

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: P1435916

Luminaire Tested: SQ2W-FB-K-025U-075D-L930-UNV-STD-W-WM-4

Issue Date: 3/24/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1435916  
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-025U-075D-L930-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 250 LUMENS PER FOOT  
Light Source: 3000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

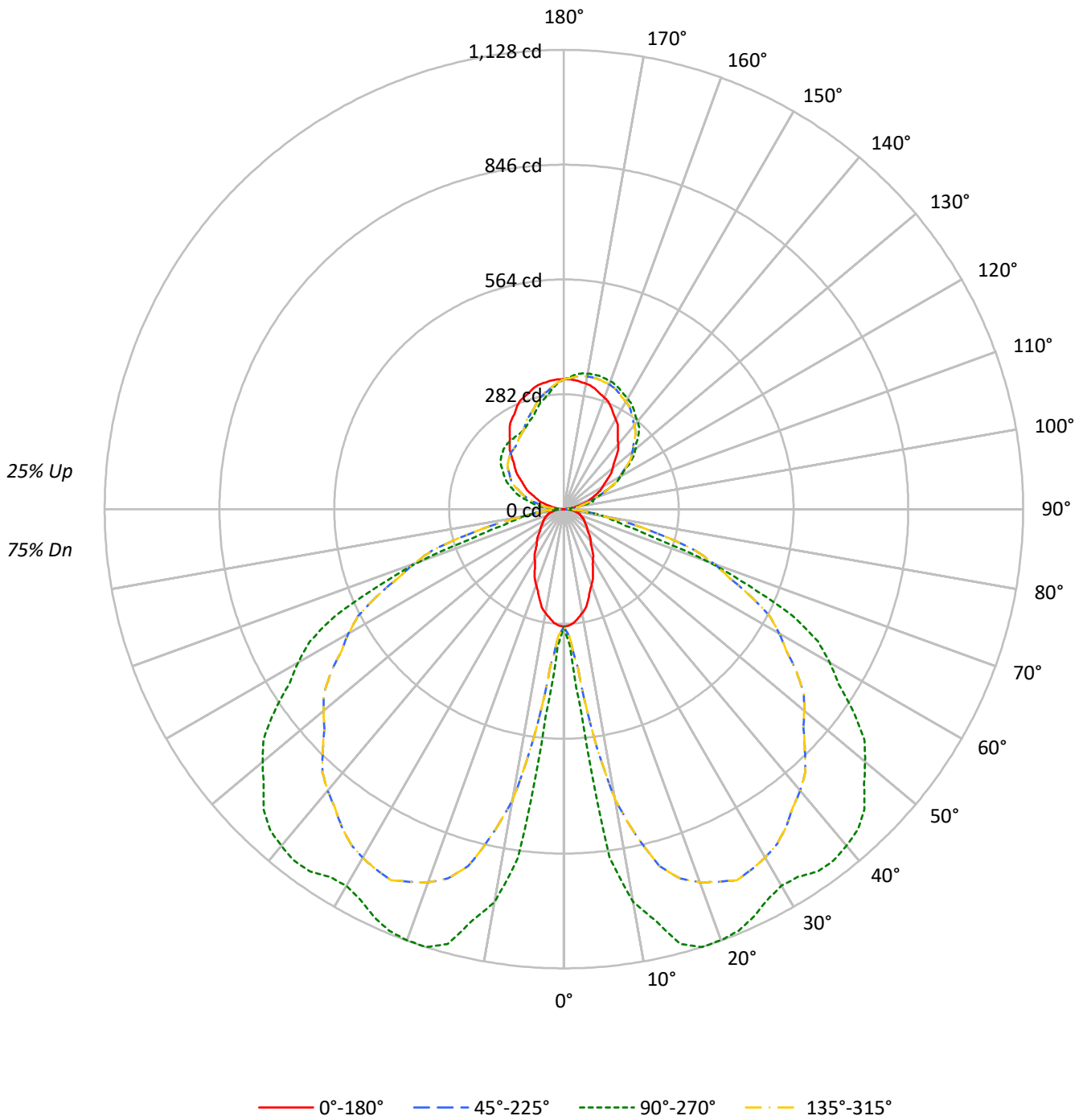
Lumens per Lamp: N/A  
Luminaire Lumens: 3782.6 lumens  
Efficiency: N/A  
Efficacy: 110.6 lumens/watt  
Spacing Criteria (0/90/45): 0.84 / 2.98 / 2.52  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: Semi-Direct

Input Watts (W): 34.2  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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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CATALOG NUMBER: SQ2W-FB-K-025U-075D-L930-UNV-STD-W-WM-4

### 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	113	113	113	113	108	108	108	108	97	97	97	88	88	88	79	79	79	75				75
1	103	99	94	91	98	94	90	87	85	82	80	77	75	73	70	68	67				63	
2	94	85	79	73	89	82	76	70	74	69	65	67	63	60	61	58	55				52	
3	85	75	67	60	80	71	64	58	65	59	54	59	54	50	53	49	46				43	
4	77	66	57	50	73	63	55	49	57	51	45	52	46	42	47	43	39				36	
5	71	58	49	43	67	55	47	41	51	44	39	46	40	36	42	37	33				31	
6	65	52	43	37	61	50	41	36	45	38	33	41	36	31	38	33	29				26	
7	60	47	38	32	57	45	37	31	41	34	29	37	32	27	34	29	25				23	
8	55	42	34	28	53	40	33	27	37	30	26	34	28	24	31	26	22				20	
9	52	38	30	25	49	37	29	24	34	27	23	31	25	21	28	24	20				18	
10	48	35	27	22	46	34	26	22	31	25	20	29	23	19	26	21	18				16	

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	4660	4660	4660	4660
5°	4543	8253	4543	8253
10°	4254	16060	4254	16060
15°	3849	18484	3849	18484
20°	3409	19357	3409	19357
25°	3016	19674	3016	19674
30°	2664	19918	2664	19918
35°	2379	21413	2379	21413
40°	2165	22752	2165	22752
45°	1996	23824	1996	23824
50°	1881	24256	1881	24256
55°	1835	24450	1835	24450
60°	1883	24328	1883	24328
65°	1960	23640	1960	23640
70°	2030	17882	2030	17882
75°	2252	9869	2252	9869
80°	2324	9158	2324	9158
85°	2316	3853	2316	3853

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 52.5°  
 Luminance: 24671 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	48.4	1.3
10°-20°	220.6	5.8
20°-30°	388.2	10.3
30°-40°	502.5	13.3
40°-50°	554.2	14.7
50°-60°	517.3	13.7
60°-70°	399.6	10.6
70°-80°	184.2	4.9
80°-90°	36.5	1.0
90°-100°	25.4	0.7
100°-110°	74.0	2.0
110°-120°	120.8	3.2
120°-130°	153.3	4.1
130°-140°	164.0	4.3
140°-150°	153.1	4.0
150°-160°	126.0	3.3
160°-170°	84.5	2.2
170°-180°	30.0	0.8
0°-30°	657.2	17.4
0°-40°	1159.7	30.7
0°-60°	2231.2	59.0
0°-90°	2851.6	75.4
90°-120°	220.2	5.8
90°-150°	690.5	18.3
90°-180°	931.0	24.6
0°-180°	3782.6	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	289	289	289	289	289	
5°	280	509	280	509	280	26
15°	230	1106	230	1106	230	64
25°	169	1104	169	1104	169	78
35°	121	1086	121	1086	121	76
45°	87	1043	87	1043	87	68
55°	65	869	65	869	65	59
65°	51	619	51	619	51	50
75°	36	158	36	158	36	37
85°	12	21	12	21	12	13
90°	1	7	1	14	1	1
95°	10	7	10	44	10	12
105°	47	75	47	104	47	50
115°	90	125	90	154	90	89
125°	133	198	133	189	133	119
135°	181	259	181	209	181	140
145°	232	299	232	214	232	145
155°	275	325	275	222	275	126
165°	304	338	304	255	304	86
175°	318	331	318	299	318	30
180°	319	319	319	319	319	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	288.6	288.6	288.6	288.6	288.6	288.6	288.6	288.6	288.6	288.6	288.6
2.5°	286.4	291.8	297.2	303.0	308.9	315.4	322.3	328.2	331.1	334.1	331.1
5°	280.3	298.8	317.3	344.1	373.7	407.3	444.9	477.1	493.2	509.2	493.2
7.5°	269.4	307.1	344.7	424.4	518.1	615.4	716.3	800.0	832.0	864.1	832.0
10°	259.5	311.9	364.3	499.5	662.3	787.5	875.0	945.0	962.3	979.6	962.3
12.5°	248.4	319.5	390.7	557.6	756.4	886.5	947.9	998.4	1016.2	1033.9	1016.2
15°	230.3	332.1	433.8	622.5	840.2	974.0	1024.0	1066.3	1086.1	1105.8	1086.1
17.5°	211.7	347.1	482.6	675.1	886.6	1017.0	1066.5	1106.3	1117.0	1127.7	1117.0
20°	198.4	357.5	516.6	709.5	913.6	1036.9	1079.5	1113.1	1119.8	1126.6	1119.8
22.5°	186.2	364.0	541.9	735.0	933.2	1048.4	1080.6	1106.5	1113.8	1121.1	1113.8
25°	169.3	369.7	570.1	762.6	952.6	1057.7	1078.1	1094.6	1099.5	1104.4	1099.5
27.5°	152.9	364.7	576.4	766.5	949.4	1047.5	1060.9	1072.1	1076.9	1081.7	1076.9
30°	142.9	358.1	573.3	761.7	941.2	1035.8	1045.7	1054.8	1061.6	1068.4	1061.6
32.5°	134.0	350.2	566.4	752.5	928.5	1021.1	1030.5	1041.2	1055.9	1070.6	1055.9
35°	120.7	333.5	546.2	730.3	904.8	999.4	1014.2	1032.1	1059.3	1086.4	1059.3
37.5°	109.3	312.0	514.6	696.8	872.2	975.3	1006.3	1036.0	1062.2	1088.3	1062.2
40°	102.7	296.9	491.2	672.0	848.4	957.2	998.5	1035.1	1057.3	1079.5	1057.3
42.5°	96.0	279.9	463.8	643.1	821.0	934.0	982.2	1024.0	1046.2	1068.4	1046.2
45°	87.4	252.7	417.9	595.7	777.6	896.9	953.7	1001.4	1022.4	1043.4	1022.4
47.5°	79.4	222.9	366.5	545.0	735.2	860.4	920.5	969.5	984.8	1000.1	984.8
50°	74.9	203.2	331.5	510.6	706.7	834.3	893.5	941.0	953.3	965.7	953.3
52.5°	70.5	183.9	297.4	476.9	678.4	807.1	862.8	907.5	918.8	930.2	918.8
55°	65.2	157.7	250.2	427.8	633.8	761.1	809.8	848.8	858.7	868.6	858.7
57.5°	60.5	135.1	209.7	381.7	586.2	709.2	750.8	784.0	792.0	800.0	792.0
60°	58.3	123.0	187.8	352.9	551.4	669.5	707.1	737.4	745.4	753.4	745.4
62.5°	54.9	111.3	167.7	324.0	513.7	625.9	660.5	688.4	695.9	703.4	695.9
65°	51.3	97.0	142.6	283.5	456.2	557.0	586.0	608.9	613.9	618.8	613.9
67.5°	46.3	85.1	123.8	246.4	397.0	481.3	499.3	510.5	501.2	492.0	501.2
70°	43.0	78.8	114.5	223.8	357.7	427.6	433.8	431.8	405.3	378.8	405.3
72.5°	40.8	72.6	104.4	199.1	314.6	365.6	352.0	329.3	279.1	228.9	279.1
75°	36.1	62.0	87.9	159.1	245.4	259.0	199.8	155.7	156.9	158.2	156.9
77.5°	29.4	48.8	68.1	111.9	163.8	174.1	142.8	119.6	120.7	121.8	120.7
80°	25.0	40.4	55.8	73.1	91.0	99.3	98.0	97.3	97.9	98.5	97.9
82.5°	20.5	32.0	43.5	53.8	63.8	69.4	70.7	71.4	70.5	69.7	70.5
85°	12.5	19.3	26.1	30.1	33.1	32.2	27.3	23.3	22.0	20.8	22.0
87.5°	4.6	7.4	10.1	9.5	7.8	6.8	6.8	6.9	7.0	7.0	7.0
90°	1.0	2.3	3.9	5.2	6.1	6.4	6.4	6.8	7.1	7.1	7.1
92.5°	3.5	5.6	5.7	5.7	6.9	7.5	8.0	8.1	8.4	8.4	8.4
95°	10.0	11.0	16.4	16.1	11.0	8.7	7.4	7.4	7.4	7.4	7.4
97.5°	19.1	20.5	21.4	28.7	30.3	29.2	23.8	20.0	17.9	16.9	17.9
100°	27.1	27.7	29.6	30.0	38.0	45.7	41.9	37.0	35.4	34.5	35.4
102.5°	35.0	35.4	38.4	39.7	41.6	46.0	59.4	57.9	56.8	56.6	56.8
105°	47.0	47.3	52.8	55.4	56.7	56.7	56.4	62.8	73.1	75.4	73.1
107.5°	59.8	61.3	67.8	74.7	76.1	76.5	74.9	73.9	73.5	73.8	73.5
110°	68.6	70.9	78.6	87.3	89.5	90.2	89.5	88.6	87.9	87.9	87.9



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	77.1	80.4	89.2	99.1	102.9	104.9	103.5	102.7	102.1	102.6	102.1
115°	90.2	95.0	106.6	116.9	124.6	125.6	125.3	125.3	125.0	125.0	125.0
117.5°	102.3	110.0	123.0	135.0	144.0	146.5	147.8	147.5	147.1	147.7	147.1
120°	110.8	119.8	134.6	148.2	156.9	160.7	162.0	161.4	162.0	161.4	162.0
122.5°	119.8	130.9	145.5	159.5	169.7	174.1	175.7	175.8	175.9	175.5	175.9
125°	133.3	146.9	163.9	178.4	189.1	194.2	195.5	195.8	196.5	198.1	196.5
127.5°	147.0	162.3	181.1	195.1	205.9	212.2	214.2	214.9	216.2	217.0	216.2
130°	156.5	173.9	192.9	206.1	216.8	223.5	227.1	228.0	229.6	229.3	229.6
132.5°	166.6	184.7	204.0	217.7	227.6	234.9	237.9	240.7	241.2	241.7	241.2
135°	181.3	201.0	220.3	233.8	243.2	250.3	254.1	256.7	258.3	259.3	258.3
137.5°	196.9	217.6	236.2	248.2	257.6	263.7	268.1	270.8	272.5	273.3	272.5
140°	207.4	227.4	245.4	258.0	266.4	272.5	276.3	279.6	281.5	281.5	281.5
142.5°	217.5	237.2	254.7	267.3	274.6	280.2	284.3	286.8	289.0	289.0	289.0
145°	231.6	251.2	267.3	279.9	286.0	291.2	295.7	297.6	298.9	298.9	298.9
147.5°	246.3	263.7	278.4	290.5	295.6	301.7	305.2	306.8	308.4	307.7	308.4
150°	255.1	271.2	285.4	296.6	301.8	307.6	311.1	312.4	314.0	313.1	314.0
152.5°	263.6	278.9	291.8	302.3	306.7	312.5	316.5	317.8	318.9	318.2	318.9
155°	275.1	288.6	300.5	310.2	314.0	319.5	323.4	325.0	326.3	324.7	326.3
157.5°	285.3	297.0	307.3	316.2	320.3	325.0	328.7	330.7	331.9	331.2	331.9
160°	291.5	302.1	311.5	319.8	323.7	327.9	331.7	334.0	335.3	334.3	335.3
162.5°	296.6	306.2	315.1	322.7	326.0	329.7	334.3	336.3	337.6	336.4	337.6
165°	304.0	311.8	319.5	326.0	328.8	331.7	336.6	338.8	339.8	338.5	339.8
167.5°	309.7	315.6	321.8	327.4	329.5	332.3	337.2	339.0	340.3	338.6	340.3
170°	312.7	317.9	323.4	327.9	329.5	332.1	336.9	338.5	339.5	337.9	339.5
172.5°	315.3	319.2	323.6	327.6	328.5	330.5	335.1	336.7	337.4	336.1	337.4
175°	317.9	320.2	323.4	326.0	325.6	326.9	330.8	332.1	333.4	331.4	333.4
177.5°	319.1	320.2	321.2	322.7	321.7	321.7	324.5	325.3	325.6	324.5	325.6
180°	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9



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**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	288.6	288.6	288.6	288.6	288.6	288.6	288.6	288.6	288.6	288.6	288.6
2.5°	328.2	322.3	315.4	308.9	303.0	297.2	291.8	286.4	291.8	297.2	303.0
5°	477.1	444.9	407.3	373.7	344.1	317.3	298.8	280.3	298.8	317.3	344.1
7.5°	800.0	716.3	615.4	518.1	424.4	344.7	307.1	269.4	307.1	344.7	424.4
10°	945.0	875.0	787.5	662.3	499.5	364.3	311.9	259.5	311.9	364.3	499.5
12.5°	998.4	947.9	886.5	756.4	557.6	390.7	319.5	248.4	319.5	390.7	557.6
15°	1066.3	1024.0	974.0	840.2	622.5	433.8	332.1	230.3	332.1	433.8	622.5
17.5°	1106.3	1066.5	1017.0	886.6	675.1	482.6	347.1	211.7	347.1	482.6	675.1
20°	1113.1	1079.5	1036.9	913.6	709.5	516.6	357.5	198.4	357.5	516.6	709.5
22.5°	1106.5	1080.6	1048.4	933.2	735.0	541.9	364.0	186.2	364.0	541.9	735.0
25°	1094.6	1078.1	1057.7	952.6	762.6	570.1	369.7	169.3	369.7	570.1	762.6
27.5°	1072.1	1060.9	1047.5	949.4	766.5	576.4	364.7	152.9	364.7	576.4	766.5
30°	1054.8	1045.7	1035.8	941.2	761.7	573.3	358.1	142.9	358.1	573.3	761.7
32.5°	1041.2	1030.5	1021.1	928.5	752.5	566.4	350.2	134.0	350.2	566.4	752.5
35°	1032.1	1014.2	999.4	904.8	730.3	546.2	333.5	120.7	333.5	546.2	730.3
37.5°	1036.0	1006.3	975.3	872.2	696.8	514.6	312.0	109.3	312.0	514.6	696.8
40°	1035.1	998.5	957.2	848.4	672.0	491.2	296.9	102.7	296.9	491.2	672.0
42.5°	1024.0	982.2	934.0	821.0	643.1	463.8	279.9	96.0	279.9	463.8	643.1
45°	1001.4	953.7	896.9	777.6	595.7	417.9	252.7	87.4	252.7	417.9	595.7
47.5°	969.5	920.5	860.4	735.2	545.0	366.5	222.9	79.4	222.9	366.5	545.0
50°	941.0	893.5	834.3	706.7	510.6	331.5	203.2	74.9	203.2	331.5	510.6
52.5°	907.5	862.8	807.1	678.4	476.9	297.4	183.9	70.5	183.9	297.4	476.9
55°	848.8	809.8	761.1	633.8	427.8	250.2	157.7	65.2	157.7	250.2	427.8
57.5°	784.0	750.8	709.2	586.2	381.7	209.7	135.1	60.5	135.1	209.7	381.7
60°	737.4	707.1	669.5	551.4	352.9	187.8	123.0	58.3	123.0	187.8	352.9
62.5°	688.4	660.5	625.9	513.7	324.0	167.7	111.3	54.9	111.3	167.7	324.0
65°	608.9	586.0	557.0	456.2	283.5	142.6	97.0	51.3	97.0	142.6	283.5
67.5°	510.5	499.3	481.3	397.0	246.4	123.8	85.1	46.3	85.1	123.8	246.4
70°	431.8	433.8	427.6	357.7	223.8	114.5	78.8	43.0	78.8	114.5	223.8
72.5°	329.3	352.0	365.6	314.6	199.1	104.4	72.6	40.8	72.6	104.4	199.1
75°	155.7	199.8	259.0	245.4	159.1	87.9	62.0	36.1	62.0	87.9	159.1
77.5°	119.6	142.8	174.1	163.8	111.9	68.1	48.8	29.4	48.8	68.1	111.9
80°	97.3	98.0	99.3	91.0	73.1	55.8	40.4	25.0	40.4	55.8	73.1
82.5°	71.4	70.7	69.4	63.8	53.8	43.5	32.0	20.5	32.0	43.5	53.8
85°	23.3	27.3	32.2	33.1	30.1	26.1	19.3	12.5	19.3	26.1	30.1
87.5°	6.9	6.8	6.8	7.8	9.5	10.1	7.4	4.6	7.4	10.1	9.7
90°	6.8	6.4	6.4	6.1	5.2	3.9	2.3	1.0	2.3	3.5	5.8
92.5°	8.1	8.0	7.5	6.9	5.7	5.7	5.6	3.5	6.1	8.7	12.5
95°	7.4	7.4	8.7	11.0	16.1	16.4	11.0	10.0	14.2	20.0	25.1
97.5°	20.0	23.8	29.2	30.3	28.7	21.4	20.5	19.1	26.0	31.7	40.0
100°	37.0	41.9	45.7	38.0	30.0	29.6	27.7	27.1	34.5	39.9	48.0
102.5°	57.9	59.4	46.0	41.6	39.7	38.4	35.4	35.0	42.5	50.0	56.8
105°	62.8	56.4	56.7	56.7	55.4	52.8	47.3	47.0	55.4	64.1	72.5
107.5°	73.9	74.9	76.5	76.1	74.7	67.8	61.3	59.8	67.4	77.8	87.0
110°	88.6	89.5	90.2	89.5	87.3	78.6	70.9	68.6	75.4	86.3	96.3



TEST NUMBER: P1435916

CATALOG NUMBER: SQ2W-FB-K-025U-075D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	102.7	103.5	104.9	102.9	99.1	89.2	80.4	77.1	83.9	95.1	105.3
115°	125.3	125.3	125.6	124.6	116.9	106.6	95.0	90.2	96.0	106.3	117.6
117.5°	147.5	147.8	146.5	144.0	135.0	123.0	110.0	102.3	106.9	117.8	129.3
120°	161.4	162.0	160.7	156.9	148.2	134.6	119.8	110.8	114.3	125.0	136.6
122.5°	175.8	175.7	174.1	169.7	159.5	145.5	130.9	119.8	121.3	131.2	142.5
125°	195.8	195.5	194.2	189.1	178.4	163.9	146.9	133.3	131.4	139.8	151.4
127.5°	214.9	214.2	212.2	205.9	195.1	181.1	162.3	147.0	142.7	148.0	158.6
130°	228.0	227.1	223.5	216.8	206.1	192.9	173.9	156.5	150.4	153.6	163.0
132.5°	240.7	237.9	234.9	227.6	217.7	204.0	184.7	166.6	158.1	159.6	166.8
135°	256.7	254.1	250.3	243.2	233.8	220.3	201.0	181.3	169.7	168.5	172.6
137.5°	270.8	268.1	263.7	257.6	248.2	236.2	217.6	196.9	182.2	177.9	179.5
140°	279.6	276.3	272.5	266.4	258.0	245.4	227.4	207.4	191.0	184.9	183.9
142.5°	286.8	284.3	280.2	274.6	267.3	254.7	237.2	217.5	200.0	192.1	189.8
145°	297.6	295.7	291.2	286.0	279.9	267.3	251.2	231.6	214.2	203.9	199.0
147.5°	306.8	305.2	301.7	295.6	290.5	278.4	263.7	246.3	228.5	215.7	209.5
150°	312.4	311.1	307.6	301.8	296.6	285.4	271.2	255.1	238.0	224.5	216.4
152.5°	317.8	316.5	312.5	306.7	302.3	291.8	278.9	263.6	246.3	232.7	224.4
155°	325.0	323.4	319.5	314.0	310.2	300.5	288.6	275.1	260.2	246.1	236.7
157.5°	330.7	328.7	325.0	320.3	316.2	307.3	297.0	285.3	272.4	258.8	249.3
160°	334.0	331.7	327.9	323.7	319.8	311.5	302.1	291.5	279.6	267.3	257.0
162.5°	336.3	334.3	329.7	326.0	322.7	315.1	306.2	296.6	286.0	275.3	265.8
165°	338.8	336.6	331.7	328.8	326.0	319.5	311.8	304.0	295.0	286.3	278.6
167.5°	339.0	337.2	332.3	329.5	327.4	321.8	315.6	309.7	302.6	295.8	289.4
170°	338.5	336.9	332.1	329.5	327.9	323.4	317.9	312.7	307.3	301.5	296.3
172.5°	336.7	335.1	330.5	328.5	327.6	323.6	319.2	315.3	310.6	306.4	302.2
175°	332.1	330.8	326.9	325.6	326.0	323.4	320.2	317.9	315.0	312.4	310.2
177.5°	325.3	324.5	321.7	321.7	322.7	321.2	320.2	319.1	317.8	317.1	316.3
180°	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9



TEST NUMBER: P1435916

CATALOG NUMBER: SQ2W-FB-K-025U-075D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	288.6	288.6	288.6	288.6	288.6	288.6	288.6	288.6	288.6	288.6	288.6
2.5°	308.9	315.4	322.3	328.2	331.1	334.1	331.1	328.2	322.3	315.4	308.9
5°	373.7	407.3	444.9	477.1	493.2	509.2	493.2	477.1	444.9	407.3	373.7
7.5°	518.1	615.4	716.3	800.0	832.0	864.1	832.0	800.0	716.3	615.4	518.1
10°	662.3	787.5	875.0	945.0	962.3	979.6	962.3	945.0	875.0	787.5	662.3
12.5°	756.4	886.5	947.9	998.4	1016.2	1033.9	1016.2	998.4	947.9	886.5	756.4
15°	840.2	974.0	1024.0	1066.3	1086.1	1105.8	1086.1	1066.3	1024.0	974.0	840.2
17.5°	886.6	1017.0	1066.5	1106.3	1117.0	1127.7	1117.0	1106.3	1066.5	1017.0	886.6
20°	913.6	1036.9	1079.5	1113.1	1119.8	1126.6	1119.8	1113.1	1079.5	1036.9	913.6
22.5°	933.2	1048.4	1080.6	1106.5	1113.8	1121.1	1113.8	1106.5	1080.6	1048.4	933.2
25°	952.6	1057.7	1078.1	1094.6	1099.5	1104.4	1099.5	1094.6	1078.1	1057.7	952.6
27.5°	949.4	1047.5	1060.9	1072.1	1076.9	1081.7	1076.9	1072.1	1060.9	1047.5	949.4
30°	941.2	1035.8	1045.7	1054.8	1061.6	1068.4	1061.6	1054.8	1045.7	1035.8	941.2
32.5°	928.5	1021.1	1030.5	1041.2	1055.9	1070.6	1055.9	1041.2	1030.5	1021.1	928.5
35°	904.8	999.4	1014.2	1032.1	1059.3	1086.4	1059.3	1032.1	1014.2	999.4	904.8
37.5°	872.2	975.3	1006.3	1036.0	1062.2	1088.3	1062.2	1036.0	1006.3	975.3	872.2
40°	848.4	957.2	998.5	1035.1	1057.3	1079.5	1057.3	1035.1	998.5	957.2	848.4
42.5°	821.0	934.0	982.2	1024.0	1046.2	1068.4	1046.2	1024.0	982.2	934.0	821.0
45°	777.6	896.9	953.7	1001.4	1022.4	1043.4	1022.4	1001.4	953.7	896.9	777.6
47.5°	735.2	860.4	920.5	969.5	984.8	1000.1	984.8	969.5	920.5	860.4	735.2
50°	706.7	834.3	893.5	941.0	953.3	965.7	953.3	941.0	893.5	834.3	706.7
52.5°	678.4	807.1	862.8	907.5	918.8	930.2	918.8	907.5	862.8	807.1	678.4
55°	633.8	761.1	809.8	848.8	858.7	868.6	858.7	848.8	809.8	761.1	633.8
57.5°	586.2	709.2	750.8	784.0	792.0	800.0	792.0	784.0	750.8	709.2	586.2
60°	551.4	669.5	707.1	737.4	745.4	753.4	745.4	737.4	707.1	669.5	551.4
62.5°	513.7	625.9	660.5	688.4	695.9	703.4	695.9	688.4	660.5	625.9	513.7
65°	456.2	557.0	586.0	608.9	613.9	618.8	613.9	608.9	586.0	557.0	456.2
67.5°	397.0	481.3	499.3	510.5	501.2	492.0	501.2	510.5	499.3	481.3	397.0
70°	357.7	427.6	433.8	431.8	405.3	378.8	405.3	431.8	433.8	427.6	357.7
72.5°	314.6	365.6	352.0	329.3	279.1	228.9	279.1	329.3	352.0	365.6	314.6
75°	245.4	259.0	199.8	155.7	156.9	158.2	156.9	155.7	199.8	259.0	245.4
77.5°	163.8	174.1	142.8	119.6	120.7	121.8	120.7	119.6	142.8	174.1	163.8
80°	91.0	99.3	98.0	97.3	97.9	98.5	97.9	97.3	98.0	99.3	91.0
82.5°	63.8	69.4	70.7	71.4	70.5	69.7	70.5	71.4	70.7	69.4	63.8
85°	33.1	32.2	27.3	23.3	22.0	20.8	22.0	23.3	27.3	32.2	33.1
87.5°	8.0	7.5	7.9	8.2	8.4	8.3	8.4	8.2	7.9	7.5	8.0
90°	7.4	9.7	11.9	13.2	14.5	13.8	14.5	13.2	11.9	9.7	7.4
92.5°	14.9	18.7	21.5	23.8	24.8	24.7	24.8	23.8	21.5	18.7	14.9
95°	30.0	34.5	39.0	42.2	44.1	43.5	44.1	42.2	39.0	34.5	30.0
97.5°	46.2	52.2	57.3	60.3	62.2	63.5	62.2	60.3	57.3	52.2	46.2
100°	57.0	62.8	68.6	72.1	75.4	76.7	75.4	72.1	68.6	62.8	57.0
102.5°	65.8	73.4	79.7	83.5	86.2	87.5	86.2	83.5	79.7	73.4	65.8
105°	80.2	88.3	95.0	99.8	102.7	103.7	102.7	99.8	95.0	88.3	80.2
107.5°	94.6	102.9	109.2	114.5	118.1	120.1	118.1	114.5	109.2	102.9	94.6
110°	106.0	112.7	119.5	124.3	127.9	129.2	127.9	124.3	119.5	112.7	106.0



TEST NUMBER: P1435916

CATALOG NUMBER: SQ2W-FB-K-025U-075D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	115.5	123.0	129.8	134.6	138.7	140.5	138.7	134.6	129.8	123.0	115.5
115°	128.8	138.8	144.9	149.4	152.3	154.0	152.3	149.4	144.9	138.8	128.8
117.5°	139.9	150.3	157.0	160.5	161.9	163.0	161.9	160.5	157.0	150.3	139.9
120°	146.9	156.5	164.3	168.8	170.4	171.0	170.4	168.8	164.3	156.5	146.9
122.5°	153.3	162.5	169.9	175.5	178.1	178.8	178.1	175.5	169.9	162.5	153.3
125°	162.3	171.0	178.8	184.2	187.1	188.7	187.1	184.2	178.8	171.0	162.3
127.5°	170.2	179.6	186.7	191.6	194.5	195.8	194.5	191.6	186.7	179.6	170.2
130°	174.6	184.2	191.3	196.8	199.4	200.7	199.4	196.8	191.3	184.2	174.6
132.5°	177.9	188.1	195.4	200.4	203.2	204.5	203.2	200.4	195.4	188.1	177.9
135°	182.0	192.6	200.3	205.2	207.7	209.0	207.7	205.2	200.3	192.6	182.0
137.5°	185.5	195.2	203.2	208.3	210.6	211.5	210.6	208.3	203.2	195.2	185.5
140°	188.1	196.5	204.5	209.4	211.9	212.3	211.9	209.4	204.5	196.5	188.1
142.5°	191.4	198.0	205.0	209.9	212.4	213.0	212.4	209.9	205.0	198.0	191.4
145°	197.4	201.3	206.1	210.6	212.9	213.5	212.9	210.6	206.1	201.3	197.4
147.5°	205.0	206.2	208.7	211.7	213.9	214.3	213.9	211.7	208.7	206.2	205.0
150°	210.6	210.3	211.3	213.2	215.2	214.8	215.2	213.2	211.3	210.3	210.6
152.5°	217.1	215.2	215.2	216.1	217.0	216.9	217.0	216.1	215.2	215.2	217.1
155°	228.0	224.5	222.6	221.9	221.9	221.6	221.9	221.9	222.6	224.5	228.0
157.5°	240.1	235.1	232.2	230.7	230.2	229.5	230.2	230.7	232.2	235.1	240.1
160°	248.3	242.9	240.0	237.4	236.4	235.4	236.4	237.4	240.0	242.9	248.3
162.5°	256.1	250.8	247.7	245.4	244.4	242.9	244.4	245.4	247.7	250.8	256.1
165°	268.6	263.1	259.6	257.7	256.4	255.1	256.4	257.7	259.6	263.1	268.6
167.5°	281.2	275.2	272.9	270.7	269.5	267.1	269.5	270.7	272.9	275.2	281.2
170°	288.9	283.4	282.1	280.2	278.0	275.4	278.0	280.2	282.1	283.4	288.9
172.5°	295.6	291.9	290.6	288.7	288.0	285.9	288.0	288.7	290.6	291.9	295.6
175°	305.3	302.4	302.4	302.1	301.1	299.2	301.1	302.1	302.4	302.4	305.3
177.5°	313.5	311.9	312.9	312.9	312.7	310.9	312.7	312.9	312.9	311.9	313.5
180°	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9



TEST NUMBER: P1435916

CATALOG NUMBER: SQ2W-FB-K-025U-075D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	288.6	288.6	288.6	288.6
2.5°	303.0	297.2	291.8	286.4
5°	344.1	317.3	298.8	280.3
7.5°	424.4	344.7	307.1	269.4
10°	499.5	364.3	311.9	259.5
12.5°	557.6	390.7	319.5	248.4
15°	622.5	433.8	332.1	230.3
17.5°	675.1	482.6	347.1	211.7
20°	709.5	516.6	357.5	198.4
22.5°	735.0	541.9	364.0	186.2
25°	762.6	570.1	369.7	169.3
27.5°	766.5	576.4	364.7	152.9
30°	761.7	573.3	358.1	142.9
32.5°	752.5	566.4	350.2	134.0
35°	730.3	546.2	333.5	120.7
37.5°	696.8	514.6	312.0	109.3
40°	672.0	491.2	296.9	102.7
42.5°	643.1	463.8	279.9	96.0
45°	595.7	417.9	252.7	87.4
47.5°	545.0	366.5	222.9	79.4
50°	510.6	331.5	203.2	74.9
52.5°	476.9	297.4	183.9	70.5
55°	427.8	250.2	157.7	65.2
57.5°	381.7	209.7	135.1	60.5
60°	352.9	187.8	123.0	58.3
62.5°	324.0	167.7	111.3	54.9
65°	283.5	142.6	97.0	51.3
67.5°	246.4	123.8	85.1	46.3
70°	223.8	114.5	78.8	43.0
72.5°	199.1	104.4	72.6	40.8
75°	159.1	87.9	62.0	36.1
77.5°	111.9	68.1	48.8	29.4
80°	73.1	55.8	40.4	25.0
82.5°	53.8	43.5	32.0	20.5
85°	30.1	26.1	19.3	12.5
87.5°	9.7	10.1	7.4	4.6
90°	5.8	3.5	2.3	1.0
92.5°	12.5	8.7	6.1	3.5
95°	25.1	20.0	14.2	10.0
97.5°	40.0	31.7	26.0	19.1
100°	48.0	39.9	34.5	27.1
102.5°	56.8	50.0	42.5	35.0
105°	72.5	64.1	55.4	47.0
107.5°	87.0	77.8	67.4	59.8
110°	96.3	86.3	75.4	68.6



TEST NUMBER: P1435916

CATALOG NUMBER: SQ2W-FB-K-025U-075D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
112.5°	105.3	95.1	83.9	77.1
115°	117.6	106.3	96.0	90.2
117.5°	129.3	117.8	106.9	102.3
120°	136.6	125.0	114.3	110.8
122.5°	142.5	131.2	121.3	119.8
125°	151.4	139.8	131.4	133.3
127.5°	158.6	148.0	142.7	147.0
130°	163.0	153.6	150.4	156.5
132.5°	166.8	159.6	158.1	166.6
135°	172.6	168.5	169.7	181.3
137.5°	179.5	177.9	182.2	196.9
140°	183.9	184.9	191.0	207.4
142.5°	189.8	192.1	200.0	217.5
145°	199.0	203.9	214.2	231.6
147.5°	209.5	215.7	228.5	246.3
150°	216.4	224.5	238.0	255.1
152.5°	224.4	232.7	246.3	263.6
155°	236.7	246.1	260.2	275.1
157.5°	249.3	258.8	272.4	285.3
160°	257.0	267.3	279.6	291.5
162.5°	265.8	275.3	286.0	296.6
165°	278.6	286.3	295.0	304.0
167.5°	289.4	295.8	302.6	309.7
170°	296.3	301.5	307.3	312.7
172.5°	302.2	306.4	310.6	315.3
175°	310.2	312.4	315.0	317.9
177.5°	316.3	317.1	317.8	319.1
180°	318.9	318.9	318.9	318.9

TEST NUMBER: P1435916  
 CATALOG NUMBER: SQ2W-FB-K-025U-075D-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	13.57	14.76	14.27	15.49	16.34	23.17	24.36	23.87	25.08	25.94
	3H	14.54	15.61	15.25	16.34	17.23	24.80	25.87	25.51	26.61	27.49
	4H	14.95	15.96	15.68	16.71	17.60	24.99	26.01	25.72	26.75	27.65
	6H	15.22	16.16	15.97	16.91	17.82	25.08	26.02	25.83	26.77	27.69
	8H	15.32	16.22	16.08	16.99	17.90	25.11	26.01	25.87	26.78	27.69
	12H	15.38	16.24	16.14	17.00	17.94	25.10	25.95	25.86	26.72	27.66
4H	2H	18.33	19.35	19.07	20.09	20.99	23.57	24.59	24.31	25.33	26.23
	3H	19.49	20.34	20.24	21.12	22.03	25.49	26.34	26.24	27.12	28.03
	4H	19.79	20.56	20.55	21.34	22.28	25.73	26.50	26.49	27.28	28.22
	6H	19.94	20.61	20.73	21.41	22.37	25.88	26.55	26.66	27.35	28.30
	8H	19.99	20.61	20.78	21.41	22.38	25.94	26.56	26.72	27.36	28.32
	12H	20.01	20.57	20.82	21.39	22.36	25.93	26.49	26.74	27.32	28.29
8H	4H	21.01	21.63	21.80	22.43	23.40	25.85	26.47	26.64	27.27	28.24
	6H	21.28	21.80	22.10	22.64	23.61	26.06	26.58	26.88	27.42	28.39
	8H	21.39	21.84	22.21	22.68	23.67	26.16	26.62	26.99	27.45	28.44
	12H	21.45	21.85	22.28	22.68	23.72	26.18	26.58	27.01	27.41	28.45
12H	4H	21.05	21.61	21.86	22.43	23.40	25.82	26.38	26.63	27.20	28.17
	6H	21.40	21.85	22.22	22.69	23.68	26.05	26.51	26.88	27.35	28.33
	8H	21.55	21.95	22.38	22.78	23.82	26.17	26.57	27.00	27.40	28.44