

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: P1427703

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

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1427703
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-20)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-F-K-050U-050D-L935-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - FROSTED CONTINUOUS ROLL LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 500 LUMENS PER FOOT
UPLIGHT 500 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

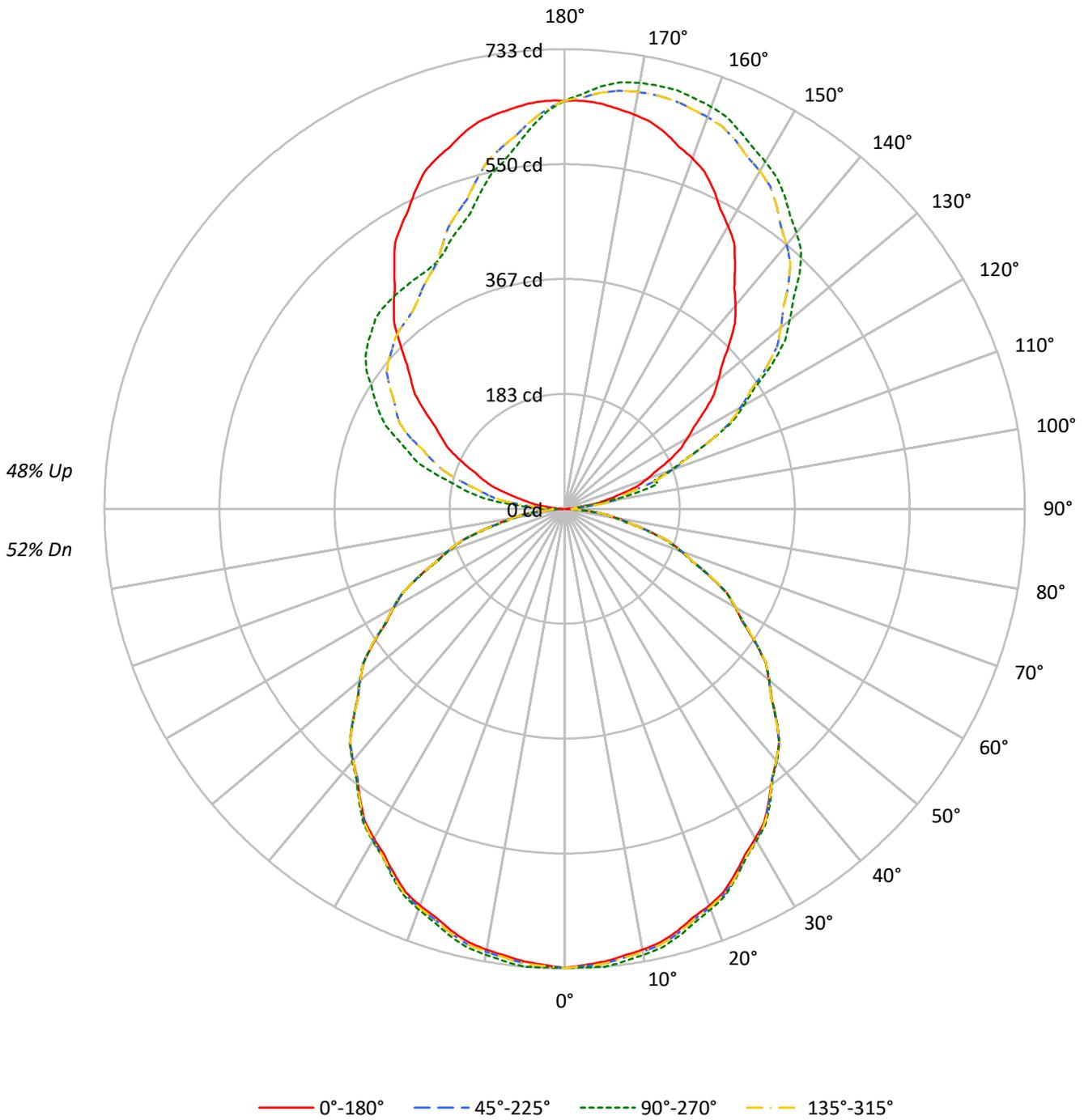
Lumens per Lamp: N/A
Luminaire Lumens: 3963.8 lumens
Efficiency: N/A
Efficacy: 121.2 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.25 / 1.36
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 32.7
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	108	108	108	108	100	100	100	100	84	84	84	71	71	71	58	58	58	52
1	98	94	90	86	91	87	83	80	74	71	69	62	60	59	51	50	49	43
2	89	82	75	70	82	76	70	66	64	60	57	54	51	49	45	43	41	36
3	81	72	64	58	75	66	60	55	57	52	48	48	44	41	39	37	34	30
4	74	63	55	49	68	59	52	46	50	45	40	42	38	35	35	32	30	26
5	68	56	48	42	63	52	45	39	45	39	35	38	34	30	32	28	26	22
6	63	50	42	36	58	47	40	34	40	35	30	34	30	26	29	25	22	20
7	58	45	37	32	53	42	35	30	37	31	27	31	27	23	26	23	20	17
8	54	41	33	28	50	39	31	27	33	28	24	28	24	21	24	20	18	15
9	50	38	30	25	46	35	28	24	31	25	21	26	22	19	22	19	16	14
10	47	34	27	22	43	32	26	21	28	23	19	24	20	17	20	17	15	13

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	11820	11820	11820	11820
5°	11749	11883	11749	11883
10°	11707	11842	11707	11842
15°	11644	11789	11644	11789
20°	11570	11685	11570	11685
25°	11444	11546	11444	11546
30°	11324	11400	11324	11400
35°	11178	11251	11178	11251
40°	11050	11084	11050	11084
45°	10889	10889	10889	10889
50°	10670	10698	10670	10698
55°	10421	10435	10421	10435
60°	10139	10139	10139	10139
65°	9811	9769	9811	9769
70°	9347	9248	9347	9248
75°	8715	8521	8715	8521
80°	7764	7382	7764	7382
85°	6206	5261	6206	5261

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 10962 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.3	1.7
10°-20°	197.9	5.0
20°-30°	297.9	7.5
30°-40°	356.3	9.0
40°-50°	367.9	9.3
50°-60°	331.8	8.4
60°-70°	254.2	6.4
70°-80°	146.9	3.7
80°-90°	40.9	1.0
90°-100°	51.8	1.3
100°-110°	151.1	3.8
110°-120°	246.5	6.2
120°-130°	312.9	7.9
130°-140°	334.8	8.4
140°-150°	312.6	7.9
150°-160°	257.2	6.5
160°-170°	172.5	4.4
170°-180°	61.3	1.5
0°-30°	565.2	14.3
0°-40°	921.5	23.2
0°-60°	1621.2	40.9
0°-90°	2063.2	52.1
90°-120°	449.4	11.3
90°-150°	1409.7	35.6
90°-180°	1901.0	48.0
0°-180°	3963.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	732	732	732	732	732	
5°	725	733	725	733	725	69
15°	697	705	697	705	697	196
25°	642	648	642	648	642	296
35°	567	571	567	571	567	355
45°	477	477	477	477	477	367
55°	370	371	370	371	370	331
65°	257	256	257	256	257	254
75°	140	137	140	137	140	148
85°	34	28	34	28	34	39
90°	2	14	2	28	2	3
95°	20	15	20	89	20	25
105°	96	154	96	212	96	102
115°	184	255	184	314	184	181
125°	272	404	272	385	272	244
135°	370	529	370	427	370	286
145°	473	610	473	436	473	296
155°	562	663	562	452	562	258
165°	621	691	621	521	621	175
175°	649	677	649	611	649	62
180°	651	651	651	651	651	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	732.1	732.1	732.1	732.1	732.1	732.1	732.1	732.1	732.1	732.1	732.1
2.5°	728.4	731.9	735.4	733.9	730.8	729.6	730.3	731.0	731.4	731.7	731.4
5°	724.9	729.5	734.1	732.5	728.8	727.2	727.7	728.6	730.9	733.2	730.9
7.5°	719.0	723.6	728.2	726.7	723.2	721.8	722.3	723.3	725.7	728.1	725.7
10°	714.1	718.7	723.2	721.6	718.0	716.6	717.5	718.7	720.5	722.3	720.5
12.5°	707.9	712.5	717.1	715.7	712.4	711.1	711.6	712.5	714.5	716.6	714.5
15°	696.6	701.1	705.7	704.5	701.3	700.0	700.7	701.7	703.5	705.3	703.5
17.5°	682.8	687.1	691.5	690.3	687.3	686.2	687.0	688.0	689.6	691.2	689.6
20°	673.4	677.5	681.6	680.4	677.4	676.0	676.3	676.8	678.5	680.1	678.5
22.5°	661.8	665.9	670.1	669.0	666.2	664.5	664.0	664.2	666.1	668.1	666.1
25°	642.4	646.5	650.7	649.8	647.3	645.7	645.0	644.9	646.5	648.1	646.5
27.5°	622.2	625.6	629.1	628.4	626.3	625.0	624.5	624.5	625.6	626.7	625.6
30°	607.4	610.8	614.2	613.4	611.1	609.7	609.2	609.2	610.3	611.5	610.3
32.5°	591.7	594.9	598.2	597.0	594.4	593.0	592.9	593.2	594.5	595.8	594.5
35°	567.1	569.9	572.6	571.4	568.9	567.8	568.0	568.5	569.6	570.8	569.6
37.5°	542.5	544.6	546.7	545.5	543.2	542.0	541.9	542.1	543.1	544.0	543.1
40°	524.3	526.6	528.9	527.6	525.1	523.7	523.5	523.6	524.8	525.9	524.8
42.5°	505.8	507.5	509.3	508.1	505.9	504.9	505.1	505.3	505.9	506.5	505.9
45°	476.9	478.5	480.1	479.0	476.9	475.9	475.9	476.0	476.5	476.9	476.5
47.5°	446.7	447.9	449.2	448.3	446.7	445.7	445.5	445.4	446.2	446.9	446.2
50°	424.8	426.4	428.0	427.2	425.6	424.6	424.2	424.0	425.0	425.9	425.0
52.5°	403.4	405.2	407.0	406.2	404.6	403.5	402.8	402.5	403.3	404.0	403.3
55°	370.2	372.3	374.3	373.8	372.4	371.3	370.4	369.8	370.2	370.7	370.2
57.5°	336.3	338.3	340.3	339.9	338.7	337.6	336.5	335.8	336.4	337.1	336.4
60°	314.0	315.8	317.7	317.1	315.7	314.6	313.6	313.1	313.5	314.0	313.5
62.5°	291.3	293.1	295.0	294.3	292.7	291.5	290.5	290.0	290.4	290.9	290.4
65°	256.8	258.4	260.0	259.3	258.0	256.8	255.9	255.3	255.5	255.7	255.5
67.5°	221.9	223.3	224.7	224.0	222.7	221.3	220.0	219.1	219.5	219.8	219.5
70°	198.0	199.4	200.7	200.2	199.1	197.9	196.8	195.9	195.9	195.9	195.9
72.5°	174.9	176.1	177.3	176.6	175.2	174.1	173.1	172.4	172.4	172.4	172.4
75°	139.7	140.4	141.1	140.8	140.1	139.2	138.0	137.1	136.9	136.6	136.9
77.5°	105.8	105.8	105.8	105.1	104.3	103.4	102.5	101.8	101.5	101.3	101.5
80°	83.5	83.5	83.5	83.0	82.3	81.6	80.9	80.3	79.9	79.4	79.9
82.5°	62.9	62.5	62.2	61.6	60.9	60.0	58.9	58.3	58.7	59.2	58.7
85°	33.5	33.1	32.6	32.0	31.3	30.5	29.6	28.8	28.6	28.4	28.6
87.5°	10.7	10.9	11.2	11.2	11.0	10.5	9.8	9.3	9.3	9.1	9.3
90°	2.0	4.6	7.9	10.5	12.5	13.2	13.2	13.8	14.5	14.5	14.5
92.5°	7.2	11.4	11.6	11.6	14.1	15.3	16.3	16.4	17.1	17.1	17.1
95°	20.4	22.4	33.5	32.9	22.4	17.8	15.1	15.1	15.1	15.1	15.1
97.5°	38.9	41.8	43.7	58.5	61.8	59.7	48.7	40.9	36.6	34.6	36.6
100°	55.2	56.5	60.5	61.1	77.6	93.4	85.5	75.6	72.3	70.4	72.3
102.5°	71.5	72.3	78.4	81.1	85.0	93.9	121.2	118.2	116.0	115.6	116.0
105°	96.0	96.7	107.8	113.1	115.7	115.7	115.1	128.2	149.3	153.9	149.3
107.5°	122.2	125.2	138.3	152.4	155.4	156.2	152.8	150.8	150.0	150.6	150.0
110°	140.1	144.7	160.4	178.2	182.8	184.1	182.8	180.8	179.5	179.5	179.5



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	157.4	164.1	182.0	202.4	210.1	214.1	211.2	209.8	208.4	209.5	208.4
115°	184.1	194.0	217.6	238.7	254.5	256.4	255.8	255.8	255.1	255.1	255.1
117.5°	208.8	224.6	251.2	275.6	293.9	299.2	301.8	301.0	300.2	301.5	300.2
120°	226.2	244.6	274.8	302.5	320.2	328.1	330.7	329.4	330.7	329.4	330.7
122.5°	244.6	267.2	296.9	325.6	346.5	355.5	358.6	358.9	359.1	358.4	359.1
125°	272.2	299.8	334.7	364.3	386.0	396.5	399.1	399.8	401.1	404.4	401.1
127.5°	300.1	331.4	369.7	398.2	420.4	433.2	437.3	438.7	441.5	442.9	441.5
130°	319.6	355.1	393.9	420.8	442.5	456.3	463.6	465.5	468.8	468.2	468.8
132.5°	340.1	377.2	416.5	444.5	464.6	479.5	485.6	491.3	492.5	493.4	492.5
135°	370.2	410.3	449.7	477.4	496.4	510.9	518.8	524.0	527.3	529.3	527.3
137.5°	401.9	444.2	482.1	506.7	525.9	538.4	547.3	552.8	556.3	557.8	556.3
140°	423.4	464.2	501.0	526.7	543.8	556.3	564.2	570.7	574.7	574.7	574.7
142.5°	444.0	484.2	520.0	545.6	560.6	572.0	580.5	585.5	589.9	589.9	589.9
145°	472.8	512.9	545.7	571.4	583.9	594.4	603.6	607.6	610.2	610.2	610.2
147.5°	502.9	538.4	568.4	593.0	603.5	615.8	623.1	626.2	629.5	628.1	629.5
150°	520.8	553.6	582.6	605.6	616.1	627.9	635.2	637.8	641.1	639.1	641.1
152.5°	538.1	569.4	595.7	617.2	626.1	637.9	646.2	648.8	651.1	649.6	651.1
155°	561.5	589.1	613.5	633.2	641.1	652.3	660.2	663.4	666.1	662.8	666.1
157.5°	582.4	606.2	627.4	645.6	654.0	663.6	670.9	675.0	677.6	676.2	677.6
160°	595.1	616.8	635.8	652.9	660.8	669.4	677.3	681.9	684.5	682.5	684.5
162.5°	605.6	625.2	643.2	658.7	665.5	673.0	682.5	686.6	689.2	686.7	689.2
165°	620.7	636.5	652.3	665.4	671.3	677.3	687.1	691.7	693.7	691.1	693.7
167.5°	632.1	644.2	657.0	668.3	672.6	678.4	688.3	692.1	694.6	691.3	694.6
170°	638.5	649.0	660.2	669.4	672.6	677.9	687.8	691.1	693.0	689.7	693.0
172.5°	643.7	651.6	660.7	668.8	670.5	674.8	684.1	687.4	688.8	686.1	688.8
175°	649.0	653.6	660.2	665.4	664.8	667.4	675.3	677.9	680.5	676.6	680.5
177.5°	651.5	653.6	655.7	658.8	656.7	656.7	662.5	664.1	664.6	662.5	664.6
180°	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	732.1	732.1	732.1	732.1	732.1	732.1	732.1	732.1	732.1	732.1	732.1
2.5°	731.0	730.3	729.6	730.8	733.9	735.4	731.9	728.4	731.9	735.4	733.9
5°	728.6	727.7	727.2	728.8	732.5	734.1	729.5	724.9	729.5	734.1	732.5
7.5°	723.3	722.3	721.8	723.2	726.7	728.2	723.6	719.0	723.6	728.2	726.7
10°	718.7	717.5	716.6	718.0	721.6	723.2	718.7	714.1	718.7	723.2	721.6
12.5°	712.5	711.6	711.1	712.4	715.7	717.1	712.5	707.9	712.5	717.1	715.7
15°	701.7	700.7	700.0	701.3	704.5	705.7	701.1	696.6	701.1	705.7	704.5
17.5°	688.0	687.0	686.2	687.3	690.3	691.5	687.1	682.8	687.1	691.5	690.3
20°	676.8	676.3	676.0	677.4	680.4	681.6	677.5	673.4	677.5	681.6	680.4
22.5°	664.2	664.0	664.5	666.2	669.0	670.1	665.9	661.8	665.9	670.1	669.0
25°	644.9	645.0	645.7	647.3	649.8	650.7	646.5	642.4	646.5	650.7	649.8
27.5°	624.5	624.5	625.0	626.3	628.4	629.1	625.6	622.2	625.6	629.1	628.4
30°	609.2	609.2	609.7	611.1	613.4	614.2	610.8	607.4	610.8	614.2	613.4
32.5°	593.2	592.9	593.0	594.4	597.0	598.2	594.9	591.7	594.9	598.2	597.0
35°	568.5	568.0	567.8	568.9	571.4	572.6	569.9	567.1	569.9	572.6	571.4
37.5°	542.1	541.9	542.0	543.2	545.5	546.7	544.6	542.5	544.6	546.7	545.5
40°	523.6	523.5	523.7	525.1	527.6	528.9	526.6	524.3	526.6	528.9	527.6
42.5°	505.3	505.1	504.9	505.9	508.1	509.3	507.5	505.8	507.5	509.3	508.1
45°	476.0	475.9	475.9	476.9	479.0	480.1	478.5	476.9	478.5	480.1	479.0
47.5°	445.4	445.5	445.7	446.7	448.3	449.2	447.9	446.7	447.9	449.2	448.3
50°	424.0	424.2	424.6	425.6	427.2	428.0	426.4	424.8	426.4	428.0	427.2
52.5°	402.5	402.8	403.5	404.6	406.2	407.0	405.2	403.4	405.2	407.0	406.2
55°	369.8	370.4	371.3	372.4	373.8	374.3	372.3	370.2	372.3	374.3	373.8
57.5°	335.8	336.5	337.6	338.7	339.9	340.3	338.3	336.3	338.3	340.3	339.9
60°	313.1	313.6	314.6	315.7	317.1	317.7	315.8	314.0	315.8	317.7	317.1
62.5°	290.0	290.5	291.5	292.7	294.3	295.0	293.1	291.3	293.1	295.0	294.3
65°	255.3	255.9	256.8	258.0	259.3	260.0	258.4	256.8	258.4	260.0	259.3
67.5°	219.1	220.0	221.3	222.7	224.0	224.7	223.3	221.9	223.3	224.7	224.0
70°	195.9	196.8	197.9	199.1	200.2	200.7	199.4	198.0	199.4	200.7	200.2
72.5°	172.4	173.1	174.1	175.2	176.6	177.3	176.1	174.9	176.1	177.3	176.6
75°	137.1	138.0	139.2	140.1	140.8	141.1	140.4	139.7	140.4	141.1	140.8
77.5°	101.8	102.5	103.4	104.3	105.1	105.8	105.8	105.8	105.8	105.8	105.1
80°	80.3	80.9	81.6	82.3	83.0	83.5	83.5	83.5	83.5	83.5	83.0
82.5°	58.3	58.9	60.0	60.9	61.6	62.2	62.5	62.9	62.5	62.2	61.6
85°	28.8	29.6	30.5	31.3	32.0	32.6	33.1	33.5	33.1	32.6	32.0
87.5°	9.3	9.8	10.5	11.0	11.2	11.2	10.9	10.7	10.9	11.0	11.4
90°	13.8	13.2	13.2	12.5	10.5	7.9	4.6	2.0	4.6	7.2	11.8
92.5°	16.4	16.3	15.3	14.1	11.6	11.6	11.4	7.2	12.5	17.8	25.5
95°	15.1	15.1	17.8	22.4	32.9	33.5	22.4	20.4	28.9	40.8	51.3
97.5°	40.9	48.7	59.7	61.8	58.5	43.7	41.8	38.9	53.0	64.7	81.7
100°	75.6	85.5	93.4	77.6	61.1	60.5	56.5	55.2	70.4	81.5	98.0
102.5°	118.2	121.2	93.9	85.0	81.1	78.4	72.3	71.5	86.7	102.0	115.9
105°	128.2	115.1	115.7	115.7	113.1	107.8	96.7	96.0	113.1	130.8	147.9
107.5°	150.8	152.8	156.2	155.4	152.4	138.3	125.2	122.2	137.6	158.9	177.7
110°	180.8	182.8	184.1	182.8	178.2	160.4	144.7	140.1	153.9	176.2	196.6



TEST NUMBER: P1427703

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

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	209.8	211.2	214.1	210.1	202.4	182.0	164.1	157.4	171.2	194.1	215.0
115°	255.8	255.8	256.4	254.5	238.7	217.6	194.0	184.1	195.9	217.0	240.0
117.5°	301.0	301.8	299.2	293.9	275.6	251.2	224.6	208.8	218.2	240.4	264.1
120°	329.4	330.7	328.1	320.2	302.5	274.8	244.6	226.2	233.4	255.1	278.8
122.5°	358.9	358.6	355.5	346.5	325.6	296.9	267.2	244.6	247.6	267.7	290.9
125°	399.8	399.1	396.5	386.0	364.3	334.7	299.8	272.2	268.3	285.4	309.0
127.5°	438.7	437.3	433.2	420.4	398.2	369.7	331.4	300.1	291.3	302.1	323.8
130°	465.5	463.6	456.3	442.5	420.8	393.9	355.1	319.6	307.1	313.6	332.7
132.5°	491.3	485.6	479.5	464.6	444.5	416.5	377.2	340.1	322.8	325.7	340.6
135°	524.0	518.8	510.9	496.4	477.4	449.7	410.3	370.2	346.5	343.9	352.4
137.5°	552.8	547.3	538.4	525.9	506.7	482.1	444.2	401.9	372.0	363.2	366.5
140°	570.7	564.2	556.3	543.8	526.7	501.0	464.2	423.4	389.9	377.4	375.4
142.5°	585.5	580.5	572.0	560.6	545.6	520.0	484.2	444.0	408.3	392.1	387.5
145°	607.6	603.6	594.4	583.9	571.4	545.7	512.9	472.8	437.3	416.2	406.4
147.5°	626.2	623.1	615.8	603.5	593.0	568.4	538.4	502.9	466.4	440.4	427.7
150°	637.8	635.2	627.9	616.1	605.6	582.6	553.6	520.8	485.9	458.3	441.9
152.5°	648.8	646.2	637.9	626.1	617.2	595.7	569.4	538.1	502.7	475.1	458.2
155°	663.4	660.2	652.3	641.1	633.2	613.5	589.1	561.5	531.3	502.3	483.3
157.5°	675.0	670.9	663.6	654.0	645.6	627.4	606.2	582.4	556.0	528.4	508.9
160°	681.9	677.3	669.4	660.8	652.9	635.8	616.8	595.1	570.7	545.7	524.7
162.5°	686.6	682.5	673.0	665.5	658.7	643.2	625.2	605.6	583.9	562.1	542.6
165°	691.7	687.1	677.3	671.3	665.4	652.3	636.5	620.7	602.3	584.5	568.8
167.5°	692.1	688.3	678.4	672.6	668.3	657.0	644.2	632.1	617.8	603.9	590.7
170°	691.1	687.8	677.9	672.6	669.4	660.2	649.0	638.5	627.3	615.4	604.9
172.5°	687.4	684.1	674.8	670.5	668.8	660.7	651.6	643.7	634.1	625.4	617.0
175°	677.9	675.3	667.4	664.8	665.4	660.2	653.6	649.0	643.1	637.8	633.2
177.5°	664.1	662.5	656.7	656.7	658.8	655.7	653.6	651.5	648.8	647.3	645.7
180°	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9



TEST NUMBER: P1427703

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	732.1	732.1	732.1	732.1	732.1	732.1	732.1	732.1	732.1	732.1	732.1
2.5°	730.8	729.6	730.3	731.0	731.4	731.7	731.4	731.0	730.3	729.6	730.8
5°	728.8	727.2	727.7	728.6	730.9	733.2	730.9	728.6	727.7	727.2	728.8
7.5°	723.2	721.8	722.3	723.3	725.7	728.1	725.7	723.3	722.3	721.8	723.2
10°	718.0	716.6	717.5	718.7	720.5	722.3	720.5	718.7	717.5	716.6	718.0
12.5°	712.4	711.1	711.6	712.5	714.5	716.6	714.5	712.5	711.6	711.1	712.4
15°	701.3	700.0	700.7	701.7	703.5	705.3	703.5	701.7	700.7	700.0	701.3
17.5°	687.3	686.2	687.0	688.0	689.6	691.2	689.6	688.0	687.0	686.2	687.3
20°	677.4	676.0	676.3	676.8	678.5	680.1	678.5	676.8	676.3	676.0	677.4
22.5°	666.2	664.5	664.0	664.2	666.1	668.1	666.1	664.2	664.0	664.5	666.2
25°	647.3	645.7	645.0	644.9	646.5	648.1	646.5	644.9	645.0	645.7	647.3
27.5°	626.3	625.0	624.5	624.5	625.6	626.7	625.6	624.5	624.5	625.0	626.3
30°	611.1	609.7	609.2	609.2	610.3	611.5	610.3	609.2	609.2	609.7	611.1
32.5°	594.4	593.0	592.9	593.2	594.5	595.8	594.5	593.2	592.9	593.0	594.4
35°	568.9	567.8	568.0	568.5	569.6	570.8	569.6	568.5	568.0	567.8	568.9
37.5°	543.2	542.0	541.9	542.1	543.1	544.0	543.1	542.1	541.9	542.0	543.2
40°	525.1	523.7	523.5	523.6	524.8	525.9	524.8	523.6	523.5	523.7	525.1
42.5°	505.9	504.9	505.1	505.3	505.9	506.5	505.9	505.3	505.1	504.9	505.9
45°	476.9	475.9	475.9	476.0	476.5	476.9	476.5	476.0	475.9	475.9	476.9
47.5°	446.7	445.7	445.5	445.4	446.2	446.9	446.2	445.4	445.5	445.7	446.7
50°	425.6	424.6	424.2	424.0	425.0	425.9	425.0	424.0	424.2	424.6	425.6
52.5°	404.6	403.5	402.8	402.5	403.3	404.0	403.3	402.5	402.8	403.5	404.6
55°	372.4	371.3	370.4	369.8	370.2	370.7	370.2	369.8	370.4	371.3	372.4
57.5°	338.7	337.6	336.5	335.8	336.4	337.1	336.4	335.8	336.5	337.6	338.7
60°	315.7	314.6	313.6	313.1	313.5	314.0	313.5	313.1	313.6	314.6	315.7
62.5°	292.7	291.5	290.5	290.0	290.4	290.9	290.4	290.0	290.5	291.5	292.7
65°	258.0	256.8	255.9	255.3	255.5	255.7	255.5	255.3	255.9	256.8	258.0
67.5°	222.7	221.3	220.0	219.1	219.5	219.8	219.5	219.1	220.0	221.3	222.7
70°	199.1	197.9	196.8	195.9	195.9	195.9	195.9	195.9	196.8	197.9	199.1
72.5°	175.2	174.1	173.1	172.4	172.4	172.4	172.4	172.4	173.1	174.1	175.2
75°	140.1	139.2	138.0	137.1	136.9	136.6	136.9	137.1	138.0	139.2	140.1
77.5°	104.3	103.4	102.5	101.8	101.5	101.3	101.5	101.8	102.5	103.4	104.3
80°	82.3	81.6	80.9	80.3	79.9	79.4	79.9	80.3	80.9	81.6	82.3
82.5°	60.9	60.0	58.9	58.3	58.7	59.2	58.7	58.3	58.9	60.0	60.9
85°	31.3	30.5	29.6	28.8	28.6	28.4	28.6	28.8	29.6	30.5	31.3
87.5°	11.5	11.8	12.0	11.9	12.3	11.8	12.3	11.9	12.0	11.8	11.5
90°	15.1	19.7	24.3	27.0	29.6	28.3	29.6	27.0	24.3	19.7	15.1
92.5°	30.4	38.1	43.8	48.5	50.6	50.4	50.6	48.5	43.8	38.1	30.4
95°	61.1	70.4	79.6	86.1	90.1	88.8	90.1	86.1	79.6	70.4	61.1
97.5°	94.3	106.7	116.9	123.1	127.0	129.7	127.0	123.1	116.9	106.7	94.3
100°	116.4	128.2	140.1	147.3	153.9	156.5	153.9	147.3	140.1	128.2	116.4
102.5°	134.3	149.8	162.7	170.4	176.0	178.6	176.0	170.4	162.7	149.8	134.3
105°	163.7	180.2	194.0	203.8	209.8	211.7	209.8	203.8	194.0	180.2	163.7
107.5°	193.2	210.1	222.9	233.8	241.0	245.3	241.0	233.8	222.9	210.1	193.2
110°	216.3	230.1	243.9	253.8	261.0	263.7	261.0	253.8	243.9	230.1	216.3



TEST NUMBER: P1427703

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	235.8	251.2	265.0	274.8	283.1	286.8	283.1	274.8	265.0	251.2	235.8
115°	263.0	283.4	295.9	305.1	311.0	314.3	311.0	305.1	295.9	283.4	263.0
117.5°	285.6	306.9	320.6	327.7	330.5	332.8	330.5	327.7	320.6	306.9	285.6
120°	299.8	319.6	335.3	344.5	347.8	349.1	347.8	344.5	335.3	319.6	299.8
122.5°	313.0	331.7	346.9	358.2	363.6	364.9	363.6	358.2	346.9	331.7	313.0
125°	331.4	349.1	364.9	376.1	382.0	385.3	382.0	376.1	364.9	349.1	331.4
127.5°	347.4	366.6	381.1	391.2	397.0	399.6	397.0	391.2	381.1	366.6	347.4
130°	356.4	376.1	390.6	401.7	407.0	409.6	407.0	401.7	390.6	376.1	356.4
132.5°	363.2	384.0	399.0	409.1	414.9	417.5	414.9	409.1	399.0	384.0	363.2
135°	371.5	393.2	409.0	418.8	424.1	426.7	424.1	418.8	409.0	393.2	371.5
137.5°	378.7	398.5	414.9	425.3	430.0	431.7	430.0	425.3	414.9	398.5	378.7
140°	384.0	401.1	417.5	427.4	432.7	433.3	432.7	427.4	401.1	384.0	384.0
142.5°	390.8	404.2	418.6	428.4	433.7	434.9	433.7	428.4	418.6	404.2	390.8
145°	403.1	411.0	420.8	430.0	434.6	435.9	434.6	430.0	420.8	411.0	403.1
147.5°	418.4	420.9	426.1	432.1	436.6	437.5	436.6	432.1	426.1	420.9	418.4
150°	430.0	429.4	431.3	435.3	439.2	438.6	439.2	435.3	431.3	429.4	430.0
152.5°	443.2	439.4	439.2	441.1	442.9	442.8	442.9	441.1	439.2	439.4	443.2
155°	465.5	458.3	454.3	453.0	453.0	452.4	453.0	453.0	454.3	458.3	465.5
157.5°	490.1	480.0	474.1	470.9	470.0	468.6	470.0	470.9	474.1	480.0	490.1
160°	507.0	495.8	489.9	484.6	482.6	480.7	482.6	484.6	489.9	495.8	507.0
162.5°	522.7	512.1	505.6	500.9	498.9	495.9	498.9	500.9	505.6	512.1	522.7
165°	548.4	537.2	530.0	526.0	523.4	520.8	523.4	526.0	530.0	537.2	548.4
167.5°	574.0	561.8	557.1	552.6	550.1	545.4	550.1	552.6	557.1	561.8	574.0
170°	589.8	578.6	576.0	572.0	567.4	562.2	567.4	572.0	576.0	578.6	589.8
172.5°	603.5	596.0	593.4	589.4	588.0	583.8	588.0	589.4	593.4	596.0	603.5
175°	623.3	617.4	617.4	616.8	614.8	610.8	614.8	616.8	617.4	617.4	623.3
177.5°	639.9	636.7	638.9	638.9	638.3	634.6	638.3	638.9	638.9	636.7	639.9
180°	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9



TEST NUMBER: P1427703

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	732.1	732.1	732.1	732.1
2.5°	733.9	735.4	731.9	728.4
5°	732.5	734.1	729.5	724.9
7.5°	726.7	728.2	723.6	719.0
10°	721.6	723.2	718.7	714.1
12.5°	715.7	717.1	712.5	707.9
15°	704.5	705.7	701.1	696.6
17.5°	690.3	691.5	687.1	682.8
20°	680.4	681.6	677.5	673.4
22.5°	669.0	670.1	665.9	661.8
25°	649.8	650.7	646.5	642.4
27.5°	628.4	629.1	625.6	622.2
30°	613.4	614.2	610.8	607.4
32.5°	597.0	598.2	594.9	591.7
35°	571.4	572.6	569.9	567.1
37.5°	545.5	546.7	544.6	542.5
40°	527.6	528.9	526.6	524.3
42.5°	508.1	509.3	507.5	505.8
45°	479.0	480.1	478.5	476.9
47.5°	448.3	449.2	447.9	446.7
50°	427.2	428.0	426.4	424.8
52.5°	406.2	407.0	405.2	403.4
55°	373.8	374.3	372.3	370.2
57.5°	339.9	340.3	338.3	336.3
60°	317.1	317.7	315.8	314.0
62.5°	294.3	295.0	293.1	291.3
65°	259.3	260.0	258.4	256.8
67.5°	224.0	224.7	223.3	221.9
70°	200.2	200.7	199.4	198.0
72.5°	176.6	177.3	176.1	174.9
75°	140.8	141.1	140.4	139.7
77.5°	105.1	105.8	105.8	105.8
80°	83.0	83.5	83.5	83.5
82.5°	61.6	62.2	62.5	62.9
85°	32.0	32.6	33.1	33.5
87.5°	11.4	11.0	10.9	10.7
90°	11.8	7.2	4.6	2.0
92.5°	25.5	17.8	12.5	7.2
95°	51.3	40.8	28.9	20.4
97.5°	81.7	64.7	53.0	38.9
100°	98.0	81.5	70.4	55.2
102.5°	115.9	102.0	86.7	71.5
105°	147.9	130.8	113.1	96.0
107.5°	177.7	158.9	137.6	122.2
110°	196.6	176.2	153.9	140.1



TEST NUMBER: P1427703

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	215.0	194.1	171.2	157.4
115°	240.0	217.0	195.9	184.1
117.5°	264.1	240.4	218.2	208.8
120°	278.8	255.1	233.4	226.2
122.5°	290.9	267.7	247.6	244.6
125°	309.0	285.4	268.3	272.2
127.5°	323.8	302.1	291.3	300.1
130°	332.7	313.6	307.1	319.6
132.5°	340.6	325.7	322.8	340.1
135°	352.4	343.9	346.5	370.2
137.5°	366.5	363.2	372.0	401.9
140°	375.4	377.4	389.9	423.4
142.5°	387.5	392.1	408.3	444.0
145°	406.4	416.2	437.3	472.8
147.5°	427.7	440.4	466.4	502.9
150°	441.9	458.3	485.9	520.8
152.5°	458.2	475.1	502.7	538.1
155°	483.3	502.3	531.3	561.5
157.5°	508.9	528.4	556.0	582.4
160°	524.7	545.7	570.7	595.1
162.5°	542.6	562.1	583.9	605.6
165°	568.8	584.5	602.3	620.7
167.5°	590.7	603.9	617.8	632.1
170°	604.9	615.4	627.3	638.5
172.5°	617.0	625.4	634.1	643.7
175°	633.2	637.8	643.1	649.0
177.5°	645.7	647.3	648.8	651.5
180°	650.9	650.9	650.9	650.9



TEST NUMBER: P1427703
 CATALOG NUMBER: SQ2W-F-K-050U-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	16.63	17.52	17.57	18.48	19.72	16.54	17.44	17.48	18.39	19.63
	3H	18.42	19.22	19.37	20.19	21.45	18.32	19.12	19.27	20.09	21.35
	4H	19.12	19.88	20.08	20.85	22.12	19.00	19.76	19.97	20.73	22.00
	6H	19.56	20.26	20.53	21.23	22.52	19.42	20.12	20.39	21.09	22.38
	8H	19.72	20.39	20.70	21.38	22.66	19.56	20.23	20.54	21.22	22.50
	12H	19.80	20.44	20.79	21.42	22.73	19.63	20.26	20.61	21.25	22.56
4H	2H	17.21	17.97	18.18	18.94	20.21	17.15	17.91	18.12	18.88	20.15
	3H	19.24	19.87	20.22	20.87	22.16	19.14	19.78	20.12	20.78	22.06
	4H	20.05	20.63	21.04	21.63	22.94	19.94	20.52	20.93	21.51	22.82
	6H	20.61	21.11	21.61	22.12	23.43	20.47	20.97	21.47	21.98	23.29
	8H	20.82	21.29	21.82	22.30	23.62	20.66	21.13	21.66	22.14	23.46
	12H	20.94	21.36	21.96	22.39	23.71	20.75	21.17	21.77	22.20	23.53
8H	4H	20.30	20.77	21.30	21.78	23.10	20.20	20.67	21.20	21.68	23.00
	6H	20.99	21.38	22.02	22.43	23.75	20.86	21.25	21.89	22.30	23.62
	8H	21.30	21.64	22.33	22.67	24.01	21.14	21.48	22.17	22.52	23.86
	12H	21.48	21.78	22.52	22.81	24.20	21.29	21.59	22.33	22.62	24.00
12H	4H	20.30	20.72	21.32	21.74	23.07	20.20	20.63	21.22	21.65	22.98
	6H	21.04	21.38	22.07	22.42	23.76	20.92	21.26	21.95	22.29	23.63
	8H	21.38	21.68	22.41	22.71	24.09	21.23	21.53	22.26	22.56	23.94