

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: P1427720

Luminaire Tested: SQ2W-F-K-050U-125D-L930-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1427720
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-050U-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 500 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

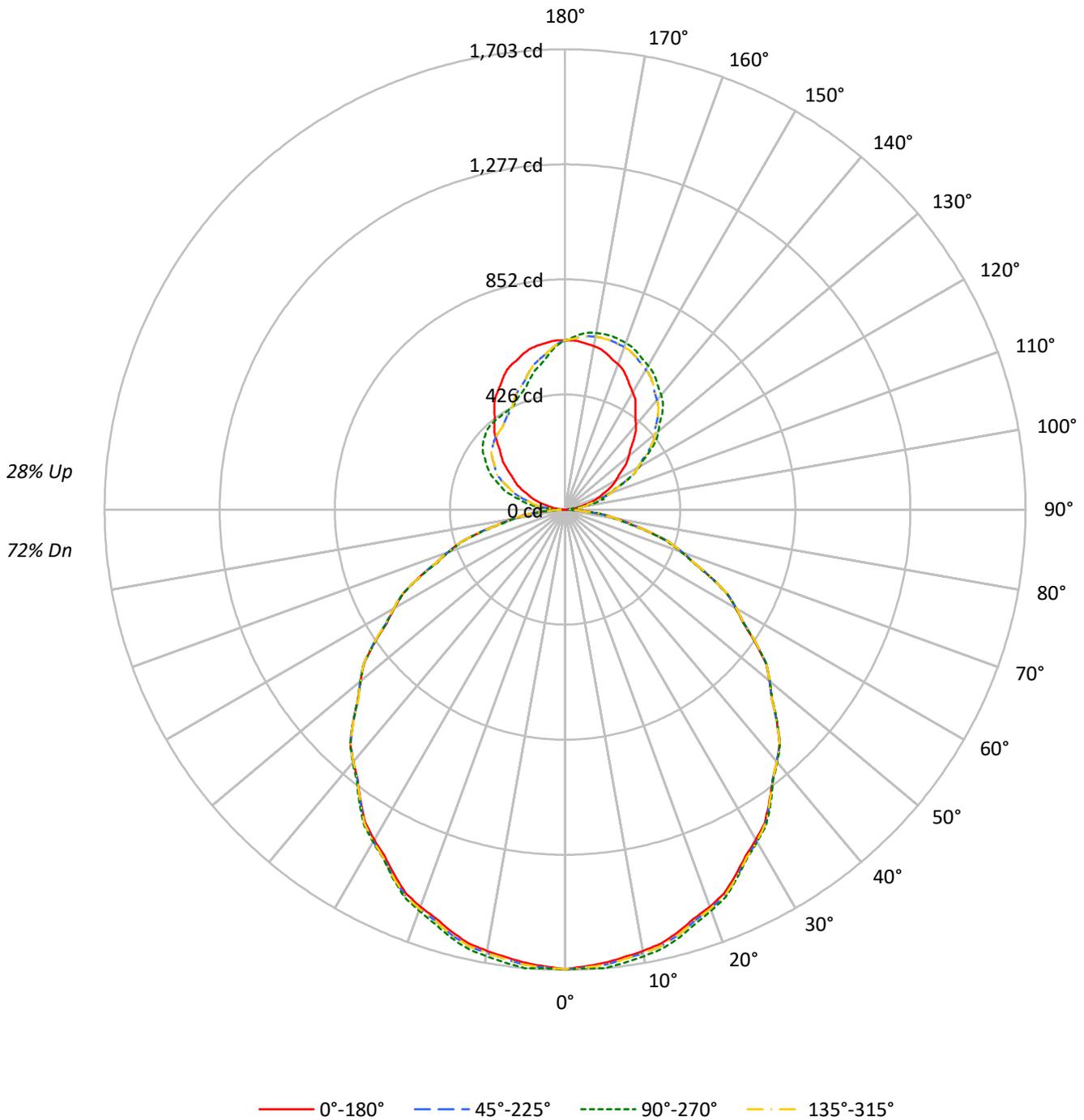
Lumens per Lamp: N/A
Luminaire Lumens: 6616.7 lumens
Efficiency: N/A
Efficacy: 103.2 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.25 / 1.36
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 64.1
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	0
RCR																		
0	112	112	112	112	107	107	107	107	96	96	96	86	86	86	77	77	77	72
1	103	98	94	90	97	93	89	86	84	81	78	75	73	71	67	66	64	60
2	93	85	79	73	88	81	75	70	73	69	65	66	62	59	59	56	54	50
3	85	75	67	61	80	71	64	59	64	59	54	58	54	50	52	49	46	42
4	78	66	58	51	73	63	55	50	57	51	46	52	47	42	46	42	39	36
5	71	59	50	44	67	56	48	43	51	45	40	46	41	37	42	37	34	31
6	66	53	44	38	62	51	43	37	46	39	35	42	36	32	38	33	30	27
7	61	48	40	34	57	46	38	33	42	35	30	38	33	28	35	30	26	24
8	57	44	35	30	53	42	34	29	38	32	27	35	29	25	32	27	24	21
9	53	40	32	27	50	38	31	26	35	29	24	32	27	23	29	25	21	19
10	49	37	29	24	47	35	28	23	32	26	22	30	24	21	27	23	19	17

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	2.4
10°-20°	459.8	6.9
20°-30°	692.1	10.5
30°-40°	827.6	12.5
40°-50°	854.6	12.9
50°-60°	770.8	11.6
60°-70°	590.5	8.9
70°-80°	341.2	5.2
80°-90°	91.2	1.4
90°-100°	49.8	0.8
100°-110°	145.3	2.2
110°-120°	237.1	3.6
120°-130°	300.9	4.5
130°-140°	322.0	4.9
140°-150°	300.7	4.5
150°-160°	247.4	3.7
160°-170°	165.9	2.5
170°-180°	58.9	0.9
0°-30°	1312.7	19.8
0°-40°	2140.3	32.3
0°-60°	3765.7	56.9
0°-90°	4788.6	72.4
90°-120°	432.3	6.5
90°-150°	1355.8	20.5
90°-180°	1828.0	27.6
0°-180°	6616.7	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°	2	14	2	27	2	5
95°	20	14	20	85	20	24
105°	92	148	92	204	92	98
115°	177	245	177	302	177	175
125°	262	389	262	371	262	234
135°	356	509	356	410	356	275
145°	455	587	455	419	455	285
155°	540	638	540	435	540	248
165°	597	665	597	501	597	168
175°	624	651	624	588	624	59
180°	626	626	626	626	626	



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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°	24.3	24.0	23.8	23.1	22.2	20.8	19.1	17.9	17.6	17.2	17.6
90°	1.9	4.4	7.6	10.1	12.0	12.6	12.6	13.3	13.9	13.9	13.9
92.5°	7.0	11.0	11.1	11.1	13.5	14.7	15.7	15.8	16.4	16.4	16.4
95°	19.6	21.5	32.3	31.6	21.5	17.1	14.5	14.5	14.5	14.5	14.5
97.5°	37.4	40.2	42.0	56.3	59.4	57.4	46.8	39.3	35.2	33.3	35.2
100°	53.1	54.4	58.2	58.8	74.6	89.8	82.2	72.7	69.6	67.7	69.6
102.5°	68.8	69.6	75.4	78.0	81.7	90.3	116.6	113.7	111.6	111.2	111.6
105°	92.3	93.0	103.7	108.8	111.3	111.3	110.7	123.3	143.6	148.0	143.6
107.5°	117.5	120.4	133.1	146.6	149.5	150.3	147.0	145.1	144.3	144.8	144.3
110°	134.7	139.1	154.3	171.4	175.8	177.1	175.8	173.9	172.6	172.6	172.6



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	151.4	157.8	175.0	194.7	202.1	205.9	203.1	201.7	200.5	201.5	200.5
115°	177.1	186.6	209.3	229.6	244.7	246.6	246.0	246.0	245.4	245.4	245.4
117.5°	200.9	216.0	241.6	265.1	282.7	287.7	290.3	289.5	288.8	290.0	288.8
120°	217.5	235.3	264.3	290.9	308.0	315.6	318.1	316.8	318.1	316.8	318.1
122.5°	235.3	257.0	285.6	313.2	333.3	341.9	344.9	345.2	345.4	344.7	345.4
125°	261.8	288.4	321.9	350.4	371.2	381.3	383.9	384.5	385.8	388.9	385.8
127.5°	288.6	318.7	355.5	383.0	404.4	416.6	420.5	421.9	424.6	426.0	424.6
130°	307.3	341.5	378.8	404.7	425.6	438.9	445.8	447.7	450.9	450.3	450.9
132.5°	327.1	362.7	400.6	427.5	446.9	461.2	467.1	472.5	473.7	474.6	473.7
135°	356.0	394.6	432.6	459.1	477.5	491.4	499.0	504.0	507.2	509.1	507.2
137.5°	386.5	427.3	463.7	487.3	505.8	517.8	526.4	531.7	535.0	536.5	535.0
140°	407.3	446.5	481.9	506.6	523.0	535.0	542.6	548.9	552.7	552.7	552.7
142.5°	427.0	465.7	500.1	524.8	539.2	550.2	558.3	563.1	567.4	567.4	567.4
145°	454.7	493.3	524.9	549.6	561.6	571.7	580.5	584.3	586.9	586.9	586.9
147.5°	483.7	517.8	546.7	570.3	580.4	592.3	599.3	602.3	605.5	604.1	605.5
150°	500.9	532.5	560.3	582.4	592.6	603.9	610.9	613.4	616.6	614.7	616.6
152.5°	517.6	547.7	573.0	593.6	602.2	613.6	621.5	624.1	626.2	624.8	626.2
155°	540.1	566.6	590.0	609.0	616.6	627.3	634.9	638.1	640.6	637.5	640.6
157.5°	560.2	583.1	603.4	620.9	629.0	638.2	645.3	649.2	651.8	650.4	651.8
160°	572.3	593.2	611.5	628.0	635.6	643.8	651.4	655.8	658.3	656.4	658.3
162.5°	582.4	601.3	618.6	633.5	640.1	647.3	656.4	660.4	662.9	660.5	662.9
165°	597.0	612.2	627.3	640.0	645.7	651.4	660.9	665.3	667.2	664.7	667.2
167.5°	608.0	619.6	631.9	642.8	647.0	652.5	662.0	665.7	668.1	664.9	668.1
170°	614.1	624.2	634.9	643.8	647.0	652.0	661.5	664.7	666.6	663.4	666.6
172.5°	619.1	626.7	635.4	643.3	644.9	649.0	658.0	661.1	662.5	659.9	662.5
175°	624.2	628.6	634.9	640.0	639.4	641.9	649.5	652.0	654.5	650.7	654.5
177.5°	626.6	628.6	630.6	633.7	631.6	631.6	637.2	638.7	639.2	637.2	639.2
180°	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1



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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°	17.9	19.1	20.8	22.2	23.1	23.8	24.0	24.3	24.0	23.6	23.4
90°	13.3	12.6	12.6	12.0	10.1	7.6	4.4	1.9	4.4	7.0	11.4
92.5°	15.8	15.7	14.7	13.5	11.1	11.1	11.0	7.0	12.0	17.1	24.5
95°	14.5	14.5	17.1	21.5	31.6	32.3	21.5	19.6	27.8	39.2	49.3
97.5°	39.3	46.8	57.4	59.4	56.3	42.0	40.2	37.4	51.0	62.2	78.5
100°	72.7	82.2	89.8	74.6	58.8	58.2	54.4	53.1	67.7	78.4	94.2
102.5°	113.7	116.6	90.3	81.7	78.0	75.4	69.6	68.8	83.4	98.1	111.4
105°	123.3	110.7	111.3	111.3	108.8	103.7	93.0	92.3	108.8	125.8	142.3
107.5°	145.1	147.0	150.3	149.5	146.6	133.1	120.4	117.5	132.3	152.8	170.9
110°	173.9	175.8	177.1	175.8	171.4	154.3	139.1	134.7	148.0	169.5	189.1



TEST NUMBER: P1427720

CATALOG NUMBER: SQ2W-F-K-050U-125D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	201.7	203.1	205.9	202.1	194.7	175.0	157.8	151.4	164.7	186.7	206.8
115°	246.0	246.0	246.6	244.7	229.6	209.3	186.6	177.1	188.5	208.7	230.8
117.5°	289.5	290.3	287.7	282.7	265.1	241.6	216.0	200.9	209.8	231.2	254.0
120°	316.8	318.1	315.6	308.0	290.9	264.3	235.3	217.5	224.5	245.4	268.1
122.5°	345.2	344.9	341.9	333.3	313.2	285.6	257.0	235.3	238.2	257.5	279.8
125°	384.5	383.9	381.3	371.2	350.4	321.9	288.4	261.8	258.0	274.5	297.2
127.5°	421.9	420.5	416.6	404.4	383.0	355.5	318.7	288.6	280.2	290.5	311.4
130°	447.7	445.8	438.9	425.6	404.7	378.8	341.5	307.3	295.3	301.7	320.0
132.5°	472.5	467.1	461.2	446.9	427.5	400.6	362.7	327.1	310.5	313.3	327.6
135°	504.0	499.0	491.4	477.5	459.1	432.6	394.6	356.0	333.3	330.7	339.0
137.5°	531.7	526.4	517.8	505.8	487.3	463.7	427.3	386.5	357.8	349.3	352.5
140°	548.9	542.6	535.0	523.0	506.6	481.9	446.5	407.3	375.0	363.0	361.1
142.5°	563.1	558.3	550.2	539.2	524.8	500.1	465.7	427.0	392.7	377.2	372.7
145°	584.3	580.5	571.7	561.6	549.6	524.9	493.3	454.7	420.5	400.3	390.8
147.5°	602.3	599.3	592.3	580.4	570.3	546.7	517.8	483.7	448.6	423.6	411.3
150°	613.4	610.9	603.9	592.6	582.4	560.3	532.5	500.9	467.3	440.8	425.0
152.5°	624.1	621.5	613.6	602.2	593.6	573.0	547.7	517.6	483.5	457.0	440.7
155°	638.1	634.9	627.3	616.6	609.0	590.0	566.6	540.1	511.0	483.2	464.8
157.5°	649.2	645.3	638.2	629.0	620.9	603.4	583.1	560.2	534.8	508.2	489.5
160°	655.8	651.4	643.8	635.6	628.0	611.5	593.2	572.3	548.9	524.9	504.7
162.5°	660.4	656.4	647.3	640.1	633.5	618.6	601.3	582.4	561.6	540.6	521.9
165°	665.3	660.9	651.4	645.7	640.0	627.3	612.2	597.0	579.3	562.2	547.0
167.5°	665.7	662.0	652.5	647.0	642.8	631.9	619.6	608.0	594.2	580.8	568.2
170°	664.7	661.5	652.0	647.0	643.8	634.9	624.2	614.1	603.3	591.9	581.8
172.5°	661.1	658.0	649.0	644.9	643.3	635.4	626.7	619.1	609.9	601.5	593.4
175°	652.0	649.5	641.9	639.4	640.0	634.9	628.6	624.2	618.5	613.4	609.0
177.5°	638.7	637.2	631.6	631.6	633.7	630.6	628.6	626.6	624.1	622.5	621.0
180°	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1



TEST NUMBER: P1427720

CATALOG NUMBER: SQ2W-F-K-050U-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°	22.7	22.1	21.3	20.4	20.5	19.8	20.5	20.4	21.3	22.1	22.7
90°	14.5	19.0	23.4	25.9	28.5	27.2	28.5	25.9	23.4	19.0	14.5
92.5°	29.2	36.7	42.1	46.7	48.7	48.4	48.7	46.7	42.1	36.7	29.2
95°	58.8	67.7	76.5	82.8	86.6	85.4	86.6	82.8	76.5	67.7	58.8
97.5°	90.7	102.6	112.4	118.4	122.2	124.7	122.2	118.4	112.4	102.6	90.7
100°	111.9	123.3	134.7	141.7	148.0	150.5	148.0	141.7	134.7	123.3	111.9
102.5°	129.1	144.1	156.5	163.9	169.2	171.8	169.2	163.9	156.5	144.1	129.1
105°	157.5	173.3	186.6	196.0	201.7	203.6	201.7	196.0	186.6	173.3	157.5
107.5°	185.8	202.1	214.4	224.9	231.8	235.9	231.8	224.9	214.4	202.1	185.8
110°	208.1	221.3	234.6	244.1	251.1	253.6	251.1	244.1	234.6	221.3	208.1



TEST NUMBER: P1427720

CATALOG NUMBER: SQ2W-F-K-050U-125D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	226.8	241.6	254.9	264.3	272.3	275.9	272.3	264.3	254.9	241.6	226.8
115°	253.0	272.6	284.6	293.4	299.1	302.3	299.1	293.4	284.6	272.6	253.0
117.5°	274.7	295.2	308.4	315.2	317.8	320.1	317.8	315.2	308.4	295.2	274.7
120°	288.4	307.3	322.5	331.4	334.5	335.8	334.5	331.4	322.5	307.3	288.4
122.5°	301.0	319.0	333.7	344.5	349.7	351.0	349.7	344.5	333.7	319.0	301.0
125°	318.7	335.8	351.0	361.7	367.4	370.6	367.4	361.7	351.0	335.8	318.7
127.5°	334.2	352.6	366.5	376.3	381.8	384.4	381.8	376.3	366.5	352.6	334.2
130°	342.8	361.7	375.6	386.4	391.5	394.0	391.5	386.4	375.6	361.7	342.8
132.5°	349.3	369.3	383.7	393.5	399.0	401.6	399.0	393.5	383.7	369.3	349.3
135°	357.3	378.2	393.4	402.8	407.9	410.4	407.9	402.8	393.4	378.2	357.3
137.5°	364.3	383.2	399.0	409.0	413.6	415.2	413.6	409.0	399.0	383.2	364.3
140°	369.3	385.8	401.6	411.1	416.1	416.8	416.1	411.1	401.6	385.8	369.3
142.5°	375.9	388.8	402.6	412.1	417.1	418.3	417.1	412.1	402.6	388.8	375.9
145°	387.7	395.3	404.7	413.6	418.0	419.3	418.0	413.6	404.7	395.3	387.7
147.5°	402.5	404.9	409.8	415.6	419.9	420.8	419.9	415.6	409.8	404.9	402.5
150°	413.6	413.0	414.9	418.7	422.4	421.8	422.4	418.7	414.9	413.0	413.6
152.5°	426.2	422.6	422.4	424.2	426.0	425.9	426.0	424.2	422.4	422.6	426.2
155°	447.7	440.8	437.0	435.7	435.7	435.1	435.7	435.7	437.0	440.8	447.7
157.5°	471.4	461.7	456.0	452.9	452.0	450.7	452.0	452.9	456.0	461.7	471.4
160°	487.6	476.8	471.1	466.1	464.2	462.3	464.2	466.1	471.1	476.8	487.6
162.5°	502.8	492.5	486.3	481.8	479.9	477.0	479.9	481.8	486.3	492.5	502.8
165°	527.4	516.7	509.7	505.9	503.4	500.9	503.4	505.9	509.7	516.7	527.4
167.5°	552.1	540.3	535.8	531.5	529.1	524.5	529.1	531.5	535.8	540.3	552.1
170°	567.3	556.5	554.0	550.2	545.8	540.7	545.8	550.2	554.0	556.5	567.3
172.5°	580.4	573.2	570.7	566.9	565.5	561.4	565.5	566.9	570.7	573.2	580.4
175°	599.5	593.8	593.8	593.2	591.3	587.5	591.3	593.2	593.8	593.8	599.5
177.5°	615.5	612.4	614.4	614.4	613.9	610.4	613.9	614.4	614.4	612.4	615.5
180°	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1



TEST NUMBER: P1427720

CATALOG NUMBER: SQ2W-F-K-050U-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°	23.4	23.6	24.0	24.3
90°	11.4	7.0	4.4	1.9
92.5°	24.5	17.1	12.0	7.0
95°	49.3	39.2	27.8	19.6
97.5°	78.5	62.2	51.0	37.4
100°	94.2	78.4	67.7	53.1
102.5°	111.4	98.1	83.4	68.8
105°	142.3	125.8	108.8	92.3
107.5°	170.9	152.8	132.3	117.5
110°	189.1	169.5	148.0	134.7



TEST NUMBER: P1427720

CATALOG NUMBER: SQ2W-F-K-050U-125D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	206.8	186.7	164.7	151.4
115°	230.8	208.7	188.5	177.1
117.5°	254.0	231.2	209.8	200.9
120°	268.1	245.4	224.5	217.5
122.5°	279.8	257.5	238.2	235.3
125°	297.2	274.5	258.0	261.8
127.5°	311.4	290.5	280.2	288.6
130°	320.0	301.7	295.3	307.3
132.5°	327.6	313.3	310.5	327.1
135°	339.0	330.7	333.3	356.0
137.5°	352.5	349.3	357.8	386.5
140°	361.1	363.0	375.0	407.3
142.5°	372.7	377.2	392.7	427.0
145°	390.8	400.3	420.5	454.7
147.5°	411.3	423.6	448.6	483.7
150°	425.0	440.8	467.3	500.9
152.5°	440.7	457.0	483.5	517.6
155°	464.8	483.2	511.0	540.1
157.5°	489.5	508.2	534.8	560.2
160°	504.7	524.9	548.9	572.3
162.5°	521.9	540.6	561.6	582.4
165°	547.0	562.2	579.3	597.0
167.5°	568.2	580.8	594.2	608.0
170°	581.8	591.9	603.3	614.1
172.5°	593.4	601.5	609.9	619.1
175°	609.0	613.4	618.5	624.2
177.5°	621.0	622.5	624.1	626.6
180°	626.1	626.1	626.1	626.1



TEST NUMBER: P1427720
 CATALOG NUMBER: SQ2W-F-K-050U-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	21.21	22.34	21.95	23.10	24.01	21.13	22.25	21.86	23.01	23.92
	3H	23.02	24.03	23.77	24.80	25.74	22.92	23.93	23.67	24.70	25.64
	4H	23.73	24.68	24.49	25.46	26.42	23.61	24.57	24.38	25.35	26.30
	6H	24.18	25.06	24.96	25.85	26.82	24.04	24.92	24.82	25.71	26.68
	8H	24.35	25.19	25.14	26.00	26.96	24.19	25.03	24.98	25.84	26.81
	12H	24.44	25.24	25.24	26.04	27.04	24.26	25.07	25.06	25.87	26.86
4H	2H	21.82	22.78	22.59	23.56	24.51	21.76	22.71	22.53	23.49	24.44
	3H	23.87	24.67	24.65	25.48	26.45	23.78	24.58	24.56	25.39	26.36
	4H	24.69	25.42	25.49	26.23	27.23	24.58	25.31	25.38	26.12	27.12
	6H	25.26	25.89	26.08	26.73	27.73	25.12	25.75	25.93	26.59	27.59
	8H	25.48	26.07	26.30	26.90	27.92	25.32	25.91	26.14	26.75	27.76
	12H	25.61	26.14	26.45	26.99	28.02	25.42	25.95	26.26	26.81	27.83
8H	4H	24.96	25.55	25.78	26.38	27.40	24.86	25.45	25.68	26.28	27.30
	6H	25.66	26.15	26.51	27.02	28.04	25.53	26.02	26.38	26.89	27.91
	8H	25.97	26.40	26.83	27.27	28.31	25.81	26.25	26.67	27.12	28.15
	12H	26.16	26.55	27.02	27.41	28.50	25.97	26.36	26.83	27.22	28.31
12H	4H	24.97	25.50	25.81	26.35	27.37	24.87	25.41	25.71	26.26	27.28
	6H	25.71	26.15	26.57	27.02	28.05	25.59	26.02	26.45	26.89	27.93
	8H	26.06	26.44	26.92	27.30	28.39	25.91	26.29	26.77	27.15	28.24