

Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



Scaled data based on original data using  
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1435790

Luminaire Tested: SQ2W-FA-K-075U-050D-L930-UNV-STD-W-WM-4

Issue Date: 3/24/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1435790  
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-075U-050D-L930-UNV-STD-W-WM-4  
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE  
DOWNLIGHT - FROSTED CONTINUOUS ASYMMETRIC ROLL LENS  
UPLIGHT - ASYMMETRIC ROLL LENS  
DOWNLIGHT 500 LUMENS PER FOOT  
UPLIGHT 750 LUMENS PER FOOT  
Light Source: 3000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

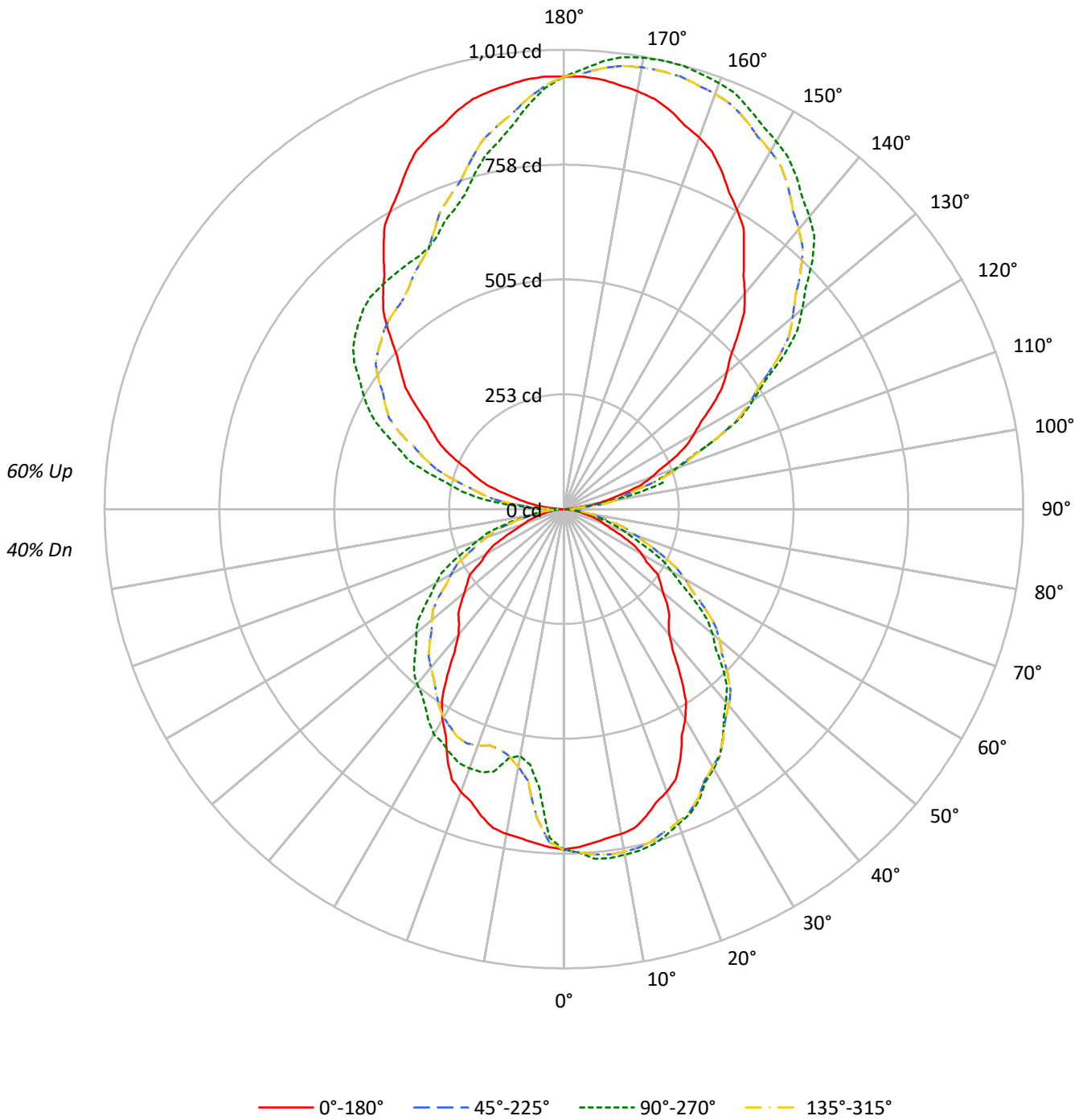
Lumens per Lamp: N/A  
Luminaire Lumens: 4640.5 lumens  
Efficiency: N/A  
Efficacy: 112.1 lumens/watt  
Spacing Criteria (0/90/45): 1.08 / 1.23 / 1.34  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 41.4  
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

TEST NUMBER: P1435790

CATALOG NUMBER: SQ2W-FA-K-075U-050D-L930-UNV-STD-W-WM-4

### Luminous Intensity Polar Plot





TEST NUMBER: P1435790

CATALOG NUMBER: SQ2W-FA-K-075U-050D-L930-UNV-STD-W-WM-4

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	105	105	105	105	95	95	95	95	78	78	78	62	62	62	47	47	47	40
1	96	91	88	84	87	83	80	77	68	66	64	54	53	52	42	41	40	34
2	87	80	74	69	79	73	68	63	60	56	53	48	45	43	37	35	34	29
3	79	70	63	57	72	64	58	53	53	48	45	42	39	36	33	30	29	24
4	73	62	54	48	66	57	50	45	47	42	38	38	34	31	29	27	25	21
5	67	55	47	41	60	51	44	38	42	37	33	34	30	27	26	24	21	18
6	61	49	41	36	56	45	38	33	38	32	28	30	27	24	24	21	19	16
7	57	45	37	31	51	41	34	29	34	29	25	28	24	21	22	19	17	14
8	52	40	33	28	48	37	30	26	31	26	22	25	21	18	20	17	15	12
9	49	37	29	24	44	34	27	23	28	23	20	23	19	17	18	16	13	11
10	46	34	27	22	41	31	25	20	26	21	18	21	18	15	17	14	12	10

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

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

**MAXIMUM LUMINANCE 45°-90°:**

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



TEST NUMBER: P1435790

CATALOG NUMBER: SQ2W-FA-K-075U-050D-L930-UNV-STD-W-WM-4

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	67.4	1.5
10°-20°	188.2	4.1
20°-30°	285.9	6.2
30°-40°	335.6	7.2
40°-50°	340.6	7.3
50°-60°	298.3	6.4
60°-70°	211.6	4.6
70°-80°	108.9	2.3
80°-90°	26.8	0.6
90°-100°	75.7	1.6
100°-110°	220.8	4.8
110°-120°	360.3	7.8
120°-130°	457.2	9.9
130°-140°	489.2	10.5
140°-150°	456.8	9.8
150°-160°	375.9	8.1
160°-170°	252.1	5.4
170°-180°	89.5	1.9
0°-30°	541.4	11.7
0°-40°	877.0	18.9
0°-60°	1515.9	32.7
0°-90°	1863.2	40.2
90°-120°	656.7	14.2
90°-150°	2059.9	44.4
90°-180°	2777.0	59.8
0°-180°	4640.5	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	749	749	749	749	749	
5°	737	772	737	615	737	70
15°	699	763	699	598	699	196
25°	606	705	606	592	606	277
35°	447	609	447	531	447	278
45°	328	493	328	464	328	251
55°	252	351	252	374	252	218
65°	142	203	142	267	142	142
75°	61	87	61	139	61	66
85°	12	12	12	23	12	15
90°	3	21	3	41	3	3
95°	30	22	30	130	30	36
105°	140	225	140	309	140	149
115°	269	373	269	459	269	265
125°	398	591	398	563	398	356
135°	541	773	541	624	541	418
145°	691	892	691	637	691	432
155°	820	968	820	661	820	377
165°	907	1010	907	761	907	255
175°	948	989	948	893	948	90
180°	951	951	951	951	951	



TEST NUMBER: P1435790

CATALOG NUMBER: SQ2W-FA-K-075U-050D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	748.7	748.7	748.7	748.7	748.7	748.7	748.7	748.7	748.7	748.7	748.7
2.5°	744.0	749.2	754.4	755.6	755.6	755.6	755.6	755.6	755.6	755.6	755.6
5°	737.1	746.1	755.1	759.3	761.9	763.8	765.1	766.7	769.3	771.9	769.3
7.5°	730.1	742.2	754.4	760.3	764.2	767.3	769.6	771.6	772.9	774.2	772.9
10°	725.5	739.7	753.8	760.3	764.2	766.7	768.0	769.3	770.6	771.9	770.6
12.5°	718.5	733.7	748.9	756.4	761.3	764.4	765.7	767.0	768.3	769.6	768.3
15°	699.3	720.0	740.6	748.7	752.5	755.8	758.4	760.6	761.9	763.2	761.9
17.5°	675.6	700.6	725.6	735.7	740.9	744.6	746.9	748.9	750.0	751.0	750.0
20°	661.6	688.7	715.8	726.4	731.6	734.8	736.1	737.1	737.1	737.1	737.1
22.5°	643.1	673.2	703.4	714.8	720.0	722.7	723.0	723.4	724.4	725.5	724.4
25°	606.5	641.3	676.1	690.6	698.4	701.6	700.3	700.0	702.6	705.2	702.6
27.5°	561.8	605.7	649.5	664.3	669.5	672.7	674.0	675.0	675.0	675.0	675.0
30°	533.9	583.0	632.0	648.1	653.2	656.5	657.8	658.7	658.7	658.7	658.7
32.5°	499.1	557.4	615.7	633.4	637.5	639.7	640.0	640.2	640.2	640.2	640.2
35°	446.9	517.8	588.8	608.4	611.0	612.3	612.3	612.0	610.7	609.4	610.7
37.5°	394.7	475.1	555.6	578.6	582.5	583.5	581.7	580.0	578.8	577.5	578.8
40°	359.8	447.5	535.2	560.1	563.9	563.9	560.1	556.8	555.5	554.3	555.5
42.5°	341.3	427.9	514.6	539.2	543.0	542.5	537.6	533.6	532.3	531.0	532.3
45°	327.9	405.3	482.7	504.9	508.8	508.1	503.0	498.5	495.9	493.3	495.9
47.5°	307.6	375.7	443.8	465.7	472.1	471.5	463.7	457.3	454.7	452.1	454.7
50°	284.4	351.4	418.5	440.1	446.6	445.9	438.2	431.7	429.2	426.6	429.2
52.5°	268.1	331.1	394.0	413.8	419.2	417.5	408.8	401.6	399.0	396.4	399.0
55°	252.5	305.3	358.2	374.3	378.2	375.6	366.6	358.9	355.0	351.1	355.0
57.5°	215.9	266.2	316.5	332.2	336.3	333.2	322.9	314.0	309.7	305.3	309.7
60°	197.3	242.5	287.6	302.8	307.9	305.3	295.0	285.7	279.2	272.8	279.2
62.5°	176.4	216.4	256.4	271.8	279.0	277.5	267.2	257.8	251.4	244.9	251.4
65°	142.2	177.0	211.8	227.3	236.3	235.7	225.4	216.0	209.6	203.1	209.6
67.5°	111.4	141.4	171.3	186.5	196.8	196.3	184.9	175.1	170.0	164.8	170.0
70°	92.9	118.7	144.4	158.6	169.0	169.0	158.6	149.6	144.4	139.3	144.4
72.5°	81.3	100.9	120.5	133.9	145.2	145.2	133.9	124.3	120.2	116.1	120.2
75°	60.9	72.5	84.2	96.7	109.6	110.9	100.6	92.2	89.6	87.1	89.6
77.5°	44.1	49.5	54.9	64.8	76.2	77.4	68.7	61.8	60.8	59.8	60.8
80°	34.8	36.1	37.4	45.5	55.8	57.1	49.3	43.5	43.5	43.5	43.5
82.5°	23.2	24.5	25.8	31.5	38.8	39.5	33.9	29.3	28.3	27.3	28.3
85°	11.6	11.6	11.6	13.5	16.1	16.1	13.5	11.6	11.6	11.6	11.6
87.5°	2.9	3.7	4.6	6.2	7.8	8.0	6.9	6.4	6.5	6.5	6.5
90°	2.9	6.7	11.5	15.4	18.3	19.2	19.2	20.2	21.1	21.1	21.1
92.5°	10.6	16.7	16.9	16.9	20.6	22.3	23.8	24.0	25.0	25.0	25.0
95°	29.8	32.7	49.0	48.0	32.7	25.9	22.1	22.1	22.1	22.1	22.1
97.5°	56.9	61.1	63.8	85.5	90.3	87.2	71.1	59.8	53.4	50.5	53.4
100°	80.7	82.6	88.4	89.4	113.4	136.4	124.9	110.5	105.7	102.8	105.7
102.5°	104.5	105.7	114.5	118.6	124.1	137.2	177.2	172.8	169.5	168.9	169.5
105°	140.3	141.2	157.6	165.3	169.1	169.1	168.1	187.4	218.1	224.8	218.1
107.5°	178.5	182.9	202.2	222.7	227.1	228.3	223.3	220.4	219.3	220.0	219.3
110°	204.7	211.4	234.4	260.4	267.1	269.0	267.1	264.2	262.3	262.3	262.3



TEST NUMBER: P1435790

CATALOG NUMBER: SQ2W-FA-K-075U-050D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	230.0	239.8	266.0	295.7	307.1	312.8	308.6	306.5	304.6	306.1	304.6
115°	269.0	283.4	318.0	348.8	371.8	374.7	373.8	373.8	372.8	372.8	372.8
117.5°	305.2	328.2	367.0	402.8	429.5	437.2	441.0	439.9	438.7	440.6	438.7
120°	330.5	357.4	401.6	442.0	467.9	479.4	483.3	481.4	483.3	481.4	483.3
122.5°	357.4	390.5	433.9	475.8	506.3	519.4	524.0	524.4	524.8	523.6	524.8
125°	397.8	438.1	489.1	532.3	564.0	579.4	583.2	584.2	586.1	590.9	586.1
127.5°	438.5	484.2	540.2	581.9	614.3	633.0	638.9	641.0	645.1	647.2	645.1
130°	467.0	518.8	575.5	614.9	646.6	666.8	677.4	680.3	685.1	684.1	685.1
132.5°	496.9	551.1	608.6	649.5	678.9	700.6	709.7	717.9	719.6	721.0	719.6
135°	540.9	599.5	657.2	697.5	725.4	746.5	758.1	765.8	770.6	773.4	770.6
137.5°	587.2	649.1	704.5	740.4	768.5	786.7	799.8	807.8	812.8	815.1	812.8
140°	618.8	678.3	732.1	769.6	794.6	812.8	824.4	834.0	839.7	839.7	839.7
142.5°	648.7	707.5	759.8	797.3	819.2	835.9	848.2	855.5	862.0	862.0	862.0
145°	690.8	749.4	797.5	834.9	853.2	868.6	882.0	887.8	891.6	891.6	891.6
147.5°	734.8	786.7	830.5	866.5	881.8	899.9	910.5	915.1	919.9	917.8	919.9
150°	761.0	809.0	851.3	884.9	900.3	917.6	928.1	932.0	936.8	933.9	936.8
152.5°	786.3	832.1	870.5	901.8	914.9	932.2	944.3	948.1	951.4	949.3	951.4
155°	820.5	860.9	896.4	925.3	936.8	953.1	964.6	969.5	973.3	968.5	973.3
157.5°	851.1	885.9	916.8	943.3	955.6	969.6	980.4	986.4	990.2	988.1	990.2
160°	869.5	901.2	929.1	954.1	965.6	978.1	989.6	996.4	1000.2	997.3	1000.2
162.5°	884.9	913.5	939.9	962.5	972.5	983.5	997.3	1003.3	1007.1	1003.5	1007.1
165°	907.0	930.1	953.1	972.3	981.0	989.6	1004.0	1010.8	1013.7	1009.8	1013.7
167.5°	923.7	941.4	960.0	976.6	982.9	991.4	1005.8	1011.3	1015.0	1010.2	1015.0
170°	932.9	948.3	964.6	978.1	982.9	990.6	1005.0	1009.8	1012.7	1007.9	1012.7
172.5°	940.6	952.2	965.4	977.3	979.8	986.0	999.6	1004.4	1006.5	1002.5	1006.5
175°	948.3	955.0	964.6	972.3	971.4	975.2	986.7	990.6	994.4	988.7	994.4
177.5°	952.0	955.0	958.1	962.7	959.7	959.7	968.1	970.4	971.2	968.1	971.2
180°	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2



TEST NUMBER: P1435790

CATALOG NUMBER: SQ2W-FA-K-075U-050D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	748.7	748.7	748.7	748.7	748.7	748.7	748.7	748.7	748.7	748.7	748.7
2.5°	755.6	755.6	755.6	755.6	755.6	754.4	749.2	744.0	744.0	744.0	740.2
5°	766.7	765.1	763.8	761.9	759.3	755.1	746.1	737.1	733.2	729.3	712.9
7.5°	771.6	769.6	767.3	764.2	760.3	754.4	742.2	730.1	712.8	695.5	658.9
10°	769.3	768.0	766.7	764.2	760.3	753.8	739.7	725.5	690.6	655.8	621.0
12.5°	767.0	765.7	764.4	761.3	756.4	748.9	733.7	718.5	669.2	620.0	588.5
15°	760.6	758.4	755.8	752.5	748.7	740.6	720.0	699.3	643.9	588.4	562.0
17.5°	748.9	746.9	744.6	740.9	735.7	725.6	700.6	675.6	617.5	559.5	542.5
20°	737.1	736.1	734.8	731.6	726.4	715.8	688.7	661.6	603.6	545.5	537.8
22.5°	723.4	723.0	722.7	720.0	714.8	703.4	673.2	643.1	586.0	529.0	529.3
25°	700.0	700.3	701.6	698.4	690.6	676.1	641.3	606.5	556.2	505.9	514.6
27.5°	675.0	674.0	672.7	669.5	664.3	649.5	605.7	561.8	522.1	482.4	496.8
30°	658.7	657.8	656.5	653.2	648.1	632.0	583.0	533.9	500.4	466.9	483.6
32.5°	640.2	640.0	639.7	637.5	633.4	615.7	557.4	499.1	474.9	450.6	468.2
35°	612.0	612.3	612.3	611.0	608.4	588.8	517.8	446.9	436.6	426.3	446.9
37.5°	580.0	581.7	583.5	582.5	578.6	555.6	475.1	394.7	398.0	401.4	426.4
40°	556.8	560.1	563.9	563.9	560.1	535.2	447.5	359.8	371.4	383.0	410.1
42.5°	533.6	537.6	542.5	543.0	539.2	514.6	427.9	341.3	353.9	366.5	394.7
45°	498.5	503.0	508.1	508.8	504.9	482.7	405.3	327.9	335.6	343.4	370.5
47.5°	457.3	463.7	471.5	472.1	465.7	443.8	375.7	307.6	313.3	318.9	346.7
50°	431.7	438.2	445.9	446.6	440.1	418.5	351.4	284.4	292.1	299.9	328.9
52.5°	401.6	408.8	417.5	419.2	413.8	394.0	331.1	268.1	272.8	277.4	308.8
55°	358.9	366.6	375.6	378.2	374.3	358.2	305.3	252.5	248.6	244.7	276.6
57.5°	314.0	322.9	333.2	336.3	332.2	316.5	266.2	215.9	212.5	209.2	243.8
60°	285.7	295.0	305.3	307.9	302.8	287.6	242.5	197.3	190.9	184.4	220.5
62.5°	257.8	267.2	277.5	279.0	271.8	256.4	216.4	176.4	172.0	167.7	202.7
65°	216.0	225.4	235.7	236.3	227.3	211.8	177.0	142.2	144.8	147.4	178.9
67.5°	175.1	184.9	196.3	196.8	186.5	171.3	141.4	111.4	119.9	128.5	156.9
70°	149.6	158.6	169.0	169.0	158.6	144.4	118.7	92.9	104.5	116.1	142.2
72.5°	124.3	133.9	145.2	145.2	133.9	120.5	100.9	81.3	92.9	104.5	125.9
75°	92.2	100.6	110.9	109.6	96.7	84.2	72.5	60.9	72.5	84.2	100.6
77.5°	61.8	68.7	77.4	76.2	64.8	54.9	49.5	44.1	53.7	63.2	74.7
80°	43.5	49.3	57.1	55.8	45.5	37.4	36.1	34.8	41.3	47.7	56.1
82.5°	29.3	33.9	39.5	38.8	31.5	25.8	24.5	23.2	28.6	34.0	39.9
85°	11.6	13.5	16.1	16.1	13.5	11.6	11.6	11.6	14.2	16.8	19.3
87.5°	6.4	6.9	8.0	7.8	6.2	4.6	3.7	2.9	4.7	6.5	8.1
90°	20.2	19.2	19.2	18.3	15.4	11.5	6.7	2.9	6.7	10.6	17.3
92.5°	24.0	23.8	22.3	20.6	16.9	16.9	16.7	10.6	18.3	25.9	37.3
95°	22.1	22.1	25.9	32.7	48.0	49.0	32.7	29.8	42.3	59.6	74.9
97.5°	59.8	71.1	87.2	90.3	85.5	63.8	61.1	56.9	77.4	94.5	119.3
100°	110.5	124.9	136.4	113.4	89.4	88.4	82.6	80.7	102.8	119.1	143.2
102.5°	172.8	177.2	137.2	124.1	118.6	114.5	105.7	104.5	126.6	149.1	169.3
105°	187.4	168.1	169.1	169.1	165.3	157.6	141.2	140.3	165.3	191.2	216.2
107.5°	220.4	223.3	228.3	227.1	222.7	202.2	182.9	178.5	201.0	232.1	259.6
110°	264.2	267.1	269.0	267.1	260.4	234.4	211.4	204.7	224.8	257.5	287.3



TEST NUMBER: P1435790

CATALOG NUMBER: SQ2W-FA-K-075U-050D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	306.5	308.6	312.8	307.1	295.7	266.0	239.8	230.0	250.2	283.6	314.2
115°	373.8	373.8	374.7	371.8	348.8	318.0	283.4	269.0	286.3	317.1	350.7
117.5°	439.9	441.0	437.2	429.5	402.8	367.0	328.2	305.2	318.8	351.3	385.9
120°	481.4	483.3	479.4	467.9	442.0	401.6	357.4	330.5	341.1	372.8	407.4
122.5°	524.4	524.0	519.4	506.3	475.8	433.9	390.5	357.4	361.8	391.2	425.1
125°	584.2	583.2	579.4	564.0	532.3	489.1	438.1	397.8	392.0	417.0	451.6
127.5°	641.0	638.9	633.0	614.3	581.9	540.2	484.2	438.5	425.6	441.4	473.1
130°	680.3	677.4	666.8	646.6	614.9	575.5	518.8	467.0	448.7	458.3	486.2
132.5°	717.9	709.7	700.6	678.9	649.5	608.6	551.1	496.9	471.8	476.0	497.7
135°	765.8	758.1	746.5	725.4	697.5	657.2	599.5	540.9	506.3	502.5	515.0
137.5°	807.8	799.8	786.7	768.5	740.4	704.5	649.1	587.2	543.6	530.7	535.6
140°	834.0	824.4	812.8	794.6	769.6	732.1	678.3	618.8	569.8	551.5	548.6
142.5°	855.5	848.2	835.9	819.2	797.3	759.8	707.5	648.7	596.7	573.0	566.3
145°	887.8	882.0	868.6	853.2	834.9	797.5	749.4	690.8	638.9	608.2	593.8
147.5°	915.1	910.5	899.9	881.8	866.5	830.5	786.7	734.8	681.6	643.5	624.9
150°	932.0	928.1	917.6	900.3	884.9	851.3	809.0	761.0	710.0	669.7	645.7
152.5°	948.1	944.3	932.2	914.9	901.8	870.5	832.1	786.3	734.6	694.3	669.5
155°	969.5	964.6	953.1	936.8	925.3	896.4	860.9	820.5	776.3	734.1	706.2
157.5°	986.4	980.4	969.6	955.6	943.3	916.8	885.9	851.1	812.5	772.1	743.7
160°	996.4	989.6	978.1	965.6	954.1	929.1	901.2	869.5	834.0	797.5	766.7
162.5°	1003.3	997.3	983.5	972.5	962.5	939.9	913.5	884.9	853.2	821.3	792.9
165°	1010.8	1004.0	989.6	981.0	972.3	953.1	930.1	907.0	880.1	854.2	831.1
167.5°	1011.3	1005.8	991.4	982.9	976.6	960.0	941.4	923.7	902.8	882.4	863.2
170°	1009.8	1005.0	990.6	982.9	978.1	964.6	948.3	932.9	916.6	899.3	883.9
172.5°	1004.4	999.6	986.0	979.8	977.3	965.4	952.2	940.6	926.6	913.9	901.6
175°	990.6	986.7	975.2	971.4	972.3	964.6	955.0	948.3	939.7	932.0	925.3
177.5°	970.4	968.1	959.7	959.7	962.7	958.1	955.0	952.0	948.1	945.8	943.5
180°	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2



TEST NUMBER: P1435790

CATALOG NUMBER: SQ2W-FA-K-075U-050D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	748.7	748.7	748.7	748.7	748.7	748.7	748.7	748.7	748.7	748.7	748.7
2.5°	735.0	730.9	727.8	725.2	724.2	723.1	724.2	725.2	727.8	730.9	735.0
5°	692.3	670.3	647.1	628.1	621.6	615.2	621.6	628.1	647.1	670.3	692.3
7.5°	615.8	589.4	579.6	571.7	569.7	567.6	569.7	571.7	579.6	589.4	615.8
10°	586.2	564.9	557.2	551.4	551.4	551.4	551.4	551.4	557.2	564.9	586.2
12.5°	563.0	549.9	549.4	550.3	555.5	560.6	555.5	550.3	549.4	549.9	563.0
15°	545.2	547.2	567.8	584.9	591.3	597.8	591.3	584.9	567.8	547.2	545.2
17.5°	539.1	550.2	575.7	596.2	601.3	606.5	601.3	596.2	575.7	550.2	539.1
20°	546.8	561.0	580.4	596.2	601.3	606.5	601.3	596.2	580.4	561.0	546.8
22.5°	548.6	565.9	581.1	593.8	599.0	604.2	599.0	593.8	581.1	565.9	548.6
25°	543.0	563.6	576.5	586.8	589.4	592.0	589.4	586.8	576.5	563.6	543.0
27.5°	529.3	552.0	564.9	575.0	576.8	578.6	576.8	575.0	564.9	552.0	529.3
30°	517.2	540.4	553.3	563.9	567.8	571.7	567.8	563.9	553.3	540.4	517.2
32.5°	499.6	523.4	539.4	551.5	552.3	553.1	552.3	551.5	539.4	523.4	499.6
35°	477.8	502.3	520.4	533.6	532.3	531.0	532.3	533.6	520.4	502.3	477.8
37.5°	458.6	482.6	498.3	510.5	512.1	513.6	512.1	510.5	498.3	482.6	458.6
40°	442.4	466.9	483.6	496.9	499.4	502.0	499.4	496.9	483.6	466.9	442.4
42.5°	427.9	452.9	469.7	482.9	485.5	488.1	485.5	482.9	469.7	452.9	427.9
45°	404.0	429.8	447.9	461.7	463.0	464.3	463.0	461.7	447.9	429.8	404.0
47.5°	381.8	407.7	424.4	437.3	438.6	439.9	438.6	437.3	424.4	407.7	381.8
50°	365.0	391.4	408.2	421.1	422.4	423.7	422.4	421.1	408.2	391.4	365.0
52.5°	349.0	376.5	391.2	402.5	403.8	405.1	403.8	402.5	391.2	376.5	349.0
55°	320.5	349.5	363.7	374.3	374.3	374.3	374.3	374.3	363.7	349.5	320.5
57.5°	291.0	320.8	333.1	342.8	344.4	345.9	344.4	342.8	333.1	320.8	291.0
60°	270.8	301.1	311.5	319.8	322.4	325.0	322.4	319.8	311.5	301.1	270.8
62.5°	251.0	280.3	290.6	298.7	300.2	301.8	300.2	298.7	290.6	280.3	251.0
65°	220.2	246.0	256.3	264.4	265.7	267.0	265.7	264.4	256.3	246.0	220.2
67.5°	192.0	213.1	220.3	226.0	227.1	228.1	227.1	226.0	220.3	213.1	192.0
70°	173.1	191.2	196.4	200.2	200.2	200.2	200.2	200.2	196.4	191.2	173.1
72.5°	150.7	165.7	170.8	175.0	176.0	177.0	176.0	175.0	170.8	165.7	150.7
75°	118.7	129.6	133.5	136.7	138.0	139.3	138.0	136.7	133.5	129.6	118.7
77.5°	86.8	94.0	96.3	98.4	99.7	101.0	99.7	98.4	96.3	94.0	86.8
80°	65.1	70.3	71.6	72.9	74.2	75.4	74.2	72.9	71.6	70.3	65.1
82.5°	45.8	49.4	50.7	51.7	52.0	52.2	52.0	51.7	50.7	49.4	45.8
85°	21.9	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	21.9
87.5°	9.1	10.4	11.8	12.5	13.3	12.9	13.3	12.5	11.8	10.4	9.1
90°	22.1	28.8	35.5	39.4	43.2	41.3	43.2	39.4	35.5	28.8	22.1
92.5°	44.4	55.7	64.0	70.9	74.0	73.6	74.0	70.9	64.0	55.7	44.4
95°	89.4	102.8	116.3	125.9	131.6	129.7	131.6	125.9	116.3	102.8	89.4
97.5°	137.8	155.8	170.8	179.9	185.6	189.5	185.6	179.9	170.8	155.8	137.8
100°	170.1	187.4	204.7	215.2	224.8	228.7	224.8	215.2	204.7	187.4	170.1
102.5°	196.2	218.9	237.7	249.0	257.1	261.0	257.1	249.0	237.7	218.9	196.2
105°	239.2	263.3	283.4	297.8	306.5	309.4	306.5	297.8	283.4	263.3	239.2
107.5°	282.3	307.1	325.7	341.7	352.2	358.4	352.2	341.7	325.7	307.1	282.3
110°	316.1	336.3	356.5	370.9	381.4	385.3	381.4	370.9	356.5	336.3	316.1



TEST NUMBER: P1435790

CATALOG NUMBER: SQ2W-FA-K-075U-050D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	344.5	367.0	387.2	401.6	413.7	419.1	413.7	401.6	387.2	367.0	344.5
115°	384.3	414.1	432.4	445.8	454.5	459.3	454.5	445.8	432.4	414.1	384.3
117.5°	417.4	448.5	468.5	478.9	482.9	486.4	482.9	478.9	468.5	448.5	417.4
120°	438.1	467.0	490.0	503.5	508.3	510.2	508.3	503.5	490.0	467.0	438.1
122.5°	457.3	484.6	506.9	523.4	531.3	533.2	531.3	523.4	506.9	484.6	457.3
125°	484.2	510.2	533.2	549.6	558.2	563.0	558.2	549.6	533.2	510.2	484.2
127.5°	507.7	535.7	556.9	571.7	580.1	584.0	580.1	571.7	556.9	535.7	507.7
130°	520.8	549.6	570.7	587.1	594.7	598.6	594.7	587.1	570.7	549.6	520.8
132.5°	530.7	561.1	583.0	597.8	606.3	610.1	606.3	597.8	583.0	561.1	530.7
135°	542.9	574.6	597.6	612.0	619.7	623.6	619.7	612.0	597.6	574.6	542.9
137.5°	553.4	582.2	606.3	621.4	628.4	630.9	628.4	621.4	606.3	582.2	553.4
140°	561.1	586.1	610.1	624.5	632.2	633.2	632.2	624.5	610.1	586.1	561.1
142.5°	571.1	590.7	611.6	626.1	633.7	635.5	633.7	626.1	611.6	590.7	571.1
145°	589.0	600.5	614.9	628.4	635.1	637.0	635.1	628.4	614.9	600.5	589.0
147.5°	611.5	615.1	622.6	631.4	638.0	639.3	638.0	631.4	622.6	615.1	611.5
150°	628.4	627.4	630.3	636.1	641.8	640.9	641.8	636.1	630.3	627.4	628.4
152.5°	647.6	642.0	641.8	644.5	647.2	647.0	647.2	644.5	641.8	642.0	647.6
155°	680.3	669.7	663.9	662.0	662.0	661.0	662.0	662.0	663.9	669.7	680.3
157.5°	716.2	701.4	692.7	688.1	686.8	684.7	686.8	688.1	692.7	701.4	716.2
160°	740.8	724.4	715.8	708.1	705.2	702.3	705.2	708.1	715.8	724.4	740.8
162.5°	763.8	748.3	738.9	731.9	729.1	724.6	729.1	731.9	738.9	748.3	763.8
165°	801.3	785.0	774.4	768.6	764.8	761.0	764.8	768.6	774.4	785.0	801.3
167.5°	838.8	820.9	814.0	807.5	803.8	796.9	803.8	807.5	814.0	820.9	838.8
170°	861.8	845.5	841.7	835.9	829.2	821.5	829.2	835.9	841.7	845.5	861.8
172.5°	881.8	870.9	867.0	861.3	859.2	853.0	859.2	861.3	867.0	870.9	881.8
175°	910.8	902.2	902.2	901.2	898.4	892.6	898.4	901.2	902.2	902.2	910.8
177.5°	935.1	930.4	933.5	933.5	932.8	927.4	932.8	933.5	933.5	930.4	935.1
180°	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2



TEST NUMBER: P1435790

CATALOG NUMBER: SQ2W-FA-K-075U-050D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	748.7	748.7	748.7	748.7
2.5°	740.2	744.0	744.0	744.0
5°	712.9	729.3	733.2	737.1
7.5°	658.9	695.5	712.8	730.1
10°	621.0	655.8	690.6	725.5
12.5°	588.5	620.0	669.2	718.5
15°	562.0	588.4	643.9	699.3
17.5°	542.5	559.5	617.5	675.6
20°	537.8	545.5	603.6	661.6
22.5°	529.3	529.0	586.0	643.1
25°	514.6	505.9	556.2	606.5
27.5°	496.8	482.4	522.1	561.8
30°	483.6	466.9	500.4	533.9
32.5°	468.2	450.6	474.9	499.1
35°	446.9	426.3	436.6	446.9
37.5°	426.4	401.4	398.0	394.7
40°	410.1	383.0	371.4	359.8
42.5°	394.7	366.5	353.9	341.3
45°	370.5	343.4	335.6	327.9
47.5°	346.7	318.9	313.3	307.6
50°	328.9	299.9	292.1	284.4
52.5°	308.8	277.4	272.8	268.1
55°	276.6	244.7	248.6	252.5
57.5°	243.8	209.2	212.5	215.9
60°	220.5	184.4	190.9	197.3
62.5°	202.7	167.7	172.0	176.4
65°	178.9	147.4	144.8	142.2
67.5°	156.9	128.5	119.9	111.4
70°	142.2	116.1	104.5	92.9
72.5°	125.9	104.5	92.9	81.3
75°	100.6	84.2	72.5	60.9
77.5°	74.7	63.2	53.7	44.1
80°	56.1	47.7	41.3	34.8
82.5°	39.9	34.0	28.6	23.2
85°	19.3	16.8	14.2	11.6
87.5°	8.1	6.5	4.7	2.9
90°	17.3	10.6	6.7	2.9
92.5°	37.3	25.9	18.3	10.6
95°	74.9	59.6	42.3	29.8
97.5°	119.3	94.5	77.4	56.9
100°	143.2	119.1	102.8	80.7
102.5°	169.3	149.1	126.6	104.5
105°	216.2	191.2	165.3	140.3
107.5°	259.6	232.1	201.0	178.5
110°	287.3	257.5	224.8	204.7

TEST NUMBER: P1435790

CATALOG NUMBER: SQ2W-FA-K-075U-050D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
112.5°	314.2	283.6	250.2	230.0
115°	350.7	317.1	286.3	269.0
117.5°	385.9	351.3	318.8	305.2
120°	407.4	372.8	341.1	330.5
122.5°	425.1	391.2	361.8	357.4
125°	451.6	417.0	392.0	397.8
127.5°	473.1	441.4	425.6	438.5
130°	486.2	458.3	448.7	467.0
132.5°	497.7	476.0	471.8	496.9
135°	515.0	502.5	506.3	540.9
137.5°	535.6	530.7	543.6	587.2
140°	548.6	551.5	569.8	618.8
142.5°	566.3	573.0	596.7	648.7
145°	593.8	608.2	638.9	690.8
147.5°	624.9	643.5	681.6	734.8
150°	645.7	669.7	710.0	761.0
152.5°	669.5	694.3	734.6	786.3
155°	706.2	734.1	776.3	820.5
157.5°	743.7	772.1	812.5	851.1
160°	766.7	797.5	834.0	869.5
162.5°	792.9	821.3	853.2	884.9
165°	831.1	854.2	880.1	907.0
167.5°	863.2	882.4	902.8	923.7
170°	883.9	899.3	916.6	932.9
172.5°	901.6	913.9	926.6	940.6
175°	925.3	932.0	939.7	948.3
177.5°	943.5	945.8	948.1	952.0
180°	951.2	951.2	951.2	951.2



TEST NUMBER: P1435790  
 CATALOG NUMBER: SQ2W-FA-K-075U-050D-L930-UNV-STD-W-WM-4

**CIE UGR TABLE:**

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	14.05	14.83	15.09	15.87	17.28	15.25	16.03	16.29	17.07	18.48
	3H	15.13	15.83	16.18	16.88	18.31	16.48	17.18	17.53	18.23	19.66
	4H	15.48	16.14	16.54	17.19	18.63	16.87	17.53	17.93	18.59	20.02
	6H	15.64	16.24	16.71	17.30	18.75	17.03	17.63	18.10	18.69	20.14
	8H	15.67	16.25	16.74	17.32	18.76	17.05	17.63	18.12	18.70	20.14
	12H	15.66	16.21	16.74	17.28	18.74	17.03	17.58	18.11	18.65	20.11
4H	2H	14.91	15.57	15.97	16.62	18.05	15.82	16.48	16.89	17.54	18.97
	3H	16.29	16.84	17.36	17.92	19.36	17.28	17.83	18.35	18.91	20.35
	4H	16.74	17.24	17.82	18.32	19.78	17.75	18.25	18.83	19.33	20.79
	6H	16.96	17.40	18.05	18.49	19.95	17.97	18.40	19.05	19.49	20.95
	8H	17.02	17.42	18.11	18.51	19.99	18.01	18.42	19.10	19.50	20.98
	12H	17.02	17.38	18.12	18.48	19.96	18.00	18.36	19.10	19.46	20.94
8H	4H	17.12	17.52	18.20	18.61	20.08	17.94	18.34	19.03	19.43	20.91
	6H	17.46	17.80	18.57	18.93	20.40	18.25	18.58	19.36	19.71	21.18
	8H	17.58	17.87	18.70	18.98	20.48	18.34	18.63	19.46	19.75	21.24
	12H	17.61	17.87	18.73	18.98	20.51	18.35	18.61	19.47	19.72	21.25
12H	4H	17.11	17.48	18.22	18.58	20.06	17.90	18.27	19.01	19.37	20.85
	6H	17.53	17.82	18.65	18.94	20.43	18.27	18.56	19.38	19.67	21.16
	8H	17.67	17.93	18.80	19.04	20.57	18.37	18.63	19.50	19.74	21.27