

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: P1435815

Luminaire Tested: SQ2W-FA-K-100U-050D-L935-UNV-STD-W-WM-4

Issue Date: 3/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1435815
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-L935-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: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

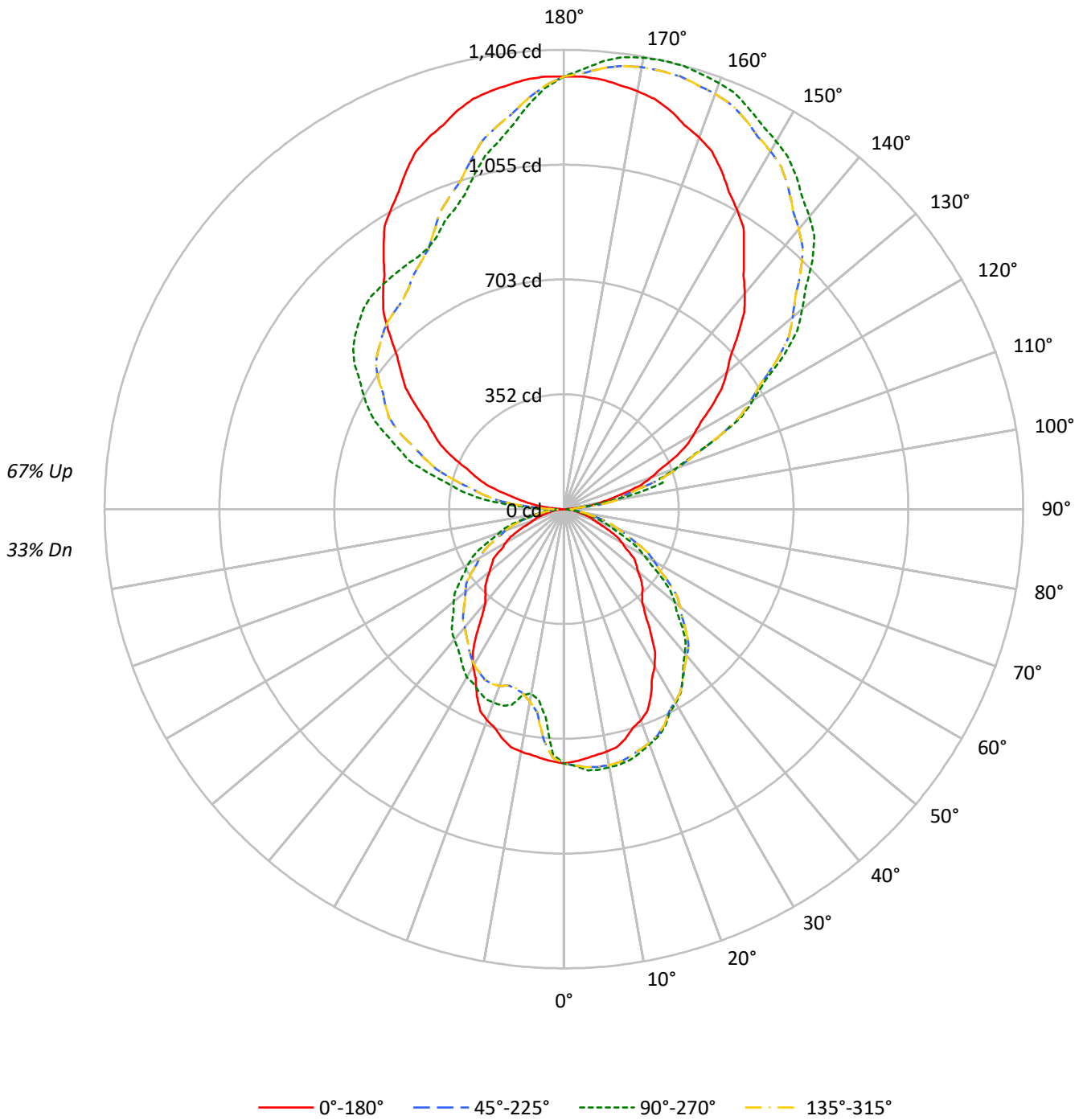
Lumens per Lamp: N/A
Luminaire Lumens: 5804.9 lumens
Efficiency: N/A
Efficacy: 114.0 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.23 / 1.34
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Indirect

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: P1435815

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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	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°	12568	12568	12568	12568
5°	12420	13008	12420	10366
10°	12366	13158	12366	9399
15°	12154	13263	12154	10388
20°	11819	13166	11819	10835
25°	11234	13062	11234	10965
30°	10351	12769	10351	11082
35°	9157	12488	9157	10882
40°	7885	12146	7885	11002
45°	7784	11711	7784	11022
50°	7427	11140	7427	11064
55°	7389	10277	7389	10956
60°	6626	9158	6626	10911
65°	5646	8069	5646	10605
70°	4555	6835	4555	9828
75°	3955	5646	3955	9033
80°	3366	4212	3366	7290
85°	2242	2242	2242	4465

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 12079 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.0	1.2
10°-20°	195.7	3.4
20°-30°	297.2	5.1
30°-40°	348.9	6.0
40°-50°	354.1	6.1
50°-60°	310.2	5.3
60°-70°	220.0	3.8
70°-80°	113.3	2.0
80°-90°	29.2	0.5
90°-100°	105.4	1.8
100°-110°	307.3	5.3
110°-120°	501.5	8.6
120°-130°	636.4	11.0
130°-140°	681.0	11.7
140°-150°	635.9	11.0
150°-160°	523.2	9.0
160°-170°	350.9	6.0
170°-180°	124.6	2.1
0°-30°	562.9	9.7
0°-40°	911.9	15.7
0°-60°	1576.1	27.2
0°-90°	1938.6	33.4
90°-120°	914.2	15.7
90°-150°	2867.5	49.4
90°-180°	3866.0	66.6
0°-180°	5804.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	778	778	778	778	778	
5°	766	803	766	640	766	73
15°	727	794	727	622	727	204
25°	631	733	631	616	631	288
35°	465	634	465	552	465	289
45°	341	513	341	483	341	261
55°	262	365	262	389	262	227
65°	148	211	148	278	148	148
75°	63	90	63	145	63	69
85°	12	12	12	24	12	15
90°	4	29	4	58	4	4
95°	42	31	42	181	42	50
105°	195	313	195	431	195	208
115°	374	519	374	639	374	369
125°	554	823	554	784	554	495
135°	753	1077	753	868	753	582
145°	962	1241	962	887	962	602
155°	1142	1348	1142	920	1142	525
165°	1263	1406	1263	1059	1263	355
175°	1320	1376	1320	1243	1320	125
180°	1324	1324	1324	1324	1324	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	778.4	778.4	778.4	778.4	778.4	778.4	778.4	778.4	778.4	778.4	778.4
2.5°	773.6	779.0	784.3	785.7	785.7	785.7	785.7	785.7	785.7	785.7	785.7
5°	766.3	775.7	785.1	789.5	792.2	794.2	795.5	797.2	799.9	802.6	799.9
7.5°	759.1	771.7	784.3	790.5	794.5	797.7	800.1	802.3	803.6	805.0	803.6
10°	754.3	769.0	783.8	790.5	794.5	797.2	798.5	799.9	801.2	802.6	801.2
12.5°	747.0	762.9	778.7	786.5	791.6	794.8	796.1	797.5	798.8	800.1	798.8
15°	727.1	748.6	770.0	778.4	782.4	785.8	788.5	790.8	792.2	793.5	792.2
17.5°	702.4	728.4	754.4	764.9	770.3	774.2	776.6	778.7	779.8	780.8	779.8
20°	687.9	716.1	744.2	755.3	760.7	764.0	765.3	766.3	766.3	766.3	766.3
22.5°	668.6	700.0	731.4	743.2	748.6	751.4	751.7	752.1	753.2	754.3	753.2
25°	630.6	666.8	703.0	718.1	726.1	729.5	728.1	727.8	730.5	733.2	730.5
27.5°	584.1	629.7	675.3	690.7	696.1	699.4	700.8	701.8	701.8	701.8	701.8
30°	555.2	606.1	657.1	673.8	679.2	682.5	683.9	684.9	684.9	684.9	684.9
32.5°	518.9	579.6	640.2	658.5	662.8	665.1	665.4	665.6	665.6	665.6	665.6
35°	464.6	538.4	612.1	632.6	635.3	636.6	636.6	636.3	634.9	633.6	634.9
37.5°	410.3	494.0	577.7	601.6	605.6	606.7	604.8	603.1	601.7	600.4	601.7
40°	374.1	465.3	556.5	582.3	586.3	586.3	582.3	579.0	577.6	576.3	577.6
42.5°	354.8	444.9	535.0	560.6	564.6	564.1	559.0	554.8	553.5	552.1	553.5
45°	340.9	421.4	501.8	525.0	529.0	528.3	523.0	518.3	515.6	512.9	515.6
47.5°	319.8	390.6	461.4	484.1	490.9	490.2	482.1	475.4	472.7	470.1	472.7
50°	295.7	365.4	435.1	457.6	464.3	463.6	455.6	448.9	446.2	443.5	446.2
52.5°	278.8	344.2	409.7	430.2	435.9	434.1	425.0	417.5	414.8	412.1	414.8
55°	262.5	317.5	372.4	389.2	393.2	390.5	381.2	373.1	369.1	365.1	369.1
57.5°	224.5	276.8	329.1	345.4	349.7	346.4	335.7	326.5	322.0	317.4	322.0
60°	205.2	252.1	299.0	314.8	320.2	317.5	306.7	297.0	290.3	283.6	290.3
62.5°	183.4	225.0	266.6	282.6	290.1	288.5	277.8	268.1	261.3	254.6	261.3
65°	147.8	184.0	220.2	236.3	245.7	245.1	234.3	224.6	217.9	211.2	217.9
67.5°	115.9	147.0	178.1	193.9	204.6	204.1	192.3	182.1	176.7	171.4	176.7
70°	96.5	123.4	150.2	164.9	175.7	175.7	164.9	155.5	150.2	144.8	150.2
72.5°	84.5	104.9	125.2	139.2	151.0	151.0	139.2	129.3	125.0	120.7	125.0
75°	63.4	75.4	87.5	100.6	114.0	115.3	104.6	95.9	93.2	90.5	93.2
77.5°	45.9	51.5	57.1	67.4	79.2	80.5	71.4	64.3	63.2	62.2	63.2
80°	36.2	37.5	38.9	47.3	58.0	59.3	51.3	45.3	45.3	45.3	45.3
82.5°	24.1	25.5	26.8	32.8	40.3	41.1	35.2	30.5	29.4	28.4	29.4
85°	12.1	12.1	12.1	14.1	16.8	16.8	14.1	12.1	12.1	12.1	12.1
87.5°	3.2	4.3	5.6	7.5	9.4	9.6	8.6	8.0	8.3	8.3	8.3
90°	4.0	9.4	16.1	21.4	25.4	26.8	26.8	28.1	29.4	29.4	29.4
92.5°	14.7	23.3	23.5	23.5	28.6	31.0	33.2	33.4	34.8	34.8	34.8
95°	41.5	45.5	68.2	66.9	45.5	36.1	30.8	30.8	30.8	30.8	30.8
97.5°	79.2	85.1	88.8	119.0	125.7	121.4	99.0	83.2	74.4	70.4	74.4
100°	112.4	115.0	123.1	124.4	157.8	189.9	173.9	153.8	147.1	143.1	147.1
102.5°	145.5	147.1	159.4	165.1	172.8	191.0	246.6	240.5	235.9	235.1	235.9
105°	195.3	196.6	219.4	230.1	235.4	235.4	234.1	260.8	303.6	313.0	303.6
107.5°	248.5	254.7	281.4	310.0	316.2	317.8	310.8	306.8	305.2	306.3	305.2
110°	284.9	294.3	326.4	362.5	371.8	374.5	371.8	367.8	365.1	365.1	365.1



TEST NUMBER: P1435815

CATALOG NUMBER: SQ2W-FA-K-100U-050D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	320.2	333.9	370.2	411.7	427.5	435.5	429.6	426.7	424.0	426.1	424.0
115°	374.5	394.6	442.7	485.5	517.6	521.6	520.3	520.3	519.0	519.0	519.0
117.5°	424.8	456.9	510.9	560.7	597.9	608.6	613.9	612.3	610.7	613.4	610.7
120°	460.1	497.6	559.1	615.3	651.4	667.4	672.8	670.1	672.8	670.1	672.8
122.5°	497.6	543.6	604.0	662.4	704.9	723.1	729.5	730.0	730.6	729.0	730.6
125°	553.7	609.9	680.8	741.0	785.1	806.5	811.9	813.2	815.9	822.6	815.9
127.5°	610.5	674.1	752.0	810.0	855.2	881.2	889.5	892.4	898.0	901.0	898.0
130°	650.0	722.3	801.2	856.0	900.2	928.3	943.0	947.0	953.7	952.3	953.7
132.5°	691.8	767.2	847.2	904.2	945.1	975.3	987.9	999.4	1001.8	1003.7	1001.8
135°	753.0	834.6	914.9	971.1	1009.8	1039.3	1055.3	1066.0	1072.7	1076.7	1072.7
137.5°	817.5	903.6	980.7	1030.7	1069.8	1095.2	1113.4	1124.6	1131.6	1134.8	1131.6
140°	861.4	944.3	1019.2	1071.4	1106.1	1131.6	1147.6	1161.0	1169.0	1169.0	1169.0
142.5°	903.1	985.0	1057.7	1109.9	1140.4	1163.7	1180.8	1190.9	1200.0	1200.0	1200.0
145°	961.7	1043.3	1110.2	1162.3	1187.7	1209.1	1227.9	1235.9	1241.2	1241.2	1241.2
147.5°	1023.0	1095.2	1156.2	1206.2	1227.6	1252.7	1267.5	1273.9	1280.6	1277.6	1280.6
150°	1059.3	1126.2	1185.1	1231.9	1253.3	1277.4	1292.1	1297.4	1304.1	1300.1	1304.1
152.5°	1094.6	1158.3	1211.8	1255.4	1273.6	1297.7	1314.5	1319.9	1324.4	1321.5	1324.4
155°	1142.3	1198.4	1247.9	1288.1	1304.1	1326.8	1342.9	1349.6	1354.9	1348.2	1354.9
157.5°	1184.8	1233.2	1276.3	1313.2	1330.3	1349.9	1364.8	1373.1	1378.5	1375.5	1378.5
160°	1210.5	1254.6	1293.4	1328.2	1344.2	1361.6	1377.7	1387.0	1392.4	1388.4	1392.4
162.5°	1231.9	1271.7	1308.4	1340.0	1353.9	1369.1	1388.4	1396.7	1402.0	1396.9	1402.0
165°	1262.6	1294.7	1326.8	1353.6	1365.6	1377.7	1397.7	1407.1	1411.1	1405.8	1411.1
167.5°	1285.9	1310.5	1336.5	1359.5	1368.3	1380.1	1400.1	1407.9	1413.0	1406.3	1413.0
170°	1298.8	1320.2	1342.9	1361.6	1368.3	1379.0	1399.1	1405.8	1409.8	1403.1	1409.8
172.5°	1309.5	1325.5	1344.0	1360.6	1364.0	1372.6	1391.6	1398.3	1401.2	1395.6	1401.2
175°	1320.2	1329.5	1342.9	1353.6	1352.3	1357.6	1373.7	1379.0	1384.4	1376.3	1384.4
177.5°	1325.2	1329.5	1333.8	1340.2	1335.9	1335.9	1347.7	1350.9	1352.0	1347.7	1352.0
180°	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	778.4	778.4	778.4	778.4	778.4	778.4	778.4	778.4	778.4	778.4	778.4
2.5°	785.7	785.7	785.7	785.7	785.7	784.3	779.0	773.6	773.6	773.6	769.6
5°	797.2	795.5	794.2	792.2	789.5	785.1	775.7	766.3	762.3	758.3	741.2
7.5°	802.3	800.1	797.7	794.5	790.5	784.3	771.7	759.1	741.1	723.2	685.1
10°	799.9	798.5	797.2	794.5	790.5	783.8	769.0	754.3	718.1	681.9	645.7
12.5°	797.5	796.1	794.8	791.6	786.5	778.7	762.9	747.0	695.8	644.6	611.9
15°	790.8	788.5	785.8	782.4	778.4	770.0	748.6	727.1	669.5	611.8	584.3
17.5°	778.7	776.6	774.2	770.3	764.9	754.4	728.4	702.4	642.0	581.7	564.0
20°	766.3	765.3	764.0	760.7	755.3	744.2	716.1	687.9	627.6	567.2	559.2
22.5°	752.1	751.7	751.4	748.6	743.2	731.4	700.0	668.6	609.3	550.1	550.3
25°	727.8	728.1	729.5	726.1	718.1	703.0	666.8	630.6	578.3	526.0	535.0
27.5°	701.8	700.8	699.4	696.1	690.7	675.3	629.7	584.1	542.8	501.5	516.5
30°	684.9	683.9	682.5	679.2	673.8	657.1	606.1	555.2	520.3	485.4	502.9
32.5°	665.6	665.4	665.1	662.8	658.5	640.2	579.6	518.9	493.7	468.5	486.8
35°	636.3	636.6	636.6	635.3	632.6	612.1	538.4	464.6	453.9	443.2	464.6
37.5°	603.1	604.8	606.7	605.6	601.6	577.7	494.0	410.3	413.8	417.3	443.3
40°	579.0	582.3	586.3	586.3	582.3	556.5	465.3	374.1	386.2	398.3	426.4
42.5°	554.8	559.0	564.1	564.6	560.6	535.0	444.9	354.8	368.0	381.1	410.3
45°	518.3	523.0	528.3	529.0	525.0	501.8	421.4	340.9	349.0	357.0	385.2
47.5°	475.4	482.1	490.2	490.9	484.1	461.4	390.6	319.8	325.7	331.6	360.4
50°	448.9	455.6	463.6	464.3	457.6	435.1	365.4	295.7	303.7	311.8	341.9
52.5°	417.5	425.0	434.1	435.9	430.2	409.7	344.2	278.8	283.6	288.4	321.0
55°	373.1	381.2	390.5	393.2	389.2	372.4	317.5	262.5	258.5	254.4	287.6
57.5°	326.5	335.7	346.4	349.7	345.4	329.1	276.8	224.5	221.0	217.5	253.4
60°	297.0	306.7	317.5	320.2	314.8	299.0	252.1	205.2	198.5	191.8	229.3
62.5°	268.1	277.8	288.5	290.1	282.6	266.6	225.0	183.4	178.9	174.3	210.8
65°	224.6	234.3	245.1	245.7	236.3	220.2	184.0	147.8	150.5	153.2	186.1
67.5°	182.1	192.3	204.1	204.6	193.9	178.1	147.0	115.9	124.7	133.6	163.1
70°	155.5	164.9	175.7	175.7	164.9	150.2	123.4	96.5	108.6	120.7	147.8
72.5°	129.3	139.2	151.0	151.0	139.2	125.2	104.9	84.5	96.5	108.6	130.9
75°	95.9	104.6	115.3	114.0	100.6	87.5	75.4	63.4	75.4	87.5	104.6
77.5°	64.3	71.4	80.5	79.2	67.4	57.1	51.5	45.9	55.8	65.7	77.6
80°	45.3	51.3	59.3	58.0	47.3	38.9	37.5	36.2	42.9	49.6	58.3
82.5°	30.5	35.2	41.1	40.3	32.8	26.8	25.5	24.1	29.8	35.4	41.4
85°	12.1	14.1	16.8	16.8	14.1	12.1	12.1	12.1	14.8	17.4	20.1
87.5°	8.0	8.6	9.6	9.4	7.5	5.6	4.3	3.2	5.4	7.5	9.6
90°	28.1	26.8	26.8	25.4	21.4	16.1	9.4	4.0	9.4	14.7	24.1
92.5°	33.4	33.2	31.0	28.6	23.5	23.5	23.3	14.7	25.4	36.1	51.9
95°	30.8	30.8	36.1	45.5	66.9	68.2	45.5	41.5	58.9	82.9	104.3
97.5°	83.2	99.0	121.4	125.7	119.0	88.8	85.1	79.2	107.8	131.6	166.1
100°	153.8	173.9	189.9	157.8	124.4	123.1	115.0	112.4	143.1	165.9	199.3
102.5°	240.5	246.6	191.0	172.8	165.1	159.4	147.1	145.5	176.3	207.6	235.7
105°	260.8	234.1	235.4	235.4	230.1	219.4	196.6	195.3	230.1	266.2	300.9
107.5°	306.8	310.8	317.8	316.2	310.0	281.4	254.7	248.5	279.8	323.2	361.4
110°	367.8	371.8	374.5	371.8	362.5	326.4	294.3	284.9	313.0	358.5	399.9



TEST NUMBER: P1435815

CATALOG NUMBER: SQ2W-FA-K-100U-050D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	426.7	429.6	435.5	427.5	411.7	370.2	333.9	320.2	348.3	394.8	437.4
115°	520.3	520.3	521.6	517.6	485.5	442.7	394.6	374.5	398.6	441.4	488.2
117.5°	612.3	613.9	608.6	597.9	560.7	510.9	456.9	424.8	443.8	489.0	537.2
120°	670.1	672.8	667.4	651.4	615.3	559.1	497.6	460.1	474.8	519.0	567.1
122.5°	730.0	729.5	723.1	704.9	662.4	604.0	543.6	497.6	503.7	544.6	591.7
125°	813.2	811.9	806.5	785.1	741.0	680.8	609.9	553.7	545.7	580.5	628.6
127.5°	892.4	889.5	881.2	855.2	810.0	752.0	674.1	610.5	592.5	614.5	658.6
130°	947.0	943.0	928.3	900.2	856.0	801.2	722.3	650.0	624.6	638.0	676.8
132.5°	999.4	987.9	975.3	945.1	904.2	847.2	767.2	691.8	656.7	662.6	692.8
135°	1066.0	1055.3	1039.3	1009.8	971.1	914.9	834.6	753.0	704.9	699.5	716.9
137.5°	1124.6	1113.4	1095.2	1069.8	1030.7	980.7	903.6	817.5	756.8	738.9	745.5
140°	1161.0	1147.6	1131.6	1106.1	1071.4	1019.2	944.3	861.4	793.2	767.8	763.7
142.5°	1190.9	1180.8	1163.7	1140.4	1109.9	1057.7	985.0	903.1	830.6	797.7	788.3
145°	1235.9	1227.9	1209.1	1187.7	1162.3	1110.2	1043.3	961.7	889.5	846.7	826.6
147.5°	1273.9	1267.5	1252.7	1227.6	1206.2	1156.2	1095.2	1023.0	948.9	895.9	869.9
150°	1297.4	1292.1	1277.4	1253.3	1231.9	1185.1	1126.2	1059.3	988.4	932.3	898.8
152.5°	1319.9	1314.5	1297.7	1273.6	1255.4	1211.8	1158.3	1094.6	1022.7	966.5	932.0
155°	1349.6	1342.9	1326.8	1304.1	1288.1	1247.9	1198.4	1142.3	1080.7	1021.9	983.1
157.5°	1373.1	1364.8	1349.9	1330.3	1313.2	1276.3	1233.2	1184.8	1131.0	1074.9	1035.3
160°	1387.0	1377.7	1361.6	1344.2	1328.2	1293.4	1254.6	1210.5	1161.0	1110.2	1067.4
162.5°	1396.7	1388.4	1369.1	1353.9	1340.0	1308.4	1271.7	1231.9	1187.7	1143.3	1103.7
165°	1407.1	1397.7	1377.7	1365.6	1353.6	1326.8	1294.7	1262.6	1225.2	1189.1	1157.0
167.5°	1407.9	1400.1	1380.1	1368.3	1359.5	1336.5	1310.5	1285.9	1256.8	1228.4	1201.7
170°	1405.8	1399.1	1379.0	1368.3	1361.6	1342.9	1320.2	1298.8	1276.0	1251.9	1230.5
172.5°	1398.3	1391.6	1372.6	1364.0	1360.6	1344.0	1325.5	1309.5	1289.9	1272.3	1255.2
175°	1379.0	1373.7	1357.6	1352.3	1353.6	1342.9	1329.5	1320.2	1308.1	1297.4	1288.1
177.5°	1350.9	1347.7	1335.9	1335.9	1340.2	1333.8	1329.5	1325.2	1319.9	1316.7	1313.5
180°	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2



TEST NUMBER: P1435815

CATALOG NUMBER: SQ2W-FA-K-100U-050D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	778.4	778.4	778.4	778.4	778.4	778.4	778.4	778.4	778.4	778.4	778.4
2.5°	764.2	759.9	756.7	754.0	752.9	751.9	752.9	754.0	756.7	759.9	764.2
5°	719.8	697.0	672.8	653.0	646.3	639.6	646.3	653.0	672.8	697.0	719.8
7.5°	640.3	612.8	602.6	594.4	592.3	590.1	592.3	594.4	602.6	612.8	640.3
10°	609.5	587.3	579.3	573.3	573.3	573.3	573.3	573.3	579.3	587.3	609.5
12.5°	585.3	571.8	571.2	572.2	577.5	582.9	577.5	572.2	571.2	571.8	585.3
15°	566.9	568.9	590.4	608.1	614.8	621.5	614.8	608.1	590.4	568.9	566.9
17.5°	560.5	572.0	598.6	619.9	625.2	630.6	625.2	619.9	598.6	572.0	560.5
20°	568.6	583.3	603.4	619.9	625.2	630.6	625.2	619.9	603.4	583.3	568.6
22.5°	570.4	588.4	604.2	617.4	622.8	628.2	622.8	617.4	604.2	588.4	570.4
25°	564.5	586.0	599.4	610.1	612.8	615.5	612.8	610.1	599.4	586.0	564.5
27.5°	550.3	573.9	587.3	597.9	599.7	601.6	599.7	597.9	587.3	573.9	550.3
30°	537.7	561.9	575.3	586.3	590.4	594.4	590.4	586.3	575.3	561.9	537.7
32.5°	519.5	544.2	560.8	573.5	574.3	575.1	574.3	573.5	560.8	544.2	519.5
35°	496.8	522.3	541.1	554.8	553.5	552.1	553.5	554.8	541.1	522.3	496.8
37.5°	476.8	501.8	518.1	530.8	532.4	534.0	532.4	530.8	518.1	501.8	476.8
40°	459.9	485.4	502.9	516.6	519.3	522.0	519.3	516.6	502.9	485.4	459.9
42.5°	444.9	470.9	488.4	502.1	504.8	507.5	504.8	502.1	488.4	470.9	444.9
45°	420.1	446.9	465.6	480.1	481.4	482.7	481.4	480.1	465.6	446.9	420.1
47.5°	396.9	423.9	441.3	454.7	456.1	457.4	456.1	454.7	441.3	423.9	396.9
50°	379.5	407.0	424.4	437.8	439.2	440.5	439.2	437.8	424.4	407.0	379.5
52.5°	362.9	391.4	406.7	418.5	419.8	421.2	419.8	418.5	406.7	391.4	362.9
55°	333.2	363.4	378.1	389.2	389.2	389.2	389.2	389.2	378.1	363.4	333.2
57.5°	302.5	333.5	346.4	356.4	358.0	359.6	358.0	356.4	346.4	333.5	302.5
60°	281.6	313.1	323.8	332.6	335.2	337.9	335.2	332.6	323.8	313.1	281.6
62.5°	260.9	291.4	302.1	310.6	312.2	313.8	312.2	310.6	302.1	291.4	260.9
65°	229.0	255.8	266.5	274.9	276.2	277.6	276.2	274.9	266.5	255.8	229.0
67.5°	199.6	221.6	229.1	235.0	236.1	237.1	236.1	235.0	229.1	221.6	199.6
70°	180.0	198.8	204.2	208.2	208.2	208.2	208.2	208.2	204.2	198.8	180.0
72.5°	156.7	172.2	177.6	181.9	183.0	184.0	183.0	181.9	177.6	172.2	156.7
75°	123.4	134.8	138.8	142.1	143.5	144.8	143.5	142.1	138.8	134.8	123.4
77.5°	90.2	97.8	100.2	102.3	103.7	105.0	103.7	102.3	100.2	97.8	90.2
80°	67.7	73.1	74.4	75.8	77.1	78.4	77.1	75.8	74.4	73.1	67.7
82.5°	47.6	51.4	52.7	53.8	54.0	54.3	54.0	53.8	52.7	51.4	47.6
85°	22.8	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	22.8
87.5°	11.0	12.9	14.7	15.8	16.9	16.3	16.9	15.8	14.7	12.9	11.0
90°	30.8	40.1	49.5	54.8	60.2	57.5	60.2	54.8	49.5	40.1	30.8
92.5°	61.8	77.6	89.1	98.7	103.0	102.5	103.0	98.7	89.1	77.6	61.8
95°	124.4	143.1	161.8	175.2	183.2	180.6	183.2	175.2	161.8	143.1	124.4
97.5°	191.8	216.9	237.8	250.4	258.4	263.8	258.4	250.4	237.8	216.9	191.8
100°	236.7	260.8	284.9	299.6	313.0	318.3	313.0	299.6	284.9	260.8	236.7
102.5°	273.1	304.7	330.9	346.7	357.9	363.3	357.9	346.7	330.9	304.7	273.1
105°	333.0	366.5	394.6	414.6	426.7	430.7	426.7	414.6	394.6	366.5	333.0
107.5°	393.0	427.5	453.4	475.6	490.3	498.9	490.3	475.6	453.4	427.5	393.0
110°	440.1	468.1	496.2	516.3	531.0	536.4	531.0	516.3	496.2	468.1	440.1



TEST NUMBER: P1435815

CATALOG NUMBER: SQ2W-FA-K-100U-050D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	479.6	510.9	539.0	559.1	575.9	583.4	575.9	559.1	539.0	510.9	479.6
115°	535.0	576.5	601.9	620.6	632.7	639.3	632.7	620.6	601.9	576.5	535.0
117.5°	581.0	624.4	652.2	666.6	672.3	677.1	672.3	666.6	652.2	624.4	581.0
120°	609.9	650.0	682.1	700.9	707.6	710.2	707.6	700.9	682.1	650.0	609.9
122.5°	636.7	674.7	705.7	728.7	739.7	742.3	739.7	728.7	705.7	674.7	636.7
125°	674.1	710.2	742.3	765.1	777.1	783.8	777.1	765.1	742.3	710.2	674.1
127.5°	706.8	745.8	775.2	795.8	807.6	813.0	807.6	795.8	775.2	745.8	706.8
130°	724.9	765.1	794.5	817.2	827.9	833.3	827.9	817.2	794.5	765.1	724.9
132.5°	738.9	781.1	811.6	832.2	844.0	849.3	844.0	832.2	811.6	781.1	738.9
135°	755.7	799.9	832.0	852.0	862.7	868.1	862.7	852.0	832.0	799.9	755.7
137.5°	770.4	810.6	844.0	865.1	874.8	878.2	874.8	865.1	844.0	810.6	770.4
140°	781.1	815.9	849.3	869.4	880.1	881.4	880.1	869.4	849.3	815.9	781.1
142.5°	795.0	822.3	851.5	871.5	882.2	884.7	882.2	871.5	851.5	822.3	795.0
145°	819.9	836.0	856.0	874.8	884.1	886.8	884.1	874.8	856.0	836.0	819.9
147.5°	851.2	856.3	866.7	879.0	888.1	890.0	888.1	879.0	866.7	856.3	851.2
150°	874.8	873.4	877.4	885.5	893.5	892.1	893.5	885.5	877.4	873.4	874.8
152.5°	901.5	893.7	893.5	897.2	901.0	900.7	901.0	897.2	893.5	893.7	901.5
155°	947.0	932.3	924.2	921.6	921.6	920.2	921.6	921.6	924.2	932.3	947.0
157.5°	997.0	976.4	964.4	957.9	956.1	953.1	956.1	957.9	964.4	976.4	997.0
160°	1031.2	1008.5	996.5	985.8	981.8	977.7	981.8	985.8	996.5	1008.5	1031.2
162.5°	1063.3	1041.7	1028.6	1018.9	1014.9	1008.8	1014.9	1018.9	1028.6	1041.7	1063.3
165°	1115.5	1092.8	1078.1	1070.0	1064.7	1059.3	1064.7	1070.0	1078.1	1092.8	1115.5
167.5°	1167.7	1142.8	1133.2	1124.1	1119.0	1109.4	1119.0	1124.1	1133.2	1142.8	1167.7
170°	1199.8	1177.0	1171.7	1163.7	1154.3	1143.6	1154.3	1163.7	1171.7	1177.0	1199.8
172.5°	1227.6	1212.4	1207.0	1199.0	1196.0	1187.5	1196.0	1199.0	1207.0	1212.4	1227.6
175°	1268.0	1256.0	1256.0	1254.6	1250.6	1242.6	1250.6	1254.6	1256.0	1256.0	1268.0
177.5°	1301.7	1295.3	1299.6	1299.6	1298.5	1291.0	1298.5	1299.6	1299.6	1295.3	1301.7
180°	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2



TEST NUMBER: P1435815

CATALOG NUMBER: SQ2W-FA-K-100U-050D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	778.4	778.4	778.4	778.4
2.5°	769.6	773.6	773.6	773.6
5°	741.2	758.3	762.3	766.3
7.5°	685.1	723.2	741.1	759.1
10°	645.7	681.9	718.1	754.3
12.5°	611.9	644.6	695.8	747.0
15°	584.3	611.8	669.5	727.1
17.5°	564.0	581.7	642.0	702.4
20°	559.2	567.2	627.6	687.9
22.5°	550.3	550.1	609.3	668.6
25°	535.0	526.0	578.3	630.6
27.5°	516.5	501.5	542.8	584.1
30°	502.9	485.4	520.3	555.2
32.5°	486.8	468.5	493.7	518.9
35°	464.6	443.2	453.9	464.6
37.5°	443.3	417.3	413.8	410.3
40°	426.4	398.3	386.2	374.1
42.5°	410.3	381.1	368.0	354.8
45°	385.2	357.0	349.0	340.9
47.5°	360.4	331.6	325.7	319.8
50°	341.9	311.8	303.7	295.7
52.5°	321.0	288.4	283.6	278.8
55°	287.6	254.4	258.5	262.5
57.5°	253.4	217.5	221.0	224.5
60°	229.3	191.8	198.5	205.2
62.5°	210.8	174.3	178.9	183.4
65°	186.1	153.2	150.5	147.8
67.5°	163.1	133.6	124.7	115.9
70°	147.8	120.7	108.6	96.5
72.5°	130.9	108.6	96.5	84.5
75°	104.6	87.5	75.4	63.4
77.5°	77.6	65.7	55.8	45.9
80°	58.3	49.6	42.9	36.2
82.5°	41.4	35.4	29.8	24.1
85°	20.1	17.4	14.8	12.1
87.5°	9.6	7.5	5.4	3.2
90°	24.1	14.7	9.4	4.0
92.5°	51.9	36.1	25.4	14.7
95°	104.3	82.9	58.9	41.5
97.5°	166.1	131.6	107.8	79.2
100°	199.3	165.9	143.1	112.4
102.5°	235.7	207.6	176.3	145.5
105°	300.9	266.2	230.1	195.3
107.5°	361.4	323.2	279.8	248.5
110°	399.9	358.5	313.0	284.9



TEST NUMBER: P1435815

CATALOG NUMBER: SQ2W-FA-K-100U-050D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	437.4	394.8	348.3	320.2
115°	488.2	441.4	398.6	374.5
117.5°	537.2	489.0	443.8	424.8
120°	567.1	519.0	474.8	460.1
122.5°	591.7	544.6	503.7	497.6
125°	628.6	580.5	545.7	553.7
127.5°	658.6	614.5	592.5	610.5
130°	676.8	638.0	624.6	650.0
132.5°	692.8	662.6	656.7	691.8
135°	716.9	699.5	704.9	753.0
137.5°	745.5	738.9	756.8	817.5
140°	763.7	767.8	793.2	861.4
142.5°	788.3	797.7	830.6	903.1
145°	826.6	846.7	889.5	961.7
147.5°	869.9	895.9	948.9	1023.0
150°	898.8	932.3	988.4	1059.3
152.5°	932.0	966.5	1022.7	1094.6
155°	983.1	1021.9	1080.7	1142.3
157.5°	1035.3	1074.9	1131.0	1184.8
160°	1067.4	1110.2	1161.0	1210.5
162.5°	1103.7	1143.3	1187.7	1231.9
165°	1157.0	1189.1	1225.2	1262.6
167.5°	1201.7	1228.4	1256.8	1285.9
170°	1230.5	1251.9	1276.0	1298.8
172.5°	1255.2	1272.3	1289.9	1309.5
175°	1288.1	1297.4	1308.1	1320.2
177.5°	1313.5	1316.7	1319.9	1325.2
180°	1324.2	1324.2	1324.2	1324.2



TEST NUMBER: P1435815
 CATALOG NUMBER: SQ2W-FA-K-100U-050D-L935-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	13.40	14.13	14.49	15.21	16.70	14.60	15.33	15.68	16.41	17.90
	3H	14.48	15.13	15.57	16.22	17.73	15.83	16.48	16.93	17.58	19.08
	4H	14.82	15.44	15.93	16.54	18.05	16.21	16.83	17.32	17.93	19.44
	6H	14.98	15.55	16.09	16.65	18.17	16.37	16.94	17.48	18.04	19.56
	8H	15.01	15.55	16.13	16.66	18.18	16.39	16.93	17.51	18.04	19.56
	12H	15.00	15.51	16.12	16.62	18.16	16.37	16.88	17.49	17.99	19.53
4H	2H	14.25	14.87	15.36	15.96	17.48	15.16	15.78	16.28	16.88	18.39
	3H	15.62	16.14	16.75	17.26	18.79	16.61	17.13	17.73	18.25	19.78
	4H	16.07	16.55	17.20	17.66	19.21	17.08	17.56	18.21	18.67	20.22
	6H	16.30	16.70	17.43	17.84	19.38	17.30	17.70	18.43	18.84	20.38
	8H	16.35	16.73	17.48	17.86	19.41	17.34	17.72	18.48	18.85	20.40
	12H	16.35	16.69	17.49	17.83	19.39	17.33	17.67	18.47	18.81	20.37
8H	4H	16.45	16.83	17.58	17.95	19.51	17.27	17.65	18.40	18.77	20.33
	6H	16.79	17.10	17.94	18.27	19.82	17.58	17.89	18.73	19.06	20.61
	8H	16.91	17.18	18.07	18.33	19.90	17.67	17.94	18.83	19.09	20.67
	12H	16.94	17.18	18.10	18.32	19.93	17.68	17.92	18.84	19.07	20.67
12H	4H	16.44	16.79	17.59	17.93	19.49	17.23	17.57	18.38	18.71	20.27
	6H	16.86	17.13	18.02	18.28	19.85	17.59	17.87	18.75	19.02	20.59
	8H	17.00	17.24	18.16	18.39	19.99	17.70	17.94	18.86	19.09	20.69