

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: P1435989

Luminaire Tested: SQ2W-FB-K-100U-075D-L935-UNV-STD-W-WM-4

Issue Date: 3/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1435989
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-075D-L935-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - FROSTED CONTINUOUS BATWING ROLL LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 750 LUMENS PER FOOT
UPLIGHT 1000 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

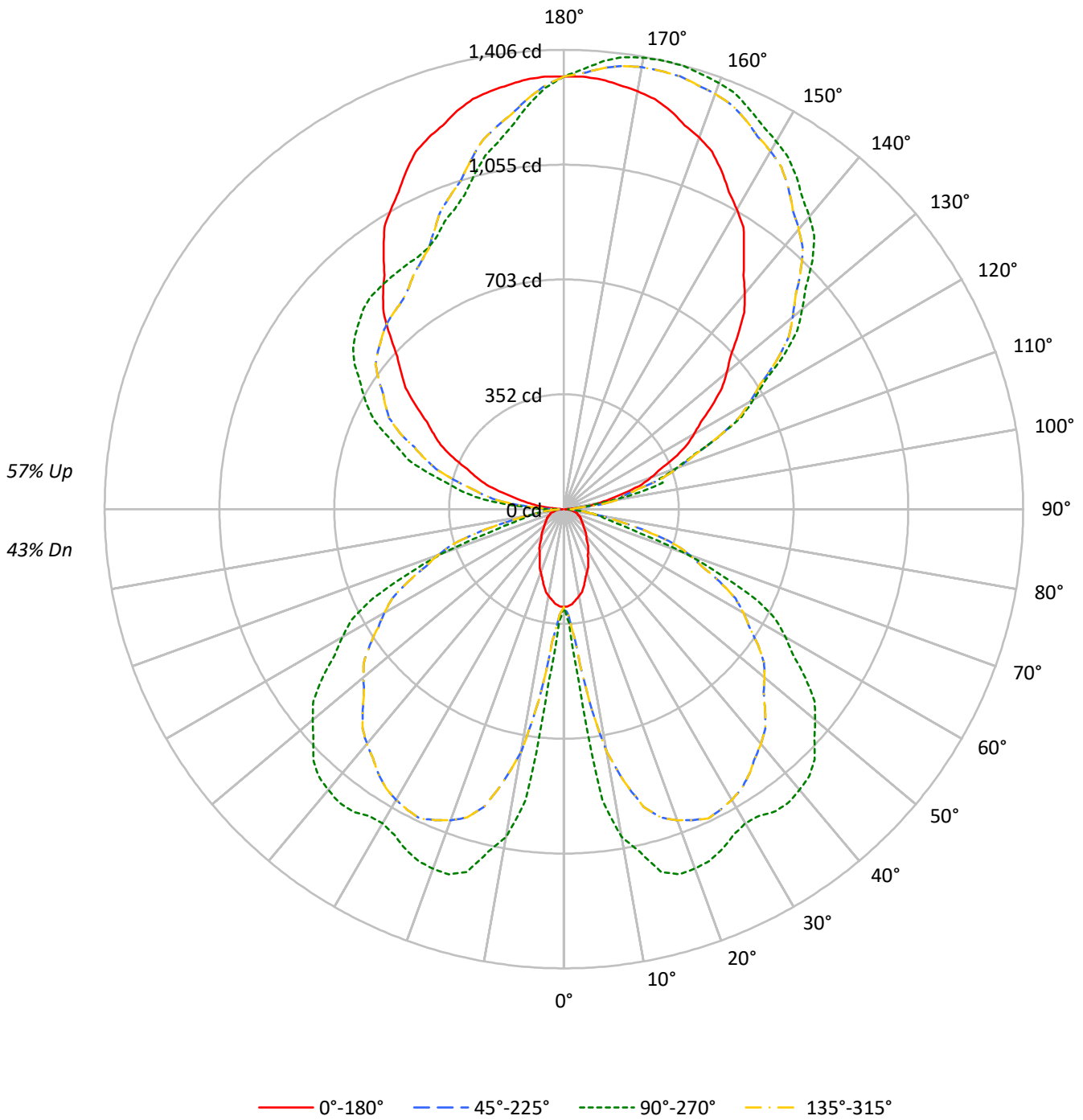
Lumens per Lamp: N/A
Luminaire Lumens: 6835.3 lumens
Efficiency: N/A
Efficacy: 114.3 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 2.98 / 2.52
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 59.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20	
RC	80					70					50					30					10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	106	106	106	106	97	97	97	97	80	80	80	64	64	64	50	50	50	43				43
1	96	92	88	84	88	84	81	78	70	67	65	56	55	53	44	43	42				36	
2	87	80	74	68	79	73	68	63	61	57	53	49	46	44	38	36	35				30	
3	79	70	62	56	72	64	57	52	53	48	44	43	39	37	34	31	29				25	
4	72	61	53	47	66	56	49	44	47	41	37	38	34	31	30	27	25				21	
5	66	54	46	40	60	50	43	37	41	36	32	34	30	26	26	23	21				18	
6	61	48	40	34	55	45	37	32	37	31	27	30	26	23	24	21	18				15	
7	56	43	35	30	51	40	33	28	33	28	24	27	23	20	21	18	16				13	
8	52	39	31	26	47	36	29	24	30	25	21	25	21	17	20	16	14				12	
9	48	36	28	23	44	33	26	21	28	22	18	23	18	15	18	15	13				10	
10	45	32	25	20	41	30	23	19	25	20	16	21	17	14	16	13	11				9	

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	4845	4845	4845	4845
5°	4723	8580	4723	8580
10°	4423	16698	4423	16698
15°	4003	19217	4003	19217
20°	3545	20127	3545	20127
25°	3135	20457	3135	20457
30°	2770	20709	2770	20709
35°	2474	22263	2474	22263
40°	2251	23654	2251	23654
45°	2076	24770	2076	24770
50°	1957	25218	1957	25218
55°	1908	25421	1908	25421
60°	1957	25294	1957	25294
65°	2040	24580	2040	24580
70°	2110	18590	2110	18590
75°	2339	10262	2339	10262
80°	2417	9521	2417	9521
85°	2408	4001	2408	4001

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 52.5°
 Luminance: 25649 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.3	0.7
10°-20°	229.4	3.4
20°-30°	403.6	5.9
30°-40°	522.5	7.6
40°-50°	576.2	8.4
50°-60°	537.8	7.9
60°-70°	415.5	6.1
70°-80°	191.5	2.8
80°-90°	42.1	0.6
90°-100°	105.4	1.5
100°-110°	307.3	4.5
110°-120°	501.5	7.3
120°-130°	636.4	9.3
130°-140°	681.0	10.0
140°-150°	635.9	9.3
150°-160°	523.2	7.7
160°-170°	350.9	5.1
170°-180°	124.6	1.8
0°-30°	683.3	10.0
0°-40°	1205.8	17.6
0°-60°	2319.8	33.9
0°-90°	2969.0	43.4
90°-120°	914.2	13.4
90°-150°	2867.5	42.0
90°-180°	3866.0	56.6
0°-180°	6835.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	300	300	300	300	300	
5°	291	529	291	529	291	27
15°	240	1150	240	1150	240	67
25°	176	1148	176	1148	176	81
35°	126	1130	126	1130	126	79
45°	91	1085	91	1085	91	70
55°	68	903	68	903	68	61
65°	53	643	53	643	53	52
75°	38	164	38	164	38	38
85°	13	22	13	22	13	14
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°	300.1	300.1	300.1	300.1	300.1	300.1	300.1	300.1	300.1	300.1	300.1
2.5°	297.7	303.4	309.0	315.1	321.2	327.9	335.1	341.2	344.3	347.4	344.3
5°	291.4	310.6	329.9	357.8	388.5	423.5	462.6	496.1	512.8	529.4	512.8
7.5°	280.1	319.3	358.4	441.2	538.7	639.9	744.8	831.8	865.1	898.4	865.1
10°	269.8	324.3	378.8	519.3	688.6	818.7	909.8	982.6	1000.5	1018.5	1000.5
12.5°	258.2	332.2	406.2	579.7	786.4	921.7	985.6	1038.1	1056.5	1075.0	1056.5
15°	239.5	345.3	451.0	647.2	873.6	1012.7	1064.6	1108.7	1129.2	1149.7	1129.2
17.5°	220.1	360.9	501.7	701.9	921.8	1057.4	1108.9	1150.2	1161.4	1172.5	1161.4
20°	206.3	371.7	537.1	737.6	949.9	1078.1	1122.3	1157.3	1164.3	1171.4	1164.3
22.5°	193.6	378.5	563.4	764.2	970.2	1090.0	1123.5	1150.5	1158.0	1165.6	1158.0
25°	176.0	384.4	592.7	792.9	990.4	1099.7	1120.9	1138.0	1143.2	1148.3	1143.2
27.5°	159.0	379.1	599.3	797.0	987.1	1089.1	1103.0	1114.6	1119.6	1124.6	1119.6
30°	148.6	372.3	596.1	792.0	978.5	1077.0	1087.2	1096.7	1103.7	1110.8	1103.7
32.5°	139.4	364.1	588.9	782.4	965.3	1061.7	1071.5	1082.6	1097.8	1113.1	1097.8
35°	125.5	346.7	567.9	759.3	940.7	1039.1	1054.5	1073.1	1101.3	1129.5	1101.3
37.5°	113.7	324.4	535.0	724.5	906.8	1014.1	1046.3	1077.2	1104.4	1131.6	1104.4
40°	106.8	308.7	510.7	698.7	882.1	995.2	1038.2	1076.2	1099.2	1122.3	1099.2
42.5°	99.8	291.0	482.2	668.7	853.6	971.1	1021.2	1064.6	1087.7	1110.8	1087.7
45°	90.9	262.7	434.5	619.3	808.5	932.5	991.5	1041.2	1063.0	1084.8	1063.0
47.5°	82.5	231.8	381.0	566.6	764.4	894.5	957.1	1008.0	1023.9	1039.8	1023.9
50°	77.9	211.3	344.6	530.9	734.8	867.5	929.0	978.4	991.2	1004.0	991.2
52.5°	73.3	191.3	309.2	495.9	705.4	839.1	897.1	943.5	955.3	967.1	955.3
55°	67.8	164.0	260.1	444.8	658.9	791.3	842.0	882.5	892.8	903.1	892.8
57.5°	62.9	140.5	218.1	396.9	609.5	737.4	780.6	815.1	823.5	831.8	823.5
60°	60.6	127.9	195.2	366.9	573.3	696.1	735.2	766.7	775.0	783.3	775.0
62.5°	57.1	115.7	174.3	336.9	534.1	650.7	686.8	715.7	723.6	731.4	723.6
65°	53.4	100.8	148.3	294.8	474.3	579.1	609.2	633.1	638.3	643.4	638.3
67.5°	48.2	88.4	128.7	256.2	412.8	500.4	519.1	530.8	521.2	511.5	521.2
70°	44.7	81.9	119.1	232.7	371.9	444.6	451.0	449.0	421.4	393.8	421.4
72.5°	42.4	75.5	108.6	207.0	327.1	380.1	366.0	342.4	290.2	238.0	290.2
75°	37.5	64.4	91.4	165.4	255.2	269.3	207.7	161.9	163.2	164.5	163.2
77.5°	30.6	50.7	70.8	116.4	170.4	181.1	148.5	124.4	125.5	126.7	125.5
80°	26.0	42.0	58.0	76.0	94.6	103.2	101.9	101.1	101.8	102.4	101.8
82.5°	21.4	33.3	45.2	56.0	66.4	72.2	73.5	74.2	73.3	72.4	73.3
85°	13.0	20.0	27.1	31.3	34.5	33.5	28.4	24.2	22.9	21.6	22.9
87.5°	5.4	9.1	13.0	13.1	11.9	11.1	11.1	11.4	11.7	11.7	11.7
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°	300.1	300.1	300.1	300.1	300.1	300.1	300.1	300.1	300.1	300.1	300.1
2.5°	341.2	335.1	327.9	321.2	315.1	309.0	303.4	297.7	303.4	309.0	315.1
5°	496.1	462.6	423.5	388.5	357.8	329.9	310.6	291.4	310.6	329.9	357.8
7.5°	831.8	744.8	639.9	538.7	441.2	358.4	319.3	280.1	319.3	358.4	441.2
10°	982.6	909.8	818.7	688.6	519.3	378.8	324.3	269.8	324.3	378.8	519.3
12.5°	1038.1	985.6	921.7	786.4	579.7	406.2	332.2	258.2	332.2	406.2	579.7
15°	1108.7	1064.6	1012.7	873.6	647.2	451.0	345.3	239.5	345.3	451.0	647.2
17.5°	1150.2	1108.9	1057.4	921.8	701.9	501.7	360.9	220.1	360.9	501.7	701.9
20°	1157.3	1122.3	1078.1	949.9	737.6	537.1	371.7	206.3	371.7	537.1	737.6
22.5°	1150.5	1123.5	1090.0	970.2	764.2	563.4	378.5	193.6	378.5	563.4	764.2
25°	1138.0	1120.9	1099.7	990.4	792.9	592.7	384.4	176.0	384.4	592.7	792.9
27.5°	1114.6	1103.0	1089.1	987.1	797.0	599.3	379.1	159.0	379.1	599.3	797.0
30°	1096.7	1087.2	1077.0	978.5	792.0	596.1	372.3	148.6	372.3	596.1	792.0
32.5°	1082.6	1071.5	1061.7	965.3	782.4	588.9	364.1	139.4	364.1	588.9	782.4
35°	1073.1	1054.5	1039.1	940.7	759.3	567.9	346.7	125.5	346.7	567.9	759.3
37.5°	1077.2	1046.3	1014.1	906.8	724.5	535.0	324.4	113.7	324.4	535.0	724.5
40°	1076.2	1038.2	995.2	882.1	698.7	510.7	308.7	106.8	308.7	510.7	698.7
42.5°	1064.6	1021.2	971.1	853.6	668.7	482.2	291.0	99.8	291.0	482.2	668.7
45°	1041.2	991.5	932.5	808.5	619.3	434.5	262.7	90.9	262.7	434.5	619.3
47.5°	1008.0	957.1	894.5	764.4	566.6	381.0	231.8	82.5	231.8	381.0	566.6
50°	978.4	929.0	867.5	734.8	530.9	344.6	211.3	77.9	211.3	344.6	530.9
52.5°	943.5	897.1	839.1	705.4	495.9	309.2	191.3	73.3	191.3	309.2	495.9
55°	882.5	842.0	791.3	658.9	444.8	260.1	164.0	67.8	164.0	260.1	444.8
57.5°	815.1	780.6	737.4	609.5	396.9	218.1	140.5	62.9	140.5	218.1	396.9
60°	766.7	735.2	696.1	573.3	366.9	195.2	127.9	60.6	127.9	195.2	366.9
62.5°	715.7	686.8	650.7	534.1	336.9	174.3	115.7	57.1	115.7	174.3	336.9
65°	633.1	609.2	579.1	474.3	294.8	148.3	100.8	53.4	100.8	148.3	294.8
67.5°	530.8	519.1	500.4	412.8	256.2	128.7	88.4	48.2	88.4	128.7	256.2
70°	449.0	451.0	444.6	371.9	232.7	119.1	81.9	44.7	81.9	119.1	232.7
72.5°	342.4	366.0	380.1	327.1	207.0	108.6	75.5	42.4	75.5	108.6	207.0
75°	161.9	207.7	269.3	255.2	165.4	91.4	64.4	37.5	64.4	91.4	165.4
77.5°	124.4	148.5	181.1	170.4	116.4	70.8	50.7	30.6	50.7	70.8	116.4
80°	101.1	101.9	103.2	94.6	76.0	58.0	42.0	26.0	42.0	58.0	76.0
82.5°	74.2	73.5	72.2	66.4	56.0	45.2	33.3	21.4	33.3	45.2	56.0
85°	24.2	28.4	33.5	34.5	31.3	27.1	20.0	13.0	20.0	27.1	31.3
87.5°	11.4	11.1	11.1	11.9	13.1	13.0	9.1	5.4	9.1	12.7	13.7
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: P1435989

CATALOG NUMBER: SQ2W-FB-K-100U-075D-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: P1435989

CATALOG NUMBER: SQ2W-FB-K-100U-075D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	300.1	300.1	300.1	300.1	300.1	300.1	300.1	300.1	300.1	300.1	300.1
2.5°	321.2	327.9	335.1	341.2	344.3	347.4	344.3	341.2	335.1	327.9	321.2
5°	388.5	423.5	462.6	496.1	512.8	529.4	512.8	496.1	462.6	423.5	388.5
7.5°	538.7	639.9	744.8	831.8	865.1	898.4	865.1	831.8	744.8	639.9	538.7
10°	688.6	818.7	909.8	982.6	1000.5	1018.5	1000.5	982.6	909.8	818.7	688.6
12.5°	786.4	921.7	985.6	1038.1	1056.5	1075.0	1056.5	1038.1	985.6	921.7	786.4
15°	873.6	1012.7	1064.6	1108.7	1129.2	1149.7	1129.2	1108.7	1064.6	1012.7	873.6
17.5°	921.8	1057.4	1108.9	1150.2	1161.4	1172.5	1161.4	1150.2	1108.9	1057.4	921.8
20°	949.9	1078.1	1122.3	1157.3	1164.3	1171.4	1164.3	1157.3	1122.3	1078.1	949.9
22.5°	970.2	1090.0	1123.5	1150.5	1158.0	1165.6	1158.0	1150.5	1123.5	1090.0	970.2
25°	990.4	1099.7	1120.9	1138.0	1143.2	1148.3	1143.2	1138.0	1120.9	1099.7	990.4
27.5°	987.1	1089.1	1103.0	1114.6	1119.6	1124.6	1119.6	1114.6	1103.0	1089.1	987.1
30°	978.5	1077.0	1087.2	1096.7	1103.7	1110.8	1103.7	1096.7	1087.2	1077.0	978.5
32.5°	965.3	1061.7	1071.5	1082.6	1097.8	1113.1	1097.8	1082.6	1071.5	1061.7	965.3
35°	940.7	1039.1	1054.5	1073.1	1101.3	1129.5	1101.3	1073.1	1054.5	1039.1	940.7
37.5°	906.8	1014.1	1046.3	1077.2	1104.4	1131.6	1104.4	1077.2	1046.3	1014.1	906.8
40°	882.1	995.2	1038.2	1076.2	1099.2	1122.3	1099.2	1076.2	1038.2	995.2	882.1
42.5°	853.6	971.1	1021.2	1064.6	1087.7	1110.8	1087.7	1064.6	1021.2	971.1	853.6
45°	808.5	932.5	991.5	1041.2	1063.0	1084.8	1063.0	1041.2	991.5	932.5	808.5
47.5°	764.4	894.5	957.1	1008.0	1023.9	1039.8	1023.9	1008.0	957.1	894.5	764.4
50°	734.8	867.5	929.0	978.4	991.2	1004.0	991.2	978.4	929.0	867.5	734.8
52.5°	705.4	839.1	897.1	943.5	955.3	967.1	955.3	943.5	897.1	839.1	705.4
55°	658.9	791.3	842.0	882.5	892.8	903.1	892.8	882.5	842.0	791.3	658.9
57.5°	609.5	737.4	780.6	815.1	823.5	831.8	823.5	815.1	780.6	737.4	609.5
60°	573.3	696.1	735.2	766.7	775.0	783.3	775.0	766.7	735.2	696.1	573.3
62.5°	534.1	650.7	686.8	715.7	723.6	731.4	723.6	715.7	686.8	650.7	534.1
65°	474.3	579.1	609.2	633.1	638.3	643.4	638.3	633.1	609.2	579.1	474.3
67.5°	412.8	500.4	519.1	530.8	521.2	511.5	521.2	530.8	519.1	500.4	412.8
70°	371.9	444.6	451.0	449.0	421.4	393.8	421.4	449.0	451.0	444.6	371.9
72.5°	327.1	380.1	366.0	342.4	290.2	238.0	290.2	342.4	366.0	380.1	327.1
75°	255.2	269.3	207.7	161.9	163.2	164.5	163.2	161.9	207.7	269.3	255.2
77.5°	170.4	181.1	148.5	124.4	125.5	126.7	125.5	124.4	148.5	181.1	170.4
80°	94.6	103.2	101.9	101.1	101.8	102.4	101.8	101.1	101.9	103.2	94.6
82.5°	66.4	72.2	73.5	74.2	73.3	72.4	73.3	74.2	73.5	72.2	66.4
85°	34.5	33.5	28.4	24.2	22.9	21.6	22.9	24.2	28.4	33.5	34.5
87.5°	12.9	13.8	15.7	16.7	17.8	17.3	17.8	16.7	15.7	13.8	12.9
90°	30.8	40.1	49.5	54.8	60.2	57.5	60.2	49.5	40.1	30.8	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: P1435989

CATALOG NUMBER: SQ2W-FB-K-100U-075D-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: P1435989

CATALOG NUMBER: SQ2W-FB-K-100U-075D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	300.1	300.1	300.1	300.1
2.5°	315.1	309.0	303.4	297.7
5°	357.8	329.9	310.6	291.4
7.5°	441.2	358.4	319.3	280.1
10°	519.3	378.8	324.3	269.8
12.5°	579.7	406.2	332.2	258.2
15°	647.2	451.0	345.3	239.5
17.5°	701.9	501.7	360.9	220.1
20°	737.6	537.1	371.7	206.3
22.5°	764.2	563.4	378.5	193.6
25°	792.9	592.7	384.4	176.0
27.5°	797.0	599.3	379.1	159.0
30°	792.0	596.1	372.3	148.6
32.5°	782.4	588.9	364.1	139.4
35°	759.3	567.9	346.7	125.5
37.5°	724.5	535.0	324.4	113.7
40°	698.7	510.7	308.7	106.8
42.5°	668.7	482.2	291.0	99.8
45°	619.3	434.5	262.7	90.9
47.5°	566.6	381.0	231.8	82.5
50°	530.9	344.6	211.3	77.9
52.5°	495.9	309.2	191.3	73.3
55°	444.8	260.1	164.0	67.8
57.5°	396.9	218.1	140.5	62.9
60°	366.9	195.2	127.9	60.6
62.5°	336.9	174.3	115.7	57.1
65°	294.8	148.3	100.8	53.4
67.5°	256.2	128.7	88.4	48.2
70°	232.7	119.1	81.9	44.7
72.5°	207.0	108.6	75.5	42.4
75°	165.4	91.4	64.4	37.5
77.5°	116.4	70.8	50.7	30.6
80°	76.0	58.0	42.0	26.0
82.5°	56.0	45.2	33.3	21.4
85°	31.3	27.1	20.0	13.0
87.5°	13.7	12.7	9.1	5.4
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: P1435989

CATALOG NUMBER: SQ2W-FB-K-100U-075D-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: P1435989
 CATALOG NUMBER: SQ2W-FB-K-100U-075D-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	11.02	11.85	12.03	12.87	14.23	20.62	21.45	21.62	22.47	23.83
	3H	11.96	12.70	12.97	13.73	15.11	22.22	22.96	23.24	23.99	25.37
	4H	12.35	13.06	13.38	14.09	15.48	22.40	23.10	23.43	24.13	25.52
	6H	12.61	13.25	13.65	14.29	15.69	22.47	23.12	23.51	24.15	25.55
	8H	12.70	13.31	13.74	14.37	15.76	22.49	23.10	23.53	24.16	25.55
	12H	12.75	13.33	13.80	14.38	15.80	22.46	23.05	23.51	24.10	25.52
4H	2H	15.74	16.44	16.77	17.47	18.86	20.98	21.68	22.02	22.71	24.10
	3H	16.86	17.45	17.91	18.51	19.91	22.86	23.45	23.91	24.51	25.91
	4H	17.14	17.68	18.19	18.73	20.15	23.08	23.62	24.14	24.67	26.10
	6H	17.28	17.74	18.34	18.81	20.23	23.21	23.67	24.28	24.75	26.17
	8H	17.31	17.74	18.38	18.81	20.25	23.26	23.69	24.32	24.76	26.19
	12H	17.31	17.70	18.40	18.79	20.22	23.24	23.63	24.32	24.71	26.15
8H	4H	18.33	18.76	19.40	19.83	21.26	23.17	23.60	24.23	24.67	26.10
	6H	18.59	18.94	19.68	20.05	21.48	23.37	23.72	24.45	24.83	26.26
	8H	18.69	19.00	19.78	20.09	21.54	23.46	23.77	24.55	24.86	26.31
	12H	18.73	19.00	19.82	20.09	21.58	23.46	23.73	24.56	24.82	26.31
12H	4H	18.35	18.74	19.44	19.83	21.27	23.12	23.51	24.20	24.59	26.03
	6H	18.70	19.01	19.79	20.10	21.55	23.35	23.66	24.44	24.75	26.21
	8H	18.83	19.10	19.93	20.19	21.68	23.45	23.72	24.55	24.81	26.30