

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: P1435814

Luminaire Tested: SQ2W-FA-K-100U-050D-L930-UNV-STD-W-WM-4

Issue Date: 3/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1435814
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-050D-L930-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - FROSTED CONTINUOUS ASYMMETRIC ROLL LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 500 LUMENS PER FOOT
UPLIGHT 1000 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

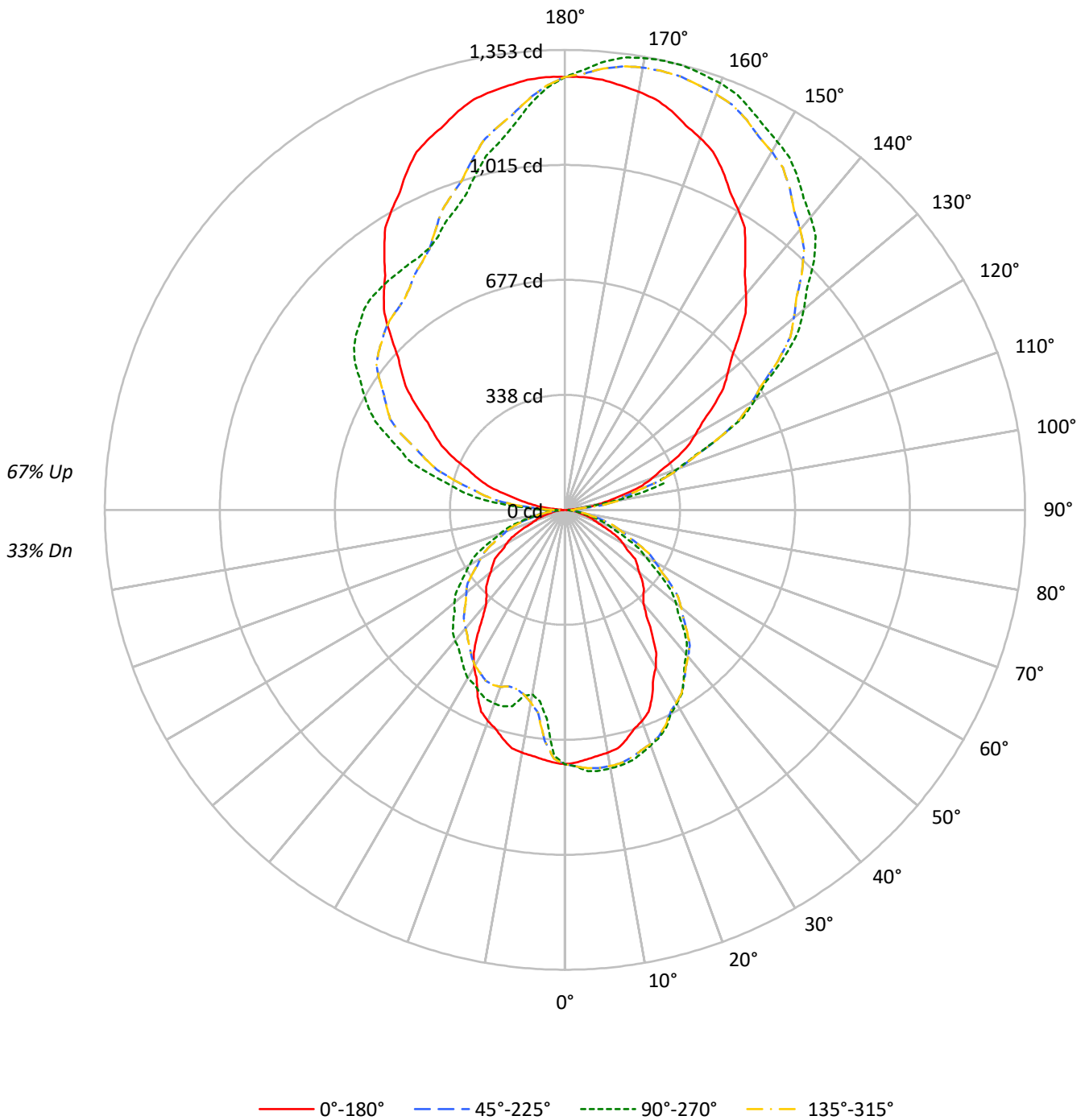
Lumens per Lamp: N/A
Luminaire Lumens: 5583.2 lumens
Efficiency: N/A
Efficacy: 109.7 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.23 / 1.34
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 50.9
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

TEST NUMBER: P1435814

CATALOG NUMBER: SQ2W-FA-K-100U-050D-L930-UNV-STD-W-WM-4

Luminous Intensity Polar Plot





TEST NUMBER: P1435814

CATALOG NUMBER: SQ2W-FA-K-100U-050D-L930-UNV-STD-W-WM-4

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	103	103	103	103	93	93	93	93	74	74	74	57	57	57	41	41	41	33
1	94	90	86	83	85	81	78	75	65	63	61	50	49	47	36	35	35	28
2	86	79	73	68	77	71	66	62	57	53	50	44	42	40	32	30	29	24
3	78	69	62	56	70	62	56	52	50	46	42	39	36	33	28	26	25	20
4	71	61	53	47	64	55	49	44	44	40	36	35	31	29	25	23	21	17
5	65	54	46	40	59	49	42	37	40	35	31	31	27	25	23	20	19	15
6	60	48	41	35	54	44	37	32	36	31	27	28	24	22	21	18	16	13
7	56	44	36	30	50	40	33	28	32	27	24	25	22	19	19	16	14	12
8	51	39	32	27	46	36	29	25	29	24	21	23	19	17	17	15	13	10
9	48	36	29	24	43	33	26	22	27	22	18	21	18	15	16	13	12	9
10	45	33	26	21	40	30	24	20	25	20	17	19	16	14	15	12	11	8

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	12088	12088	12088	12088
5°	11946	12510	11946	9971
10°	11894	12655	11894	9040
15°	11689	12757	11689	9992
20°	11367	12665	11367	10421
25°	10805	12563	10805	10546
30°	9954	12280	9954	10658
35°	8808	12011	8808	10466
40°	7583	11683	7583	10580
45°	7487	11264	7487	10601
50°	7144	10715	7144	10643
55°	7108	9883	7108	10536
60°	6371	8809	6371	10495
65°	5433	7759	5433	10200
70°	4385	6576	4385	9451
75°	3799	5433	3799	8690
80°	3236	4045	3236	7011
85°	2149	2149	2149	4298

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 11618 cd/sqm

TEST NUMBER: P1435814

CATALOG NUMBER: SQ2W-FA-K-100U-050D-L930-UNV-STD-W-WM-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.4	1.2
10°-20°	188.2	3.4
20°-30°	285.9	5.1
30°-40°	335.6	6.0
40°-50°	340.6	6.1
50°-60°	298.3	5.3
60°-70°	211.6	3.8
70°-80°	108.9	2.0
80°-90°	28.1	0.5
90°-100°	101.4	1.8
100°-110°	295.6	5.3
110°-120°	482.4	8.6
120°-130°	612.1	11.0
130°-140°	655.0	11.7
140°-150°	611.6	11.0
150°-160°	503.3	9.0
160°-170°	337.5	6.0
170°-180°	119.8	2.1
0°-30°	541.4	9.7
0°-40°	877.0	15.7
0°-60°	1515.9	27.2
0°-90°	1864.5	33.4
90°-120°	879.3	15.7
90°-150°	2758.0	49.4
90°-180°	3719.0	66.6
0°-180°	5583.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	749	749	749	749	749	
5°	737	772	737	615	737	70
15°	699	763	699	598	699	196
25°	606	705	606	592	606	277
35°	447	609	447	531	447	278
45°	328	493	328	464	328	251
55°	252	351	252	374	252	218
65°	142	203	142	267	142	142
75°	61	87	61	139	61	66
85°	12	12	12	23	12	15
90°	4	28	4	55	4	3
95°	40	30	40	174	40	48
105°	188	301	188	414	188	200
115°	360	499	360	615	360	355
125°	533	791	533	754	533	477
135°	724	1036	724	835	724	560
145°	925	1194	925	853	925	579
155°	1099	1297	1099	885	1099	505
165°	1214	1352	1214	1019	1214	342
175°	1270	1324	1270	1195	1270	120
180°	1274	1274	1274	1274	1274	



TEST NUMBER: P1435814

CATALOG NUMBER: SQ2W-FA-K-100U-050D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	748.7	748.7	748.7	748.7	748.7	748.7	748.7	748.7	748.7	748.7	748.7
2.5°	744.0	749.2	754.4	755.6	755.6	755.6	755.6	755.6	755.6	755.6	755.6
5°	737.1	746.1	755.1	759.3	761.9	763.8	765.1	766.7	769.3	771.9	769.3
7.5°	730.1	742.2	754.4	760.3	764.2	767.3	769.6	771.6	772.9	774.2	772.9
10°	725.5	739.7	753.8	760.3	764.2	766.7	768.0	769.3	770.6	771.9	770.6
12.5°	718.5	733.7	748.9	756.4	761.3	764.4	765.7	767.0	768.3	769.6	768.3
15°	699.3	720.0	740.6	748.7	752.5	755.8	758.4	760.6	761.9	763.2	761.9
17.5°	675.6	700.6	725.6	735.7	740.9	744.6	746.9	748.9	750.0	751.0	750.0
20°	661.6	688.7	715.8	726.4	731.6	734.8	736.1	737.1	737.1	737.1	737.1
22.5°	643.1	673.2	703.4	714.8	720.0	722.7	723.0	723.4	724.4	725.5	724.4
25°	606.5	641.3	676.1	690.6	698.4	701.6	700.3	700.0	702.6	705.2	702.6
27.5°	561.8	605.7	649.5	664.3	669.5	672.7	674.0	675.0	675.0	675.0	675.0
30°	533.9	583.0	632.0	648.1	653.2	656.5	657.8	658.7	658.7	658.7	658.7
32.5°	499.1	557.4	615.7	633.4	637.5	639.7	640.0	640.2	640.2	640.2	640.2
35°	446.9	517.8	588.8	608.4	611.0	612.3	612.3	612.0	610.7	609.4	610.7
37.5°	394.7	475.1	555.6	578.6	582.5	583.5	581.7	580.0	578.8	577.5	578.8
40°	359.8	447.5	535.2	560.1	563.9	563.9	560.1	556.8	555.5	554.3	555.5
42.5°	341.3	427.9	514.6	539.2	543.0	542.5	537.6	533.6	532.3	531.0	532.3
45°	327.9	405.3	482.7	504.9	508.8	508.1	503.0	498.5	495.9	493.3	495.9
47.5°	307.6	375.7	443.8	465.7	472.1	471.5	463.7	457.3	454.7	452.1	454.7
50°	284.4	351.4	418.5	440.1	446.6	445.9	438.2	431.7	429.2	426.6	429.2
52.5°	268.1	331.1	394.0	413.8	419.2	417.5	408.8	401.6	399.0	396.4	399.0
55°	252.5	305.3	358.2	374.3	378.2	375.6	366.6	358.9	355.0	351.1	355.0
57.5°	215.9	266.2	316.5	332.2	336.3	333.2	322.9	314.0	309.7	305.3	309.7
60°	197.3	242.5	287.6	302.8	307.9	305.3	295.0	285.7	279.2	272.8	279.2
62.5°	176.4	216.4	256.4	271.8	279.0	277.5	267.2	257.8	251.4	244.9	251.4
65°	142.2	177.0	211.8	227.3	236.3	235.7	225.4	216.0	209.6	203.1	209.6
67.5°	111.4	141.4	171.3	186.5	196.8	196.3	184.9	175.1	170.0	164.8	170.0
70°	92.9	118.7	144.4	158.6	169.0	169.0	158.6	149.6	144.4	139.3	144.4
72.5°	81.3	100.9	120.5	133.9	145.2	145.2	133.9	124.3	120.2	116.1	120.2
75°	60.9	72.5	84.2	96.7	109.6	110.9	100.6	92.2	89.6	87.1	89.6
77.5°	44.1	49.5	54.9	64.8	76.2	77.4	68.7	61.8	60.8	59.8	60.8
80°	34.8	36.1	37.4	45.5	55.8	57.1	49.3	43.5	43.5	43.5	43.5
82.5°	23.2	24.5	25.8	31.5	38.8	39.5	33.9	29.3	28.3	27.3	28.3
85°	11.6	11.6	11.6	13.5	16.1	16.1	13.5	11.6	11.6	11.6	11.6
87.5°	3.1	4.1	5.4	7.2	9.0	9.3	8.2	7.7	8.0	8.0	8.0
90°	3.9	9.0	15.4	20.6	24.4	25.7	25.7	27.0	28.3	28.3	28.3
92.5°	14.2	22.4	22.6	22.6	27.5	29.8	31.9	32.2	33.4	33.4	33.4
95°	39.9	43.7	65.6	64.3	43.7	34.7	29.6	29.6	29.6	29.6	29.6
97.5°	76.2	81.8	85.4	114.5	120.9	116.8	95.2	80.0	71.5	67.7	71.5
100°	108.1	110.6	118.4	119.6	151.8	182.7	167.2	147.9	141.5	137.6	141.5
102.5°	140.0	141.5	153.3	158.7	166.2	183.7	237.2	231.3	226.9	226.2	226.9
105°	187.8	189.1	211.0	221.3	226.4	226.4	225.1	250.9	292.0	301.0	292.0
107.5°	239.0	244.9	270.7	298.2	304.1	305.7	299.0	295.1	293.6	294.6	293.6
110°	274.0	283.0	313.9	348.6	357.6	360.2	357.6	353.8	351.2	351.2	351.2

TEST NUMBER: P1435814

CATALOG NUMBER: SQ2W-FA-K-100U-050D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	308.0	321.1	356.1	396.0	411.1	418.9	413.2	410.4	407.8	409.9	407.8
115°	360.2	379.5	425.8	467.0	497.9	501.7	500.4	500.4	499.1	499.1	499.1
117.5°	408.6	439.5	491.4	539.3	575.0	585.3	590.5	588.9	587.4	590.0	587.4
120°	442.5	478.6	537.7	591.8	626.5	641.9	647.1	644.5	647.1	644.5	647.1
122.5°	478.6	522.8	581.0	637.0	678.0	695.5	701.6	702.1	702.7	701.1	702.7
125°	532.6	586.6	654.8	712.7	755.1	775.7	780.9	782.2	784.7	791.2	784.7
127.5°	587.1	648.4	723.2	779.1	822.6	847.5	855.5	858.3	863.7	866.6	863.7
130°	625.2	694.7	770.6	823.3	865.8	892.8	906.9	910.8	917.2	916.0	917.2
132.5°	665.4	737.9	814.8	869.6	909.0	938.1	950.2	961.2	963.5	965.4	963.5
135°	724.3	802.7	879.9	934.0	971.3	999.6	1015.0	1025.3	1031.7	1035.6	1031.7
137.5°	786.3	869.1	943.2	991.3	1028.9	1053.3	1070.8	1081.6	1088.3	1091.4	1088.3
140°	828.5	908.2	980.3	1030.4	1063.9	1088.3	1103.8	1116.6	1124.4	1124.4	1124.4
142.5°	868.6	947.3	1017.3	1067.5	1096.8	1119.2	1135.7	1145.5	1154.2	1154.2	1154.2
145°	925.0	1003.4	1067.8	1117.9	1142.4	1162.9	1181.0	1188.7	1193.8	1193.8	1193.8
147.5°	983.9	1053.3	1112.0	1160.1	1180.7	1204.9	1219.0	1225.2	1231.6	1228.8	1231.6
150°	1018.9	1083.2	1139.8	1184.8	1205.4	1228.6	1242.7	1247.9	1254.3	1250.4	1254.3
152.5°	1052.8	1114.1	1165.5	1207.5	1225.0	1248.1	1264.3	1269.5	1273.8	1271.0	1273.8
155°	1098.6	1152.7	1200.3	1238.8	1254.3	1276.2	1291.6	1298.0	1303.2	1296.7	1303.2
157.5°	1139.5	1186.1	1227.5	1263.0	1279.5	1298.3	1312.7	1320.7	1325.8	1323.0	1325.8
160°	1164.2	1206.7	1244.0	1277.4	1292.9	1309.6	1325.0	1334.0	1339.2	1335.3	1339.2
162.5°	1184.8	1223.2	1258.4	1288.8	1302.1	1316.8	1335.3	1343.3	1348.5	1343.6	1348.5
165°	1214.4	1245.3	1276.2	1301.9	1313.5	1325.0	1344.3	1353.3	1357.2	1352.1	1357.2
167.5°	1236.8	1260.5	1285.4	1307.5	1316.0	1327.4	1346.7	1354.1	1359.0	1352.6	1359.0
170°	1249.1	1269.7	1291.6	1309.6	1316.0	1326.3	1345.6	1352.1	1355.9	1349.5	1355.9
172.5°	1259.4	1274.9	1292.6	1308.6	1311.9	1320.2	1338.4	1344.9	1347.7	1342.3	1347.7
175°	1269.7	1278.7	1291.6	1301.9	1300.6	1305.7	1321.2	1326.3	1331.5	1323.8	1331.5
177.5°	1274.6	1278.7	1282.8	1289.0	1284.9	1284.9	1296.2	1299.3	1300.3	1296.2	1300.3
180°	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6



TEST NUMBER: P1435814

CATALOG NUMBER: SQ2W-FA-K-100U-050D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	748.7	748.7	748.7	748.7	748.7	748.7	748.7	748.7	748.7	748.7	748.7
2.5°	755.6	755.6	755.6	755.6	755.6	754.4	749.2	744.0	744.0	744.0	740.2
5°	766.7	765.1	763.8	761.9	759.3	755.1	746.1	737.1	733.2	729.3	712.9
7.5°	771.6	769.6	767.3	764.2	760.3	754.4	742.2	730.1	712.8	695.5	658.9
10°	769.3	768.0	766.7	764.2	760.3	753.8	739.7	725.5	690.6	655.8	621.0
12.5°	767.0	765.7	764.4	761.3	756.4	748.9	733.7	718.5	669.2	620.0	588.5
15°	760.6	758.4	755.8	752.5	748.7	740.6	720.0	699.3	643.9	588.4	562.0
17.5°	748.9	746.9	744.6	740.9	735.7	725.6	700.6	675.6	617.5	559.5	542.5
20°	737.1	736.1	734.8	731.6	726.4	715.8	688.7	661.6	603.6	545.5	537.8
22.5°	723.4	723.0	722.7	720.0	714.8	703.4	673.2	643.1	586.0	529.0	529.3
25°	700.0	700.3	701.6	698.4	690.6	676.1	641.3	606.5	556.2	505.9	514.6
27.5°	675.0	674.0	672.7	669.5	664.3	649.5	605.7	561.8	522.1	482.4	496.8
30°	658.7	657.8	656.5	653.2	648.1	632.0	583.0	533.9	500.4	466.9	483.6
32.5°	640.2	640.0	639.7	637.5	633.4	615.7	557.4	499.1	474.9	450.6	468.2
35°	612.0	612.3	612.3	611.0	608.4	588.8	517.8	446.9	436.6	426.3	446.9
37.5°	580.0	581.7	583.5	582.5	578.6	555.6	475.1	394.7	398.0	401.4	426.4
40°	556.8	560.1	563.9	563.9	560.1	535.2	447.5	359.8	371.4	383.0	410.1
42.5°	533.6	537.6	542.5	543.0	539.2	514.6	427.9	341.3	353.9	366.5	394.7
45°	498.5	503.0	508.1	508.8	504.9	482.7	405.3	327.9	335.6	343.4	370.5
47.5°	457.3	463.7	471.5	472.1	465.7	443.8	375.7	307.6	313.3	318.9	346.7
50°	431.7	438.2	445.9	446.6	440.1	418.5	351.4	284.4	292.1	299.9	328.9
52.5°	401.6	408.8	417.5	419.2	413.8	394.0	331.1	268.1	272.8	277.4	308.8
55°	358.9	366.6	375.6	378.2	374.3	358.2	305.3	252.5	248.6	244.7	276.6
57.5°	314.0	322.9	333.2	336.3	332.2	316.5	266.2	215.9	212.5	209.2	243.8
60°	285.7	295.0	305.3	307.9	302.8	287.6	242.5	197.3	190.9	184.4	220.5
62.5°	257.8	267.2	277.5	279.0	271.8	256.4	216.4	176.4	172.0	167.7	202.7
65°	216.0	225.4	235.7	236.3	227.3	211.8	177.0	142.2	144.8	147.4	178.9
67.5°	175.1	184.9	196.3	196.8	186.5	171.3	141.4	111.4	119.9	128.5	156.9
70°	149.6	158.6	169.0	169.0	158.6	144.4	118.7	92.9	104.5	116.1	142.2
72.5°	124.3	133.9	145.2	145.2	133.9	120.5	100.9	81.3	92.9	104.5	125.9
75°	92.2	100.6	110.9	109.6	96.7	84.2	72.5	60.9	72.5	84.2	100.6
77.5°	61.8	68.7	77.4	76.2	64.8	54.9	49.5	44.1	53.7	63.2	74.7
80°	43.5	49.3	57.1	55.8	45.5	37.4	36.1	34.8	41.3	47.7	56.1
82.5°	29.3	33.9	39.5	38.8	31.5	25.8	24.5	23.2	28.6	34.0	39.9
85°	11.6	13.5	16.1	16.1	13.5	11.6	11.6	11.6	14.2	16.8	19.3
87.5°	7.7	8.2	9.3	9.0	7.2	5.4	4.1	3.1	5.2	7.2	9.3
90°	27.0	25.7	25.7	24.4	20.6	15.4	9.0	3.9	9.0	14.2	23.2
92.5°	32.2	31.9	29.8	27.5	22.6	22.6	22.4	14.2	24.4	34.7	49.9
95°	29.6	29.6	34.7	43.7	64.3	65.6	43.7	39.9	56.6	79.8	100.3
97.5°	80.0	95.2	116.8	120.9	114.5	85.4	81.8	76.2	103.7	126.6	159.8
100°	147.9	167.2	182.7	151.8	119.6	118.4	110.6	108.1	137.6	159.5	191.7
102.5°	231.3	237.2	183.7	166.2	158.7	153.3	141.5	140.0	169.6	199.7	226.7
105°	250.9	225.1	226.4	226.4	221.3	211.0	189.1	187.8	221.3	256.0	289.5
107.5°	295.1	299.0	305.7	304.1	298.2	270.7	244.9	239.0	269.1	310.8	347.6
110°	353.8	357.6	360.2	357.6	348.6	313.9	283.0	274.0	301.0	344.8	384.6

TEST NUMBER: P1435814

CATALOG NUMBER: SQ2W-FA-K-100U-050D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	410.4	413.2	418.9	411.1	396.0	356.1	321.1	308.0	335.0	379.8	420.7
115°	500.4	500.4	501.7	497.9	467.0	425.8	379.5	360.2	383.4	424.5	469.6
117.5°	588.9	590.5	585.3	575.0	539.3	491.4	439.5	408.6	426.8	470.3	516.6
120°	644.5	647.1	641.9	626.5	591.8	537.7	478.6	442.5	456.7	499.1	545.5
122.5°	702.1	701.6	695.5	678.0	637.0	581.0	522.8	478.6	484.5	523.8	569.1
125°	782.2	780.9	775.7	755.1	712.7	654.8	586.6	532.6	524.9	558.3	604.6
127.5°	858.3	855.5	847.5	822.6	779.1	723.2	648.4	587.1	569.9	591.0	633.4
130°	910.8	906.9	892.8	865.8	823.3	770.6	694.7	625.2	600.8	613.6	650.9
132.5°	961.2	950.2	938.1	909.0	869.6	814.8	737.9	665.4	631.6	637.3	666.4
135°	1025.3	1015.0	999.6	971.3	934.0	879.9	802.7	724.3	678.0	672.8	689.5
137.5°	1081.6	1070.8	1053.3	1028.9	991.3	943.2	869.1	786.3	727.9	710.6	717.1
140°	1116.6	1103.8	1088.3	1063.9	1030.4	980.3	908.2	828.5	762.9	738.4	734.6
142.5°	1145.5	1135.7	1119.2	1096.8	1067.5	1017.3	947.3	868.6	798.9	767.2	758.2
145°	1188.7	1181.0	1162.9	1142.4	1117.9	1067.8	1003.4	925.0	855.5	814.3	795.0
147.5°	1225.2	1219.0	1204.9	1180.7	1160.1	1112.0	1053.3	983.9	912.6	861.7	836.7
150°	1247.9	1242.7	1228.6	1205.4	1184.8	1139.8	1083.2	1018.9	950.7	896.7	864.5
152.5°	1269.5	1264.3	1248.1	1225.0	1207.5	1165.5	1114.1	1052.8	983.6	929.6	896.4
155°	1298.0	1291.6	1276.2	1254.3	1238.8	1200.3	1152.7	1098.6	1039.4	982.8	945.5
157.5°	1320.7	1312.7	1298.3	1279.5	1263.0	1227.5	1186.1	1139.5	1087.8	1033.8	995.7
160°	1334.0	1325.0	1309.6	1292.9	1277.4	1244.0	1206.7	1164.2	1116.6	1067.8	1026.6
162.5°	1343.3	1335.3	1316.8	1302.1	1288.8	1258.4	1223.2	1184.8	1142.4	1099.7	1061.6
165°	1353.3	1344.3	1325.0	1313.5	1301.9	1276.2	1245.3	1214.4	1178.4	1143.7	1112.8
167.5°	1354.1	1346.7	1327.4	1316.0	1307.5	1285.4	1260.5	1236.8	1208.7	1181.5	1155.7
170°	1352.1	1345.6	1326.3	1316.0	1309.6	1291.6	1269.7	1249.1	1227.3	1204.1	1183.5
172.5°	1344.9	1338.4	1320.2	1311.9	1308.6	1292.6	1274.9	1259.4	1240.7	1223.7	1207.2
175°	1326.3	1321.2	1305.7	1300.6	1301.9	1291.6	1278.7	1269.7	1258.1	1247.9	1238.8
177.5°	1299.3	1296.2	1284.9	1284.9	1289.0	1282.8	1278.7	1274.6	1269.5	1266.4	1263.3
180°	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6



TEST NUMBER: P1435814

CATALOG NUMBER: SQ2W-FA-K-100U-050D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	748.7	748.7	748.7	748.7	748.7	748.7	748.7	748.7	748.7	748.7	748.7
2.5°	735.0	730.9	727.8	725.2	724.2	723.1	724.2	725.2	727.8	730.9	735.0
5°	692.3	670.3	647.1	628.1	621.6	615.2	621.6	628.1	647.1	670.3	692.3
7.5°	615.8	589.4	579.6	571.7	569.7	567.6	569.7	571.7	579.6	589.4	615.8
10°	586.2	564.9	557.2	551.4	551.4	551.4	551.4	551.4	557.2	564.9	586.2
12.5°	563.0	549.9	549.4	550.3	555.5	560.6	555.5	550.3	549.4	549.9	563.0
15°	545.2	547.2	567.8	584.9	591.3	597.8	591.3	584.9	567.8	547.2	545.2
17.5°	539.1	550.2	575.7	596.2	601.3	606.5	601.3	596.2	575.7	550.2	539.1
20°	546.8	561.0	580.4	596.2	601.3	606.5	601.3	596.2	580.4	561.0	546.8
22.5°	548.6	565.9	581.1	593.8	599.0	604.2	599.0	593.8	581.1	565.9	548.6
25°	543.0	563.6	576.5	586.8	589.4	592.0	589.4	586.8	576.5	563.6	543.0
27.5°	529.3	552.0	564.9	575.0	576.8	578.6	576.8	575.0	564.9	552.0	529.3
30°	517.2	540.4	553.3	563.9	567.8	571.7	567.8	563.9	553.3	540.4	517.2
32.5°	499.6	523.4	539.4	551.5	552.3	553.1	552.3	551.5	539.4	523.4	499.6
35°	477.8	502.3	520.4	533.6	532.3	531.0	532.3	533.6	520.4	502.3	477.8
37.5°	458.6	482.6	498.3	510.5	512.1	513.6	512.1	510.5	498.3	482.6	458.6
40°	442.4	466.9	483.6	496.9	499.4	502.0	499.4	496.9	483.6	466.9	442.4
42.5°	427.9	452.9	469.7	482.9	485.5	488.1	485.5	482.9	469.7	452.9	427.9
45°	404.0	429.8	447.9	461.7	463.0	464.3	463.0	461.7	447.9	429.8	404.0
47.5°	381.8	407.7	424.4	437.3	438.6	439.9	438.6	437.3	424.4	407.7	381.8
50°	365.0	391.4	408.2	421.1	422.4	423.7	422.4	421.1	408.2	391.4	365.0
52.5°	349.0	376.5	391.2	402.5	403.8	405.1	403.8	402.5	391.2	376.5	349.0
55°	320.5	349.5	363.7	374.3	374.3	374.3	374.3	374.3	363.7	349.5	320.5
57.5°	291.0	320.8	333.1	342.8	344.4	345.9	344.4	342.8	333.1	320.8	291.0
60°	270.8	301.1	311.5	319.8	322.4	325.0	322.4	319.8	311.5	301.1	270.8
62.5°	251.0	280.3	290.6	298.7	300.2	301.8	300.2	298.7	290.6	280.3	251.0
65°	220.2	246.0	256.3	264.4	265.7	267.0	265.7	264.4	256.3	246.0	220.2
67.5°	192.0	213.1	220.3	226.0	227.1	228.1	227.1	226.0	220.3	213.1	192.0
70°	173.1	191.2	196.4	200.2	200.2	200.2	200.2	200.2	196.4	191.2	173.1
72.5°	150.7	165.7	170.8	175.0	176.0	177.0	176.0	175.0	170.8	165.7	150.7
75°	118.7	129.6	133.5	136.7	138.0	139.3	138.0	136.7	133.5	129.6	118.7
77.5°	86.8	94.0	96.3	98.4	99.7	101.0	99.7	98.4	96.3	94.0	86.8
80°	65.1	70.3	71.6	72.9	74.2	75.4	74.2	72.9	71.6	70.3	65.1
82.5°	45.8	49.4	50.7	51.7	52.0	52.2	52.0	51.7	50.7	49.4	45.8
85°	21.9	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	21.9
87.5°	10.6	12.4	14.2	15.2	16.2	15.7	16.2	15.2	14.2	12.4	10.6
90°	29.6	38.6	47.6	52.7	57.9	55.3	57.9	52.7	47.6	38.6	29.6
92.5°	59.4	74.6	85.7	94.9	99.1	98.5	99.1	94.9	85.7	74.6	59.4
95°	119.6	137.6	155.7	168.5	176.2	173.7	176.2	168.5	155.7	137.6	119.6
97.5°	184.5	208.7	228.7	240.8	248.5	253.7	248.5	240.8	228.7	208.7	184.5
100°	227.7	250.9	274.0	288.2	301.0	306.2	301.0	288.2	274.0	250.9	227.7
102.5°	262.7	293.1	318.3	333.4	344.3	349.4	344.3	333.4	318.3	293.1	262.7
105°	320.3	352.5	379.5	398.8	410.4	414.2	410.4	398.8	379.5	352.5	320.3
107.5°	378.0	411.1	436.1	457.5	471.6	479.8	471.6	457.5	436.1	411.1	378.0
110°	423.2	450.3	477.3	496.6	510.7	515.9	510.7	496.6	477.3	450.3	423.2



TEST NUMBER: P1435814

CATALOG NUMBER: SQ2W-FA-K-100U-050D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	461.3	491.4	518.4	537.7	553.9	561.1	553.9	537.7	518.4	491.4	461.3
115°	514.6	554.5	578.9	596.9	608.5	614.9	608.5	596.9	578.9	554.5	514.6
117.5°	558.8	600.5	627.3	641.2	646.6	651.2	646.6	641.2	627.3	600.5	558.8
120°	586.6	625.2	656.1	674.1	680.5	683.1	680.5	674.1	656.1	625.2	586.6
122.5°	612.3	648.9	678.7	700.9	711.4	714.0	711.4	700.9	678.7	648.9	612.3
125°	648.4	683.1	714.0	735.8	747.4	753.9	747.4	735.8	714.0	683.1	648.4
127.5°	679.8	717.3	745.6	765.4	776.8	781.9	776.8	765.4	745.6	717.3	679.8
130°	697.3	735.8	764.1	786.0	796.3	801.5	796.3	786.0	764.1	735.8	697.3
132.5°	710.6	751.3	780.6	800.4	811.7	816.9	811.7	800.4	780.6	751.3	710.6
135°	726.8	769.3	800.2	819.5	829.8	834.9	829.8	819.5	800.2	769.3	726.8
137.5°	741.0	779.6	811.7	832.1	841.3	844.7	841.3	832.1	811.7	779.6	741.0
140°	751.3	784.7	816.9	836.2	846.5	847.8	846.5	836.2	816.9	784.7	751.3
142.5°	764.7	790.9	819.0	838.2	848.5	850.9	848.5	838.2	819.0	790.9	764.7
145°	788.6	804.0	823.3	841.3	850.3	852.9	850.3	841.3	823.3	804.0	788.6
147.5°	818.7	823.6	833.6	845.5	854.2	856.0	854.2	845.5	833.6	823.6	818.7
150°	841.3	840.1	843.9	851.6	859.3	858.1	859.3	851.6	843.9	840.1	841.3
152.5°	867.1	859.6	859.3	862.9	866.6	866.3	866.6	862.9	859.3	859.6	867.1
155°	910.8	896.7	888.9	886.4	886.4	885.1	886.4	886.4	888.9	896.7	910.8
157.5°	958.9	939.1	927.5	921.4	919.6	916.7	919.6	921.4	927.5	939.1	958.9
160°	991.9	970.0	958.4	948.1	944.3	940.4	944.3	948.1	958.4	970.0	991.9
162.5°	1022.7	1001.9	989.3	980.0	976.2	970.2	976.2	980.0	989.3	1001.9	1022.7
165°	1072.9	1051.0	1036.9	1029.2	1024.0	1018.9	1024.0	1029.2	1036.9	1051.0	1072.9
167.5°	1123.1	1099.1	1089.9	1081.1	1076.2	1067.0	1076.2	1081.1	1089.9	1099.1	1123.1
170°	1153.9	1132.1	1126.9	1119.2	1110.2	1099.9	1110.2	1119.2	1126.9	1132.1	1153.9
172.5°	1180.7	1166.0	1160.9	1153.2	1150.3	1142.1	1150.3	1153.2	1160.9	1166.0	1180.7
175°	1219.6	1208.0	1208.0	1206.7	1202.8	1195.1	1202.8	1206.7	1208.0	1208.0	1219.6
177.5°	1252.0	1245.8	1249.9	1249.9	1248.9	1241.7	1248.9	1249.9	1249.9	1245.8	1252.0
180°	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6



TEST NUMBER: P1435814

CATALOG NUMBER: SQ2W-FA-K-100U-050D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	748.7	748.7	748.7	748.7
2.5°	740.2	744.0	744.0	744.0
5°	712.9	729.3	733.2	737.1
7.5°	658.9	695.5	712.8	730.1
10°	621.0	655.8	690.6	725.5
12.5°	588.5	620.0	669.2	718.5
15°	562.0	588.4	643.9	699.3
17.5°	542.5	559.5	617.5	675.6
20°	537.8	545.5	603.6	661.6
22.5°	529.3	529.0	586.0	643.1
25°	514.6	505.9	556.2	606.5
27.5°	496.8	482.4	522.1	561.8
30°	483.6	466.9	500.4	533.9
32.5°	468.2	450.6	474.9	499.1
35°	446.9	426.3	436.6	446.9
37.5°	426.4	401.4	398.0	394.7
40°	410.1	383.0	371.4	359.8
42.5°	394.7	366.5	353.9	341.3
45°	370.5	343.4	335.6	327.9
47.5°	346.7	318.9	313.3	307.6
50°	328.9	299.9	292.1	284.4
52.5°	308.8	277.4	272.8	268.1
55°	276.6	244.7	248.6	252.5
57.5°	243.8	209.2	212.5	215.9
60°	220.5	184.4	190.9	197.3
62.5°	202.7	167.7	172.0	176.4
65°	178.9	147.4	144.8	142.2
67.5°	156.9	128.5	119.9	111.4
70°	142.2	116.1	104.5	92.9
72.5°	125.9	104.5	92.9	81.3
75°	100.6	84.2	72.5	60.9
77.5°	74.7	63.2	53.7	44.1
80°	56.1	47.7	41.3	34.8
82.5°	39.9	34.0	28.6	23.2
85°	19.3	16.8	14.2	11.6
87.5°	9.3	7.2	5.2	3.1
90°	23.2	14.2	9.0	3.9
92.5°	49.9	34.7	24.4	14.2
95°	100.3	79.8	56.6	39.9
97.5°	159.8	126.6	103.7	76.2
100°	191.7	159.5	137.6	108.1
102.5°	226.7	199.7	169.6	140.0
105°	289.5	256.0	221.3	187.8
107.5°	347.6	310.8	269.1	239.0
110°	384.6	344.8	301.0	274.0



TEST NUMBER: P1435814

CATALOG NUMBER: SQ2W-FA-K-100U-050D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	420.7	379.8	335.0	308.0
115°	469.6	424.5	383.4	360.2
117.5°	516.6	470.3	426.8	408.6
120°	545.5	499.1	456.7	442.5
122.5°	569.1	523.8	484.5	478.6
125°	604.6	558.3	524.9	532.6
127.5°	633.4	591.0	569.9	587.1
130°	650.9	613.6	600.8	625.2
132.5°	666.4	637.3	631.6	665.4
135°	689.5	672.8	678.0	724.3
137.5°	717.1	710.6	727.9	786.3
140°	734.6	738.4	762.9	828.5
142.5°	758.2	767.2	798.9	868.6
145°	795.0	814.3	855.5	925.0
147.5°	836.7	861.7	912.6	983.9
150°	864.5	896.7	950.7	1018.9
152.5°	896.4	929.6	983.6	1052.8
155°	945.5	982.8	1039.4	1098.6
157.5°	995.7	1033.8	1087.8	1139.5
160°	1026.6	1067.8	1116.6	1164.2
162.5°	1061.6	1099.7	1142.4	1184.8
165°	1112.8	1143.7	1178.4	1214.4
167.5°	1155.7	1181.5	1208.7	1236.8
170°	1183.5	1204.1	1227.3	1249.1
172.5°	1207.2	1223.7	1240.7	1259.4
175°	1238.8	1247.9	1258.1	1269.7
177.5°	1263.3	1266.4	1269.5	1274.6
180°	1273.6	1273.6	1273.6	1273.6



TEST NUMBER: P1435814
 CATALOG NUMBER: SQ2W-FA-K-100U-050D-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	13.26	13.99	14.35	15.08	16.57	14.46	15.19	15.55	16.28	17.77
	3H	14.34	14.99	15.44	16.09	17.60	15.69	16.35	16.79	17.44	18.95
	4H	14.69	15.31	15.79	16.40	17.92	16.08	16.70	17.18	17.79	19.31
	6H	14.84	15.41	15.96	16.51	18.04	16.23	16.80	17.35	17.90	19.42
	8H	14.87	15.41	15.99	16.53	18.05	16.25	16.79	17.37	17.91	19.43
	12H	14.86	15.38	15.99	16.49	18.03	16.23	16.75	17.36	17.85	19.40
4H	2H	14.11	14.73	15.23	15.83	17.34	15.03	15.65	16.14	16.74	18.26
	3H	15.49	16.00	16.61	17.13	18.65	16.48	16.99	17.60	18.12	19.64
	4H	15.94	16.41	17.06	17.52	19.07	16.95	17.42	18.07	18.53	20.08
	6H	16.16	16.57	17.29	17.70	19.24	17.16	17.57	18.29	18.70	20.24
	8H	16.21	16.59	17.35	17.72	19.28	17.21	17.59	18.34	18.71	20.27
	12H	16.21	16.55	17.36	17.69	19.25	17.19	17.53	18.34	18.67	20.23
8H	4H	16.31	16.69	17.44	17.82	19.37	17.13	17.51	18.26	18.64	20.19
	6H	16.66	16.97	17.81	18.14	19.69	17.44	17.75	18.59	18.92	20.47
	8H	16.77	17.05	17.93	18.19	19.77	17.54	17.81	18.69	18.96	20.53
	12H	16.80	17.04	17.97	18.19	19.80	17.54	17.78	18.71	18.93	20.54
12H	4H	16.31	16.65	17.46	17.79	19.35	17.10	17.44	18.24	18.58	20.14
	6H	16.72	17.00	17.88	18.15	19.72	17.46	17.73	18.62	18.88	20.45
	8H	16.86	17.10	18.03	18.25	19.86	17.57	17.81	18.73	18.95	20.56