

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: P1435983

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

Issue Date: 3/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1435983
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-12)
Test Lab: INNOVATION CENTER
Issue Date: 3/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-FB-K-100U-050D-L935-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - FROSTED CONTINUOUS BATWING 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

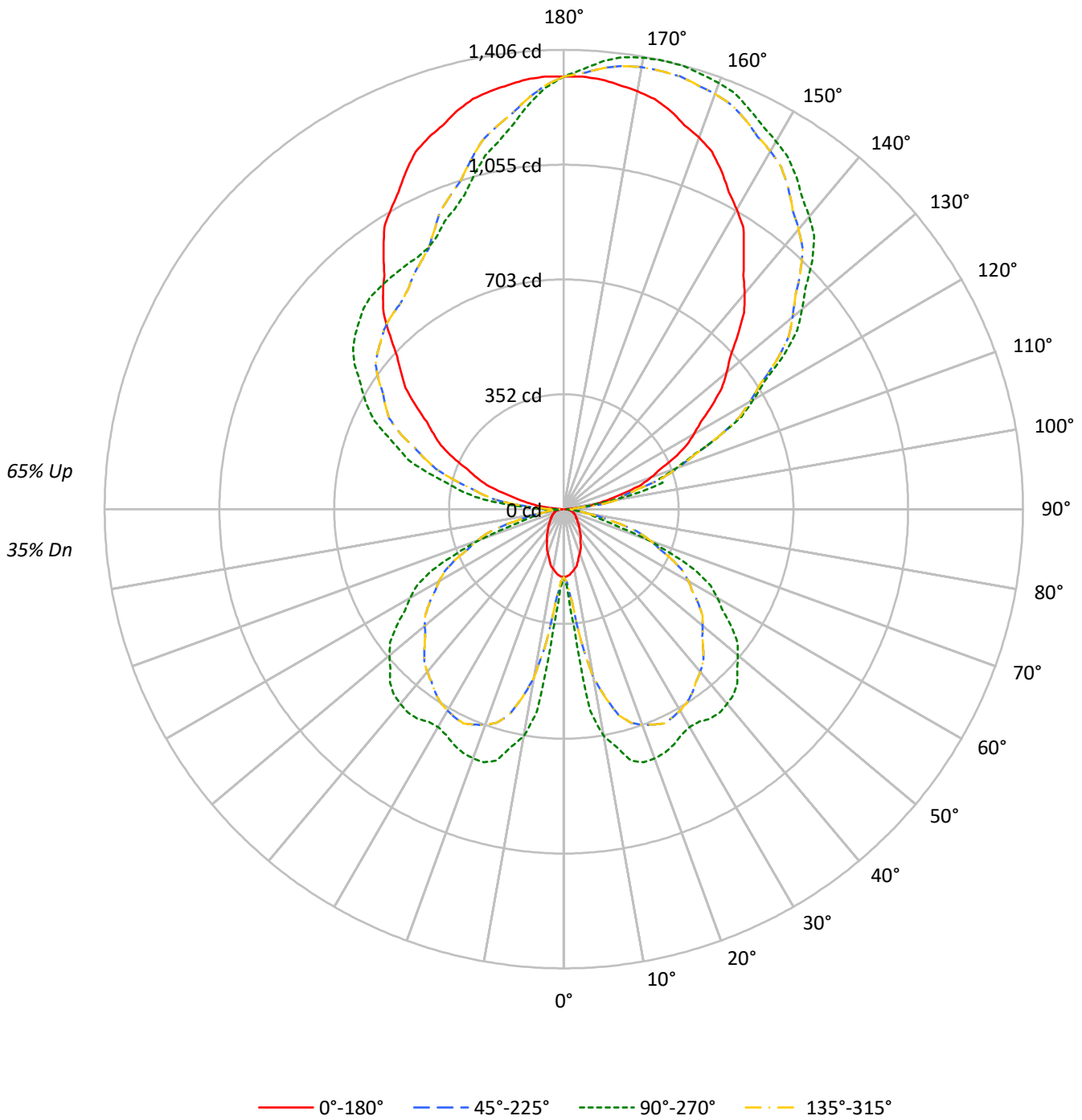
Lumens per Lamp: N/A
Luminaire Lumens: 5926.1 lumens
Efficiency: N/A
Efficacy: 116.4 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 2.98 / 2.52
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Indirect

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

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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	104	104	104	104	94	94	94	94	75	75	75	58	58	58	42	42	42	35
1	94	90	86	83	85	81	78	75	65	63	61	51	49	48	37	36	35	29
2	86	78	72	67	77	71	66	61	57	53	50	44	42	39	32	31	29	24
3	78	68	61	55	70	62	56	51	50	45	42	39	36	33	28	26	24	20
4	71	60	52	46	64	55	48	43	44	39	35	34	31	28	25	23	21	17
5	65	53	45	39	58	48	41	36	39	34	30	30	27	24	22	20	18	14
6	59	47	39	34	53	43	36	31	35	30	26	27	23	20	20	17	15	12
7	55	43	35	29	49	39	32	27	31	26	22	24	21	18	18	15	13	11
8	51	38	31	25	46	35	28	23	28	23	20	22	18	16	16	14	12	9
9	47	35	27	22	42	32	25	21	26	21	17	20	17	14	15	12	11	8
10	44	32	25	20	39	29	23	18	24	19	15	19	15	12	14	11	9	7

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	3358	3358	3358	3358
5°	3274	5948	3274	5948
10°	3066	11575	3066	11575
15°	2775	13322	2775	13322
20°	2457	13952	2457	13952
25°	2173	14180	2173	14180
30°	1920	14355	1920	14355
35°	1715	15433	1715	15433
40°	1560	16398	1560	16398
45°	1438	17171	1438	17171
50°	1356	17482	1356	17482
55°	1323	17621	1323	17621
60°	1356	17534	1356	17534
65°	1414	17039	1414	17039
70°	1463	12887	1463	12887
75°	1622	7112	1622	7112
80°	1674	6601	1674	6601
85°	1667	2779	1667	2779

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 52.5°
 Luminance: 17780 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.8	0.6
10°-20°	159.0	2.7
20°-30°	279.8	4.7
30°-40°	362.2	6.1
40°-50°	399.5	6.7
50°-60°	372.8	6.3
60°-70°	288.0	4.9
70°-80°	132.8	2.2
80°-90°	30.9	0.5
90°-100°	105.4	1.8
100°-110°	307.3	5.2
110°-120°	501.5	8.5
120°-130°	636.4	10.7
130°-140°	681.0	11.5
140°-150°	635.9	10.7
150°-160°	523.2	8.8
160°-170°	350.9	5.9
170°-180°	124.6	2.1
0°-30°	473.7	8.0
0°-40°	835.9	14.1
0°-60°	1608.1	27.1
0°-90°	2059.8	34.8
90°-120°	914.2	15.4
90°-150°	2867.5	48.4
90°-180°	3866.0	65.2
0°-180°	5926.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	208	208	208	208	208	
5°	202	367	202	367	202	19
15°	166	797	166	797	166	46
25°	122	796	122	796	122	56
35°	87	783	87	783	87	55
45°	63	752	63	752	63	49
55°	47	626	47	626	47	42
65°	37	446	37	446	37	36
75°	26	114	26	114	26	27
85°	9	15	9	15	9	9
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°	208.0	208.0	208.0	208.0	208.0	208.0	208.0	208.0	208.0	208.0	208.0
2.5°	206.4	210.3	214.2	218.4	222.7	227.3	232.3	236.5	238.7	240.8	238.7
5°	202.0	215.3	228.7	248.0	269.3	293.6	320.7	343.9	355.4	367.0	355.4
7.5°	194.2	221.3	248.4	305.9	373.4	443.6	516.3	576.6	599.7	622.8	599.7
10°	187.0	224.8	262.6	360.0	477.3	567.6	630.7	681.1	693.6	706.0	693.6
12.5°	179.0	230.3	281.6	401.9	545.2	638.9	683.2	719.6	732.4	745.2	732.4
15°	166.0	239.3	312.7	448.7	605.6	702.0	738.0	768.6	782.8	797.0	782.8
17.5°	152.6	250.2	347.8	486.5	639.0	733.0	768.7	797.3	805.1	812.8	805.1
20°	143.0	257.7	372.3	511.3	658.4	747.3	778.0	802.2	807.1	812.0	807.1
22.5°	134.2	262.4	390.6	529.7	672.6	755.6	778.8	797.5	802.8	808.0	802.8
25°	122.0	266.4	410.9	549.7	686.6	762.3	777.0	788.9	792.5	796.0	792.5
27.5°	110.2	262.8	415.4	552.5	684.3	755.0	764.6	772.7	776.1	779.6	776.1
30°	103.0	258.1	413.2	549.0	678.3	746.6	753.7	760.2	765.1	770.0	765.1
32.5°	96.6	252.4	408.2	542.3	669.2	736.0	742.7	750.5	761.0	771.6	761.0
35°	87.0	240.3	393.7	526.3	652.1	720.3	731.0	743.9	763.5	783.0	763.5
37.5°	78.8	224.8	370.9	502.2	628.6	703.0	725.3	746.7	765.6	784.4	765.6
40°	74.0	214.0	354.0	484.3	611.4	689.9	719.7	746.0	762.0	778.0	762.0
42.5°	69.2	201.7	334.3	463.5	591.7	673.2	707.9	738.0	754.0	770.0	754.0
45°	63.0	182.1	301.2	429.3	560.4	646.4	687.3	721.8	736.9	752.0	736.9
47.5°	57.2	160.7	264.1	392.8	529.9	620.1	663.5	698.8	709.8	720.8	709.8
50°	54.0	146.4	238.9	368.0	509.3	601.3	644.0	678.2	687.1	696.0	687.1
52.5°	50.8	132.6	214.4	343.7	489.0	581.7	621.9	654.0	662.2	670.4	662.2
55°	47.0	113.7	180.3	308.3	456.8	548.6	583.7	611.8	618.9	626.0	618.9
57.5°	43.6	97.4	151.2	275.1	422.5	511.2	541.1	565.0	570.8	576.6	570.8
60°	42.0	88.7	135.3	254.3	397.4	482.6	509.7	531.4	537.2	543.0	537.2
62.5°	39.6	80.2	120.8	233.5	370.2	451.1	476.1	496.2	501.6	507.0	501.6
65°	37.0	69.9	102.8	204.3	328.8	401.4	422.3	438.9	442.4	446.0	442.4
67.5°	33.4	61.3	89.2	177.6	286.1	346.9	359.9	367.9	361.3	354.6	361.3
70°	31.0	56.8	82.6	161.3	257.8	308.2	312.7	311.2	292.1	273.0	292.1
72.5°	29.4	52.3	75.3	143.5	226.8	263.5	253.7	237.4	201.2	165.0	201.2
75°	26.0	44.7	63.3	114.7	176.9	186.7	144.0	112.2	113.1	114.0	113.1
77.5°	21.2	35.2	49.1	80.7	118.1	125.5	102.9	86.2	87.0	87.8	87.0
80°	18.0	29.1	40.2	52.7	65.6	71.6	70.7	70.1	70.6	71.0	70.6
82.5°	14.8	23.1	31.3	38.8	46.0	50.0	50.9	51.4	50.8	50.2	50.8
85°	9.0	13.9	18.8	21.7	23.9	23.2	19.7	16.8	15.9	15.0	15.9
87.5°	4.0	6.9	10.0	10.4	9.8	9.4	9.4	9.6	9.9	9.9	9.9
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



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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°	208.0	208.0	208.0	208.0	208.0	208.0	208.0	208.0	208.0	208.0	208.0
2.5°	236.5	232.3	227.3	222.7	218.4	214.2	210.3	206.4	210.3	214.2	218.4
5°	343.9	320.7	293.6	269.3	248.0	228.7	215.3	202.0	215.3	228.7	248.0
7.5°	576.6	516.3	443.6	373.4	305.9	248.4	221.3	194.2	221.3	248.4	305.9
10°	681.1	630.7	567.6	477.3	360.0	262.6	224.8	187.0	224.8	262.6	360.0
12.5°	719.6	683.2	638.9	545.2	401.9	281.6	230.3	179.0	230.3	281.6	401.9
15°	768.6	738.0	702.0	605.6	448.7	312.7	239.3	166.0	239.3	312.7	448.7
17.5°	797.3	768.7	733.0	639.0	486.5	347.8	250.2	152.6	250.2	347.8	486.5
20°	802.2	778.0	747.3	658.4	511.3	372.3	257.7	143.0	257.7	372.3	511.3
22.5°	797.5	778.8	755.6	672.6	529.7	390.6	262.4	134.2	262.4	390.6	529.7
25°	788.9	777.0	762.3	686.6	549.7	410.9	266.4	122.0	266.4	410.9	549.7
27.5°	772.7	764.6	755.0	684.3	552.5	415.4	262.8	110.2	262.8	415.4	552.5
30°	760.2	753.7	746.6	678.3	549.0	413.2	258.1	103.0	258.1	413.2	549.0
32.5°	750.5	742.7	736.0	669.2	542.3	408.2	252.4	96.6	252.4	408.2	542.3
35°	743.9	731.0	720.3	652.1	526.3	393.7	240.3	87.0	240.3	393.7	526.3
37.5°	746.7	725.3	703.0	628.6	502.2	370.9	224.8	78.8	224.8	370.9	502.2
40°	746.0	719.7	689.9	611.4	484.3	354.0	214.0	74.0	214.0	354.0	484.3
42.5°	738.0	707.9	673.2	591.7	463.5	334.3	201.7	69.2	201.7	334.3	463.5
45°	721.8	687.3	646.4	560.4	429.3	301.2	182.1	63.0	182.1	301.2	429.3
47.5°	698.8	663.5	620.1	529.9	392.8	264.1	160.7	57.2	160.7	264.1	392.8
50°	678.2	644.0	601.3	509.3	368.0	238.9	146.4	54.0	146.4	238.9	368.0
52.5°	654.0	621.9	581.7	489.0	343.7	214.4	132.6	50.8	132.6	214.4	343.7
55°	611.8	583.7	548.6	456.8	308.3	180.3	113.7	47.0	113.7	180.3	308.3
57.5°	565.0	541.1	511.2	422.5	275.1	151.2	97.4	43.6	97.4	151.2	275.1
60°	531.4	509.7	482.6	397.4	254.3	135.3	88.7	42.0	88.7	135.3	254.3
62.5°	496.2	476.1	451.1	370.2	233.5	120.8	80.2	39.6	80.2	120.8	233.5
65°	438.9	422.3	401.4	328.8	204.3	102.8	69.9	37.0	69.9	102.8	204.3
67.5°	367.9	359.9	346.9	286.1	177.6	89.2	61.3	33.4	61.3	89.2	177.6
70°	311.2	312.7	308.2	257.8	161.3	82.6	56.8	31.0	56.8	82.6	161.3
72.5°	237.4	253.7	263.5	226.8	143.5	75.3	52.3	29.4	52.3	75.3	143.5
75°	112.2	144.0	186.7	176.9	114.7	63.3	44.7	26.0	44.7	63.3	114.7
77.5°	86.2	102.9	125.5	118.1	80.7	49.1	35.2	21.2	35.2	49.1	80.7
80°	70.1	70.7	71.6	65.6	52.7	40.2	29.1	18.0	29.1	40.2	52.7
82.5°	51.4	50.9	50.0	46.0	38.8	31.3	23.1	14.8	23.1	31.3	38.8
85°	16.8	19.7	23.2	23.9	21.7	18.8	13.9	9.0	13.9	18.8	21.7
87.5°	9.6	9.4	9.4	9.8	10.4	10.0	6.9	4.0	6.9	9.7	10.9
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: P1435983

CATALOG NUMBER: SQ2W-FB-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: P1435983

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	208.0	208.0	208.0	208.0	208.0	208.0	208.0	208.0	208.0	208.0	208.0
2.5°	222.7	227.3	232.3	236.5	238.7	240.8	238.7	236.5	232.3	227.3	222.7
5°	269.3	293.6	320.7	343.9	355.4	367.0	355.4	343.9	320.7	293.6	269.3
7.5°	373.4	443.6	516.3	576.6	599.7	622.8	599.7	576.6	516.3	443.6	373.4
10°	477.3	567.6	630.7	681.1	693.6	706.0	693.6	681.1	630.7	567.6	477.3
12.5°	545.2	638.9	683.2	719.6	732.4	745.2	732.4	719.6	683.2	638.9	545.2
15°	605.6	702.0	738.0	768.6	782.8	797.0	782.8	768.6	738.0	702.0	605.6
17.5°	639.0	733.0	768.7	797.3	805.1	812.8	805.1	797.3	768.7	733.0	639.0
20°	658.4	747.3	778.0	802.2	807.1	812.0	807.1	802.2	778.0	747.3	658.4
22.5°	672.6	755.6	778.8	797.5	802.8	808.0	802.8	797.5	778.8	755.6	672.6
25°	686.6	762.3	777.0	788.9	792.5	796.0	792.5	788.9	777.0	762.3	686.6
27.5°	684.3	755.0	764.6	772.7	776.1	779.6	776.1	772.7	764.6	755.0	684.3
30°	678.3	746.6	753.7	760.2	765.1	770.0	765.1	760.2	753.7	746.6	678.3
32.5°	669.2	736.0	742.7	750.5	761.0	771.6	761.0	750.5	742.7	736.0	669.2
35°	652.1	720.3	731.0	743.9	763.5	783.0	763.5	743.9	731.0	720.3	652.1
37.5°	628.6	703.0	725.3	746.7	765.6	784.4	765.6	746.7	725.3	703.0	628.6
40°	611.4	689.9	719.7	746.0	762.0	778.0	762.0	746.0	719.7	689.9	611.4
42.5°	591.7	673.2	707.9	738.0	754.0	770.0	754.0	738.0	707.9	673.2	591.7
45°	560.4	646.4	687.3	721.8	736.9	752.0	736.9	721.8	687.3	646.4	560.4
47.5°	529.9	620.1	663.5	698.8	709.8	720.8	709.8	698.8	663.5	620.1	529.9
50°	509.3	601.3	644.0	678.2	687.1	696.0	687.1	678.2	644.0	601.3	509.3
52.5°	489.0	581.7	621.9	654.0	662.2	670.4	662.2	654.0	621.9	581.7	489.0
55°	456.8	548.6	583.7	611.8	618.9	626.0	618.9	611.8	583.7	548.6	456.8
57.5°	422.5	511.2	541.1	565.0	570.8	576.6	570.8	565.0	541.1	511.2	422.5
60°	397.4	482.6	509.7	531.4	537.2	543.0	537.2	531.4	509.7	482.6	397.4
62.5°	370.2	451.1	476.1	496.2	501.6	507.0	501.6	496.2	476.1	451.1	370.2
65°	328.8	401.4	422.3	438.9	442.4	446.0	442.4	438.9	422.3	401.4	328.8
67.5°	286.1	346.9	359.9	367.9	361.3	354.6	361.3	367.9	359.9	346.9	286.1
70°	257.8	308.2	312.7	311.2	292.1	273.0	292.1	311.2	312.7	308.2	257.8
72.5°	226.8	263.5	253.7	237.4	201.2	165.0	201.2	237.4	253.7	263.5	226.8
75°	176.9	186.7	144.0	112.2	113.1	114.0	113.1	112.2	144.0	186.7	176.9
77.5°	118.1	125.5	102.9	86.2	87.0	87.8	87.0	86.2	102.9	125.5	118.1
80°	65.6	71.6	70.7	70.1	70.6	71.0	70.6	70.1	70.7	71.6	65.6
82.5°	46.0	50.0	50.9	51.4	50.8	50.2	50.8	51.4	50.9	50.0	46.0
85°	23.9	23.2	19.7	16.8	15.9	15.0	15.9	16.8	19.7	23.2	23.9
87.5°	10.9	12.0	13.9	15.0	16.0	15.5	16.0	15.0	13.9	12.0	10.9
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: P1435983

CATALOG NUMBER: SQ2W-FB-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: P1435983

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	208.0	208.0	208.0	208.0
2.5°	218.4	214.2	210.3	206.4
5°	248.0	228.7	215.3	202.0
7.5°	305.9	248.4	221.3	194.2
10°	360.0	262.6	224.8	187.0
12.5°	401.9	281.6	230.3	179.0
15°	448.7	312.7	239.3	166.0
17.5°	486.5	347.8	250.2	152.6
20°	511.3	372.3	257.7	143.0
22.5°	529.7	390.6	262.4	134.2
25°	549.7	410.9	266.4	122.0
27.5°	552.5	415.4	262.8	110.2
30°	549.0	413.2	258.1	103.0
32.5°	542.3	408.2	252.4	96.6
35°	526.3	393.7	240.3	87.0
37.5°	502.2	370.9	224.8	78.8
40°	484.3	354.0	214.0	74.0
42.5°	463.5	334.3	201.7	69.2
45°	429.3	301.2	182.1	63.0
47.5°	392.8	264.1	160.7	57.2
50°	368.0	238.9	146.4	54.0
52.5°	343.7	214.4	132.6	50.8
55°	308.3	180.3	113.7	47.0
57.5°	275.1	151.2	97.4	43.6
60°	254.3	135.3	88.7	42.0
62.5°	233.5	120.8	80.2	39.6
65°	204.3	102.8	69.9	37.0
67.5°	177.6	89.2	61.3	33.4
70°	161.3	82.6	56.8	31.0
72.5°	143.5	75.3	52.3	29.4
75°	114.7	63.3	44.7	26.0
77.5°	80.7	49.1	35.2	21.2
80°	52.7	40.2	29.1	18.0
82.5°	38.8	31.3	23.1	14.8
85°	21.7	18.8	13.9	9.0
87.5°	10.9	9.7	6.9	4.0
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: P1435983

CATALOG NUMBER: SQ2W-FB-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: P1435983
 CATALOG NUMBER: SQ2W-FB-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	8.79	9.55	9.86	10.63	12.10	18.39	19.14	19.46	20.22	21.69
	3H	9.72	10.40	10.80	11.49	12.97	19.98	20.66	21.07	21.75	23.24
	4H	10.11	10.76	11.21	11.84	13.34	20.16	20.80	21.25	21.89	23.38
	6H	10.36	10.95	11.47	12.05	13.55	20.22	20.82	21.33	21.91	23.42
	8H	10.45	11.02	11.56	12.12	13.62	20.24	20.80	21.35	21.91	23.41
	12H	10.50	11.03	11.61	12.13	13.66	20.21	20.75	21.33	21.85	23.37
4H	2H	13.50	14.14	14.60	15.23	16.72	18.74	19.38	19.84	20.47	21.96
	3H	14.61	15.15	15.72	16.26	17.77	20.62	21.15	21.72	22.27	23.77
	4H	14.89	15.38	16.00	16.49	18.02	20.83	21.32	21.94	22.43	23.96
	6H	15.02	15.44	16.14	16.57	18.09	20.96	21.38	22.08	22.51	24.03
	8H	15.06	15.45	16.18	16.57	18.11	21.00	21.39	22.12	22.51	24.05
	12H	15.05	15.41	16.19	16.54	18.08	20.98	21.33	22.11	22.46	24.01
8H	4H	16.07	16.47	17.19	17.59	19.13	20.91	21.31	22.03	22.43	23.96
	6H	16.33	16.65	17.47	17.81	19.35	21.11	21.43	22.25	22.59	24.13
	8H	16.42	16.71	17.57	17.85	19.40	21.20	21.48	22.34	22.62	24.18
	12H	16.46	16.71	17.61	17.85	19.44	21.19	21.44	22.35	22.58	24.17
12H	4H	16.09	16.45	17.23	17.58	19.12	20.86	21.22	22.00	22.35	23.89
	6H	16.43	16.72	17.58	17.86	19.41	21.09	21.37	22.24	22.51	24.07
	8H	16.57	16.81	17.72	17.95	19.54	21.18	21.43	22.33	22.57	24.16