22.72	23.29	23.72	24.29	25.62
	6H	23.38	23.87	24.39	24.90	26.23	23.24	23.73	24.25	24.76	26.09
	8H	23.60	24.06	24.61	25.08	26.42	23.44	23.90	24.45	24.92	26.26
	12H	23.71	24.13	24.74	25.16	26.51	23.53	23.94	24.56	24.98	26.33
8H	4H	23.07	23.53	24.09	24.55	25.90	22.98	23.44	23.99	24.46	25.80
	6H	23.76	24.14	24.80	25.21	26.55	23.63	24.01	24.67	25.07	26.42
	8H	24.07	24.40	25.11	25.45	26.81	23.91	24.25	24.96	25.30	26.66
	12H	24.25	24.55	25.30	25.59	26.99	24.06	24.36	25.11	25.40	26.80
12H	4H	23.07	23.48	24.10	24.52	25.87	22.98	23.39	24.01	24.43	25.78
	6H	23.81	24.15	24.86	25.20	26.56	23.69	24.02	24.73	25.07	26.43
	8H	24.15	24.44	25.20	25.49	26.89	24.00	24.29	25.05	25.34	26.74