

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: P1427702

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

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1427702
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-L930-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: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

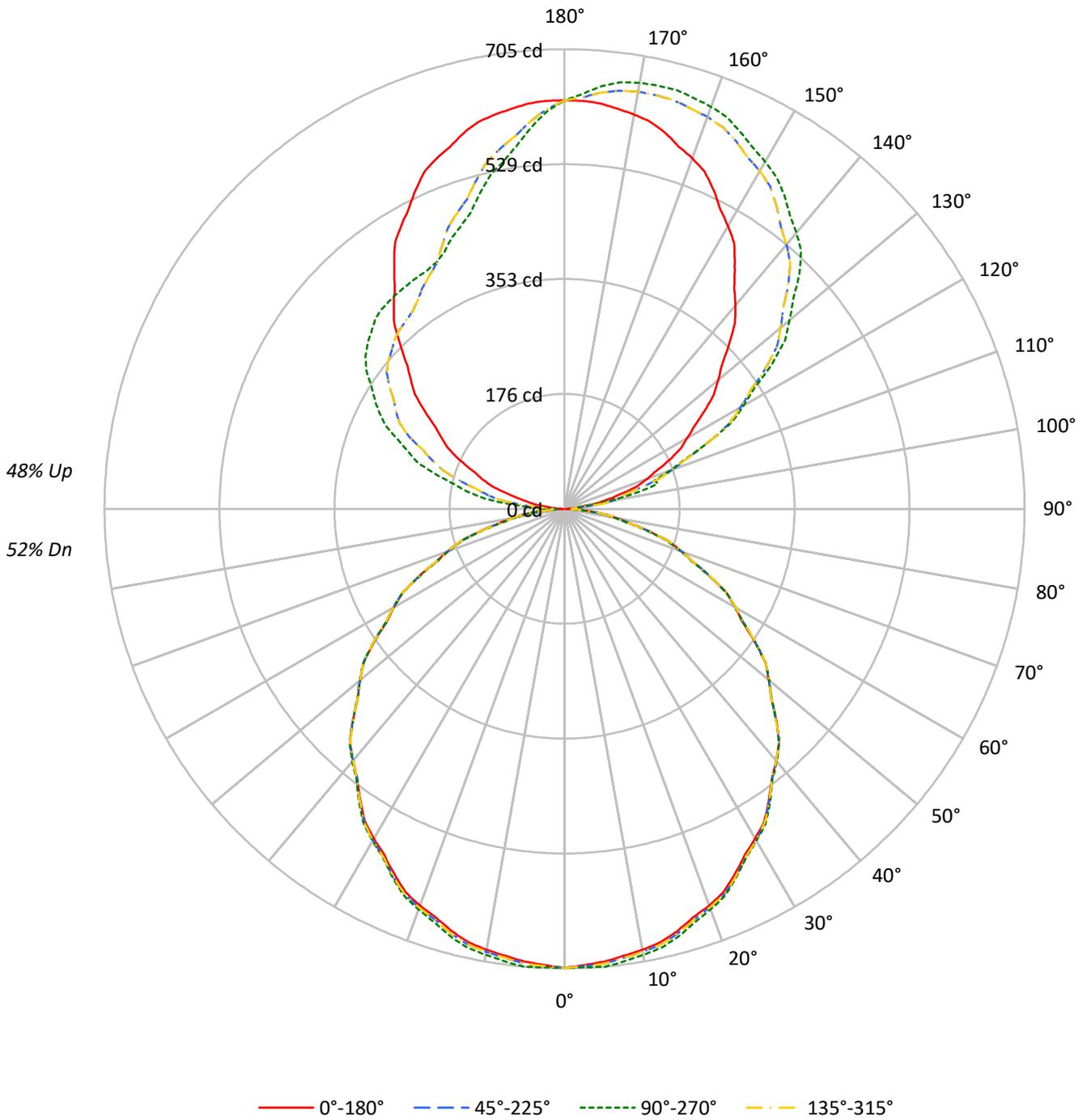
Lumens per Lamp: N/A
Luminaire Lumens: 3812.4 lumens
Efficiency: N/A
Efficacy: 116.6 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.25 / 1.36
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

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	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°	11370	11370	11370	11370
5°	11300	11429	11300	11429
10°	11260	11389	11260	11389
15°	11197	11340	11197	11340
20°	11127	11239	11127	11239
25°	11008	11104	11008	11104
30°	10891	10964	10891	10964
35°	10752	10819	10752	10819
40°	10629	10661	10629	10661
45°	10474	10474	10474	10474
50°	10263	10288	10263	10288
55°	10021	10035	10021	10035
60°	9752	9752	9752	9752
65°	9436	9398	9436	9398
70°	8988	8894	8988	8894
75°	8384	8197	8384	8197
80°	7466	7104	7466	7104
85°	5965	5057	5965	5057

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 10544 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.6	1.7
10°-20°	190.4	5.0
20°-30°	286.6	7.5
30°-40°	342.7	9.0
40°-50°	353.9	9.3
50°-60°	319.2	8.4
60°-70°	244.5	6.4
70°-80°	141.3	3.7
80°-90°	39.3	1.0
90°-100°	49.8	1.3
100°-110°	145.3	3.8
110°-120°	237.1	6.2
120°-130°	300.9	7.9
130°-140°	322.0	8.4
140°-150°	300.7	7.9
150°-160°	247.4	6.5
160°-170°	165.9	4.4
170°-180°	58.9	1.5
0°-30°	543.6	14.3
0°-40°	886.2	23.2
0°-60°	1559.3	40.9
0°-90°	1984.3	52.1
90°-120°	432.3	11.3
90°-150°	1355.8	35.6
90°-180°	1828.0	47.9
0°-180°	3812.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	704	704	704	704	704	
5°	697	705	697	705	697	66
15°	670	678	670	678	670	189
25°	618	623	618	623	618	285
35°	546	549	546	549	546	341
45°	459	459	459	459	459	353
55°	356	356	356	356	356	318
65°	247	246	247	246	247	244
75°	134	131	134	131	134	142
85°	32	27	32	27	32	38
90°	2	14	2	27	2	3
95°	20	14	20	85	20	24
105°	92	148	92	204	92	98
115°	177	245	177	302	177	175
125°	262	389	262	371	262	234
135°	356	509	356	410	356	275
145°	455	587	455	419	455	285
155°	540	638	540	435	540	248
165°	597	665	597	501	597	168
175°	624	651	624	588	624	59
180°	626	626	626	626	626	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	704.2	704.2	704.2	704.2	704.2	704.2	704.2	704.2	704.2	704.2	704.2
2.5°	700.6	703.9	707.3	705.9	702.9	701.7	702.4	703.1	703.4	703.8	703.4
5°	697.2	701.6	706.0	704.5	701.0	699.4	699.9	700.7	702.9	705.2	702.9
7.5°	691.6	696.0	700.4	699.0	695.6	694.2	694.7	695.7	698.0	700.3	698.0
10°	686.8	691.2	695.6	694.1	690.6	689.2	690.1	691.2	693.0	694.7	693.0
12.5°	680.9	685.3	689.7	688.4	685.2	683.9	684.4	685.3	687.2	689.2	687.2
15°	669.9	674.4	678.8	677.5	674.5	673.3	673.9	674.8	676.6	678.4	676.6
17.5°	656.8	660.9	665.0	663.9	661.1	660.0	660.8	661.7	663.2	664.8	663.2
20°	647.6	651.6	655.6	654.4	651.5	650.2	650.4	651.0	652.5	654.1	652.5
22.5°	636.5	640.5	644.5	643.4	640.7	639.2	638.7	638.8	640.7	642.6	640.7
25°	617.9	621.8	625.8	625.0	622.6	621.0	620.4	620.2	621.8	623.3	621.8
27.5°	598.4	601.7	605.0	604.4	602.3	601.1	600.7	600.6	601.7	602.8	601.7
30°	584.2	587.5	590.8	589.9	587.7	586.4	586.0	585.9	587.0	588.1	587.0
32.5°	569.1	572.2	575.3	574.2	571.6	570.3	570.2	570.5	571.8	573.0	571.8
35°	545.5	548.1	550.8	549.6	547.2	546.1	546.3	546.7	547.8	548.9	547.8
37.5°	521.8	523.8	525.8	524.6	522.4	521.3	521.2	521.4	522.3	523.3	522.3
40°	504.3	506.5	508.7	507.5	505.0	503.7	503.5	503.6	504.7	505.8	504.7
42.5°	486.5	488.1	489.8	488.7	486.6	485.6	485.8	486.0	486.6	487.2	486.6
45°	458.7	460.2	461.8	460.7	458.7	457.7	457.7	457.8	458.3	458.7	458.3
47.5°	429.6	430.8	432.0	431.2	429.6	428.7	428.4	428.4	429.1	429.8	429.1
50°	408.6	410.2	411.7	410.9	409.4	408.4	408.0	407.8	408.7	409.6	408.7
52.5°	388.0	389.7	391.4	390.7	389.2	388.1	387.5	387.2	387.9	388.6	387.9
55°	356.0	358.0	360.0	359.5	358.2	357.1	356.2	355.7	356.1	356.5	356.1
57.5°	323.4	325.4	327.3	326.9	325.8	324.7	323.6	323.0	323.6	324.2	323.6
60°	302.0	303.8	305.5	305.0	303.6	302.5	301.7	301.1	301.6	302.0	301.6
62.5°	280.2	281.9	283.7	283.0	281.5	280.3	279.4	278.9	279.3	279.8	279.3
65°	247.0	248.5	250.0	249.4	248.1	247.0	246.1	245.5	245.7	246.0	245.7
67.5°	213.4	214.8	216.1	215.4	214.2	212.9	211.6	210.7	211.1	211.4	211.1
70°	190.4	191.7	193.1	192.6	191.5	190.4	189.3	188.4	188.4	188.4	188.4
72.5°	168.2	169.4	170.5	169.8	168.5	167.4	166.5	165.8	165.8	165.8	165.8
75°	134.4	135.0	135.7	135.4	134.7	133.8	132.7	131.9	131.6	131.4	131.6
77.5°	101.8	101.8	101.8	101.1	100.3	99.5	98.6	97.9	97.7	97.4	97.7
80°	80.3	80.3	80.3	79.8	79.2	78.5	77.9	77.2	76.8	76.4	76.8
82.5°	60.5	60.1	59.8	59.2	58.5	57.7	56.7	56.0	56.5	56.9	56.5
85°	32.2	31.8	31.4	30.7	30.1	29.3	28.4	27.7	27.5	27.3	27.5
87.5°	10.3	10.5	10.7	10.8	10.6	10.1	9.4	9.0	8.9	8.7	8.9
90°	1.9	4.4	7.6	10.1	12.0	12.6	12.6	13.3	13.9	13.9	13.9
92.5°	7.0	11.0	11.1	11.1	13.5	14.7	15.7	15.8	16.4	16.4	16.4
95°	19.6	21.5	32.3	31.6	21.5	17.1	14.5	14.5	14.5	14.5	14.5
97.5°	37.4	40.2	42.0	56.3	59.4	57.4	46.8	39.3	35.2	33.3	35.2
100°	53.1	54.4	58.2	58.8	74.6	89.8	82.2	72.7	69.6	67.7	69.6
102.5°	68.8	69.6	75.4	78.0	81.7	90.3	116.6	113.7	111.6	111.2	111.6
105°	92.3	93.0	103.7	108.8	111.3	111.3	110.7	123.3	143.6	148.0	143.6
107.5°	117.5	120.4	133.1	146.6	149.5	150.3	147.0	145.1	144.3	144.8	144.3
110°	134.7	139.1	154.3	171.4	175.8	177.1	175.8	173.9	172.6	172.6	172.6



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	151.4	157.8	175.0	194.7	202.1	205.9	203.1	201.7	200.5	201.5	200.5
115°	177.1	186.6	209.3	229.6	244.7	246.6	246.0	246.0	245.4	245.4	245.4
117.5°	200.9	216.0	241.6	265.1	282.7	287.7	290.3	289.5	288.8	290.0	288.8
120°	217.5	235.3	264.3	290.9	308.0	315.6	318.1	316.8	318.1	316.8	318.1
122.5°	235.3	257.0	285.6	313.2	333.3	341.9	344.9	345.2	345.4	344.7	345.4
125°	261.8	288.4	321.9	350.4	371.2	381.3	383.9	384.5	385.8	388.9	385.8
127.5°	288.6	318.7	355.5	383.0	404.4	416.6	420.5	421.9	424.6	426.0	424.6
130°	307.3	341.5	378.8	404.7	425.6	438.9	445.8	447.7	450.9	450.3	450.9
132.5°	327.1	362.7	400.6	427.5	446.9	461.2	467.1	472.5	473.7	474.6	473.7
135°	356.0	394.6	432.6	459.1	477.5	491.4	499.0	504.0	507.2	509.1	507.2
137.5°	386.5	427.3	463.7	487.3	505.8	517.8	526.4	531.7	535.0	536.5	535.0
140°	407.3	446.5	481.9	506.6	523.0	535.0	542.6	548.9	552.7	552.7	552.7
142.5°	427.0	465.7	500.1	524.8	539.2	550.2	558.3	563.1	567.4	567.4	567.4
145°	454.7	493.3	524.9	549.6	561.6	571.7	580.5	584.3	586.9	586.9	586.9
147.5°	483.7	517.8	546.7	570.3	580.4	592.3	599.3	602.3	605.5	604.1	605.5
150°	500.9	532.5	560.3	582.4	592.6	603.9	610.9	613.4	616.6	614.7	616.6
152.5°	517.6	547.7	573.0	593.6	602.2	613.6	621.5	624.1	626.2	624.8	626.2
155°	540.1	566.6	590.0	609.0	616.6	627.3	634.9	638.1	640.6	637.5	640.6
157.5°	560.2	583.1	603.4	620.9	629.0	638.2	645.3	649.2	651.8	650.4	651.8
160°	572.3	593.2	611.5	628.0	635.6	643.8	651.4	655.8	658.3	656.4	658.3
162.5°	582.4	601.3	618.6	633.5	640.1	647.3	656.4	660.4	662.9	660.5	662.9
165°	597.0	612.2	627.3	640.0	645.7	651.4	660.9	665.3	667.2	664.7	667.2
167.5°	608.0	619.6	631.9	642.8	647.0	652.5	662.0	665.7	668.1	664.9	668.1
170°	614.1	624.2	634.9	643.8	647.0	652.0	661.5	664.7	666.6	663.4	666.6
172.5°	619.1	626.7	635.4	643.3	644.9	649.0	658.0	661.1	662.5	659.9	662.5
175°	624.2	628.6	634.9	640.0	639.4	641.9	649.5	652.0	654.5	650.7	654.5
177.5°	626.6	628.6	630.6	633.7	631.6	631.6	637.2	638.7	639.2	637.2	639.2
180°	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	704.2	704.2	704.2	704.2	704.2	704.2	704.2	704.2	704.2	704.2	704.2
2.5°	703.1	702.4	701.7	702.9	705.9	707.3	703.9	700.6	703.9	707.3	705.9
5°	700.7	699.9	699.4	701.0	704.5	706.0	701.6	697.2	701.6	706.0	704.5
7.5°	695.7	694.7	694.2	695.6	699.0	700.4	696.0	691.6	696.0	700.4	699.0
10°	691.2	690.1	689.2	690.6	694.1	695.6	691.2	686.8	691.2	695.6	694.1
12.5°	685.3	684.4	683.9	685.2	688.4	689.7	685.3	680.9	685.3	689.7	688.4
15°	674.8	673.9	673.3	674.5	677.5	678.8	674.4	669.9	674.4	678.8	677.5
17.5°	661.7	660.8	660.0	661.1	663.9	665.0	660.9	656.8	660.9	665.0	663.9
20°	651.0	650.4	650.2	651.5	654.4	655.6	651.6	647.6	651.6	655.6	654.4
22.5°	638.8	638.7	639.2	640.7	643.4	644.5	640.5	636.5	640.5	644.5	643.4
25°	620.2	620.4	621.0	622.6	625.0	625.8	621.8	617.9	621.8	625.8	625.0
27.5°	600.6	600.7	601.1	602.3	604.4	605.0	601.7	598.4	601.7	605.0	604.4
30°	585.9	586.0	586.4	587.7	589.9	590.8	587.5	584.2	587.5	590.8	589.9
32.5°	570.5	570.2	570.3	571.6	574.2	575.3	572.2	569.1	572.2	575.3	574.2
35°	546.7	546.3	546.1	547.2	549.6	550.8	548.1	545.5	548.1	550.8	549.6
37.5°	521.4	521.2	521.3	522.4	524.6	525.8	523.8	521.8	523.8	525.8	524.6
40°	503.6	503.5	503.7	505.0	507.5	508.7	506.5	504.3	506.5	508.7	507.5
42.5°	486.0	485.8	485.6	486.6	488.7	489.8	488.1	486.5	488.1	489.8	488.7
45°	457.8	457.7	457.7	458.7	460.7	461.8	460.2	458.7	460.2	461.8	460.7
47.5°	428.4	428.4	428.7	429.6	431.2	432.0	430.8	429.6	430.8	432.0	431.2
50°	407.8	408.0	408.4	409.4	410.9	411.7	410.2	408.6	410.2	411.7	410.9
52.5°	387.2	387.5	388.1	389.2	390.7	391.4	389.7	388.0	389.7	391.4	390.7
55°	355.7	356.2	357.1	358.2	359.5	360.0	358.0	356.0	358.0	360.0	359.5
57.5°	323.0	323.6	324.7	325.8	326.9	327.3	325.4	323.4	325.4	327.3	326.9
60°	301.1	301.7	302.5	303.6	305.0	305.5	303.8	302.0	303.8	305.5	305.0
62.5°	278.9	279.4	280.3	281.5	283.0	283.7	281.9	280.2	281.9	283.7	283.0
65°	245.5	246.1	247.0	248.1	249.4	250.0	248.5	247.0	248.5	250.0	249.4
67.5°	210.7	211.6	212.9	214.2	215.4	216.1	214.8	213.4	214.8	216.1	215.4
70°	188.4	189.3	190.4	191.5	192.6	193.1	191.7	190.4	191.7	193.1	192.6
72.5°	165.8	166.5	167.4	168.5	169.8	170.5	169.4	168.2	169.4	170.5	169.8
75°	131.9	132.7	133.8	134.7	135.4	135.7	135.0	134.4	135.0	135.7	135.4
77.5°	97.9	98.6	99.5	100.3	101.1	101.8	101.8	101.8	101.8	101.8	101.1
80°	77.2	77.9	78.5	79.2	79.8	80.3	80.3	80.3	80.3	80.3	79.8
82.5°	56.0	56.7	57.7	58.5	59.2	59.8	60.1	60.5	60.1	59.8	59.2
85°	27.7	28.4	29.3	30.1	30.7	31.4	31.8	32.2	31.8	31.4	30.7
87.5°	9.0	9.4	10.1	10.6	10.8	10.7	10.5	10.3	10.5	10.6	11.0
90°	13.3	12.6	12.6	12.0	10.1	7.6	4.4	1.9	4.4	7.0	11.4
92.5°	15.8	15.7	14.7	13.5	11.1	11.1	11.0	7.0	12.0	17.1	24.5
95°	14.5	14.5	17.1	21.5	31.6	32.3	21.5	19.6	27.8	39.2	49.3
97.5°	39.3	46.8	57.4	59.4	56.3	42.0	40.2	37.4	51.0	62.2	78.5
100°	72.7	82.2	89.8	74.6	58.8	58.2	54.4	53.1	67.7	78.4	94.2
102.5°	113.7	116.6	90.3	81.7	78.0	75.4	69.6	68.8	83.4	98.1	111.4
105°	123.3	110.7	111.3	111.3	108.8	103.7	93.0	92.3	108.8	125.8	142.3
107.5°	145.1	147.0	150.3	149.5	146.6	133.1	120.4	117.5	132.3	152.8	170.9
110°	173.9	175.8	177.1	175.8	171.4	154.3	139.1	134.7	148.0	169.5	189.1



TEST NUMBER: P1427702

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

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	201.7	203.1	205.9	202.1	194.7	175.0	157.8	151.4	164.7	186.7	206.8
115°	246.0	246.0	246.6	244.7	229.6	209.3	186.6	177.1	188.5	208.7	230.8
117.5°	289.5	290.3	287.7	282.7	265.1	241.6	216.0	200.9	209.8	231.2	254.0
120°	316.8	318.1	315.6	308.0	290.9	264.3	235.3	217.5	224.5	245.4	268.1
122.5°	345.2	344.9	341.9	333.3	313.2	285.6	257.0	235.3	238.2	257.5	279.8
125°	384.5	383.9	381.3	371.2	350.4	321.9	288.4	261.8	258.0	274.5	297.2
127.5°	421.9	420.5	416.6	404.4	383.0	355.5	318.7	288.6	280.2	290.5	311.4
130°	447.7	445.8	438.9	425.6	404.7	378.8	341.5	307.3	295.3	301.7	320.0
132.5°	472.5	467.1	461.2	446.9	427.5	400.6	362.7	327.1	310.5	313.3	327.6
135°	504.0	499.0	491.4	477.5	459.1	432.6	394.6	356.0	333.3	330.7	339.0
137.5°	531.7	526.4	517.8	505.8	487.3	463.7	427.3	386.5	357.8	349.3	352.5
140°	548.9	542.6	535.0	523.0	506.6	481.9	446.5	407.3	375.0	363.0	361.1
142.5°	563.1	558.3	550.2	539.2	524.8	500.1	465.7	427.0	392.7	377.2	372.7
145°	584.3	580.5	571.7	561.6	549.6	524.9	493.3	454.7	420.5	400.3	390.8
147.5°	602.3	599.3	592.3	580.4	570.3	546.7	517.8	483.7	448.6	423.6	411.3
150°	613.4	610.9	603.9	592.6	582.4	560.3	532.5	500.9	467.3	440.8	425.0
152.5°	624.1	621.5	613.6	602.2	593.6	573.0	547.7	517.6	483.5	457.0	440.7
155°	638.1	634.9	627.3	616.6	609.0	590.0	566.6	540.1	511.0	483.2	464.8
157.5°	649.2	645.3	638.2	629.0	620.9	603.4	583.1	560.2	534.8	508.2	489.5
160°	655.8	651.4	643.8	635.6	628.0	611.5	593.2	572.3	548.9	524.9	504.7
162.5°	660.4	656.4	647.3	640.1	633.5	618.6	601.3	582.4	561.6	540.6	521.9
165°	665.3	660.9	651.4	645.7	640.0	627.3	612.2	597.0	579.3	562.2	547.0
167.5°	665.7	662.0	652.5	647.0	642.8	631.9	619.6	608.0	594.2	580.8	568.2
170°	664.7	661.5	652.0	647.0	643.8	634.9	624.2	614.1	603.3	591.9	581.8
172.5°	661.1	658.0	649.0	644.9	643.3	635.4	626.7	619.1	609.9	601.5	593.4
175°	652.0	649.5	641.9	639.4	640.0	634.9	628.6	624.2	618.5	613.4	609.0
177.5°	638.7	637.2	631.6	631.6	633.7	630.6	628.6	626.6	624.1	622.5	621.0
180°	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1



TEST NUMBER: P1427702

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	704.2	704.2	704.2	704.2	704.2	704.2	704.2	704.2	704.2	704.2	704.2
2.5°	702.9	701.7	702.4	703.1	703.4	703.8	703.4	703.1	702.4	701.7	702.9
5°	701.0	699.4	699.9	700.7	702.9	705.2	702.9	700.7	699.9	699.4	701.0
7.5°	695.6	694.2	694.7	695.7	698.0	700.3	698.0	695.7	694.7	694.2	695.6
10°	690.6	689.2	690.1	691.2	693.0	694.7	693.0	691.2	690.1	689.2	690.6
12.5°	685.2	683.9	684.4	685.3	687.2	689.2	687.2	685.3	684.4	683.9	685.2
15°	674.5	673.3	673.9	674.8	676.6	678.4	676.6	674.8	673.9	673.3	674.5
17.5°	661.1	660.0	660.8	661.7	663.2	664.8	663.2	661.7	660.8	660.0	661.1
20°	651.5	650.2	650.4	651.0	652.5	654.1	652.5	651.0	650.4	650.2	651.5
22.5°	640.7	639.2	638.7	638.8	640.7	642.6	640.7	638.8	638.7	639.2	640.7
25°	622.6	621.0	620.4	620.2	621.8	623.3	621.8	620.2	620.4	621.0	622.6
27.5°	602.3	601.1	600.7	600.6	601.7	602.8	601.7	600.6	600.7	601.1	602.3
30°	587.7	586.4	586.0	585.9	587.0	588.1	587.0	585.9	586.0	586.4	587.7
32.5°	571.6	570.3	570.2	570.5	571.8	573.0	571.8	570.5	570.2	570.3	571.6
35°	547.2	546.1	546.3	546.7	547.8	548.9	547.8	546.7	546.3	546.1	547.2
37.5°	522.4	521.3	521.2	521.4	522.3	523.3	522.3	521.4	521.2	521.3	522.4
40°	505.0	503.7	503.5	503.6	504.7	505.8	504.7	503.6	503.5	503.7	505.0
42.5°	486.6	485.6	485.8	486.0	486.6	487.2	486.6	486.0	485.8	485.6	486.6
45°	458.7	457.7	457.7	457.8	458.3	458.7	458.3	457.8	457.7	457.7	458.7
47.5°	429.6	428.7	428.4	428.4	429.1	429.8	429.1	428.4	428.4	428.7	429.6
50°	409.4	408.4	408.0	407.8	408.7	409.6	408.7	407.8	408.0	408.4	409.4
52.5°	389.2	388.1	387.5	387.2	387.9	388.6	387.9	387.2	387.5	388.1	389.2
55°	358.2	357.1	356.2	355.7	356.1	356.5	356.1	355.7	356.2	357.1	358.2
57.5°	325.8	324.7	323.6	323.0	323.6	324.2	323.6	323.0	323.6	324.7	325.8
60°	303.6	302.5	301.7	301.1	301.6	302.0	301.6	301.1	301.7	302.5	303.6
62.5°	281.5	280.3	279.4	278.9	279.3	279.8	279.3	278.9	279.4	280.3	281.5
65°	248.1	247.0	246.1	245.5	245.7	246.0	245.7	245.5	246.1	247.0	248.1
67.5°	214.2	212.9	211.6	210.7	211.1	211.4	211.1	210.7	211.6	212.9	214.2
70°	191.5	190.4	189.3	188.4	188.4	188.4	188.4	188.4	189.3	190.4	191.5
72.5°	168.5	167.4	166.5	165.8	165.8	165.8	165.8	165.8	166.5	167.4	168.5
75°	134.7	133.8	132.7	131.9	131.6	131.4	131.6	131.9	132.7	133.8	134.7
77.5°	100.3	99.5	98.6	97.9	97.7	97.4	97.7	97.9	98.6	99.5	100.3
80°	79.2	78.5	77.9	77.2	76.8	76.4	76.8	77.2	77.9	78.5	79.2
82.5°	58.5	57.7	56.7	56.0	56.5	56.9	56.5	56.0	56.7	57.7	58.5
85°	30.1	29.3	28.4	27.7	27.5	27.3	27.5	27.7	28.4	29.3	30.1
87.5°	11.1	11.4	11.6	11.5	11.8	11.4	11.8	11.5	11.6	11.4	11.1
90°	14.5	19.0	23.4	25.9	28.5	27.2	28.5	25.9	23.4	19.0	14.5
92.5°	29.2	36.7	42.1	46.7	48.7	48.4	48.7	46.7	42.1	36.7	29.2
95°	58.8	67.7	76.5	82.8	86.6	85.4	86.6	82.8	76.5	67.7	58.8
97.5°	90.7	102.6	112.4	118.4	122.2	124.7	122.2	118.4	112.4	102.6	90.7
100°	111.9	123.3	134.7	141.7	148.0	150.5	148.0	141.7	134.7	123.3	111.9
102.5°	129.1	144.1	156.5	163.9	169.2	171.8	169.2	163.9	156.5	144.1	129.1
105°	157.5	173.3	186.6	196.0	201.7	203.6	201.7	196.0	186.6	173.3	157.5
107.5°	185.8	202.1	214.4	224.9	231.8	235.9	231.8	224.9	214.4	202.1	185.8
110°	208.1	221.3	234.6	244.1	251.1	253.6	251.1	244.1	234.6	221.3	208.1



TEST NUMBER: P1427702

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	226.8	241.6	254.9	264.3	272.3	275.9	272.3	264.3	254.9	241.6	226.8
115°	253.0	272.6	284.6	293.4	299.1	302.3	299.1	293.4	284.6	272.6	253.0
117.5°	274.7	295.2	308.4	315.2	317.8	320.1	317.8	315.2	308.4	295.2	274.7
120°	288.4	307.3	322.5	331.4	334.5	335.8	334.5	331.4	322.5	307.3	288.4
122.5°	301.0	319.0	333.7	344.5	349.7	351.0	349.7	344.5	333.7	319.0	301.0
125°	318.7	335.8	351.0	361.7	367.4	370.6	367.4	361.7	351.0	335.8	318.7
127.5°	334.2	352.6	366.5	376.3	381.8	384.4	381.8	376.3	366.5	352.6	334.2
130°	342.8	361.7	375.6	386.4	391.5	394.0	391.5	386.4	375.6	361.7	342.8
132.5°	349.3	369.3	383.7	393.5	399.0	401.6	399.0	393.5	383.7	369.3	349.3
135°	357.3	378.2	393.4	402.8	407.9	410.4	407.9	402.8	393.4	378.2	357.3
137.5°	364.3	383.2	399.0	409.0	413.6	415.2	413.6	409.0	399.0	383.2	364.3
140°	369.3	385.8	401.6	411.1	416.1	416.8	416.1	411.1	401.6	385.8	369.3
142.5°	375.9	388.8	402.6	412.1	417.1	418.3	417.1	412.1	402.6	388.8	375.9
145°	387.7	395.3	404.7	413.6	418.0	419.3	418.0	413.6	404.7	395.3	387.7
147.5°	402.5	404.9	409.8	415.6	419.9	420.8	419.9	415.6	409.8	404.9	402.5
150°	413.6	413.0	414.9	418.7	422.4	421.8	422.4	418.7	414.9	413.0	413.6
152.5°	426.2	422.6	422.4	424.2	426.0	425.9	426.0	424.2	422.4	422.6	426.2
155°	447.7	440.8	437.0	435.7	435.7	435.1	435.7	435.7	437.0	440.8	447.7
157.5°	471.4	461.7	456.0	452.9	452.0	450.7	452.0	452.9	456.0	461.7	471.4
160°	487.6	476.8	471.1	466.1	464.2	462.3	464.2	466.1	471.1	476.8	487.6
162.5°	502.8	492.5	486.3	481.8	479.9	477.0	479.9	481.8	486.3	492.5	502.8
165°	527.4	516.7	509.7	505.9	503.4	500.9	503.4	505.9	509.7	516.7	527.4
167.5°	552.1	540.3	535.8	531.5	529.1	524.5	529.1	531.5	535.8	540.3	552.1
170°	567.3	556.5	554.0	550.2	545.8	540.7	545.8	550.2	554.0	556.5	567.3
172.5°	580.4	573.2	570.7	566.9	565.5	561.4	565.5	566.9	570.7	573.2	580.4
175°	599.5	593.8	593.8	593.2	591.3	587.5	591.3	593.2	593.8	593.8	599.5
177.5°	615.5	612.4	614.4	614.4	613.9	610.4	613.9	614.4	614.4	612.4	615.5
180°	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1



TEST NUMBER: P1427702

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	704.2	704.2	704.2	704.2
2.5°	705.9	707.3	703.9	700.6
5°	704.5	706.0	701.6	697.2
7.5°	699.0	700.4	696.0	691.6
10°	694.1	695.6	691.2	686.8
12.5°	688.4	689.7	685.3	680.9
15°	677.5	678.8	674.4	669.9
17.5°	663.9	665.0	660.9	656.8
20°	654.4	655.6	651.6	647.6
22.5°	643.4	644.5	640.5	636.5
25°	625.0	625.8	621.8	617.9
27.5°	604.4	605.0	601.7	598.4
30°	589.9	590.8	587.5	584.2
32.5°	574.2	575.3	572.2	569.1
35°	549.6	550.8	548.1	545.5
37.5°	524.6	525.8	523.8	521.8
40°	507.5	508.7	506.5	504.3
42.5°	488.7	489.8	488.1	486.5
45°	460.7	461.8	460.2	458.7
47.5°	431.2	432.0	430.8	429.6
50°	410.9	411.7	410.2	408.6
52.5°	390.7	391.4	389.7	388.0
55°	359.5	360.0	358.0	356.0
57.5°	326.9	327.3	325.4	323.4
60°	305.0	305.5	303.8	302.0
62.5°	283.0	283.7	281.9	280.2
65°	249.4	250.0	248.5	247.0
67.5°	215.4	216.1	214.8	213.4
70°	192.6	193.1	191.7	190.4
72.5°	169.8	170.5	169.4	168.2
75°	135.4	135.7	135.0	134.4
77.5°	101.1	101.8	101.8	101.8
80°	79.8	80.3	80.3	80.3
82.5°	59.2	59.8	60.1	60.5
85°	30.7	31.4	31.8	32.2
87.5°	11.0	10.6	10.5	10.3
90°	11.4	7.0	4.4	1.9
92.5°	24.5	17.1	12.0	7.0
95°	49.3	39.2	27.8	19.6
97.5°	78.5	62.2	51.0	37.4
100°	94.2	78.4	67.7	53.1
102.5°	111.4	98.1	83.4	68.8
105°	142.3	125.8	108.8	92.3
107.5°	170.9	152.8	132.3	117.5
110°	189.1	169.5	148.0	134.7



TEST NUMBER: P1427702

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	206.8	186.7	164.7	151.4
115°	230.8	208.7	188.5	177.1
117.5°	254.0	231.2	209.8	200.9
120°	268.1	245.4	224.5	217.5
122.5°	279.8	257.5	238.2	235.3
125°	297.2	274.5	258.0	261.8
127.5°	311.4	290.5	280.2	288.6
130°	320.0	301.7	295.3	307.3
132.5°	327.6	313.3	310.5	327.1
135°	339.0	330.7	333.3	356.0
137.5°	352.5	349.3	357.8	386.5
140°	361.1	363.0	375.0	407.3
142.5°	372.7	377.2	392.7	427.0
145°	390.8	400.3	420.5	454.7
147.5°	411.3	423.6	448.6	483.7
150°	425.0	440.8	467.3	500.9
152.5°	440.7	457.0	483.5	517.6
155°	464.8	483.2	511.0	540.1
157.5°	489.5	508.2	534.8	560.2
160°	504.7	524.9	548.9	572.3
162.5°	521.9	540.6	561.6	582.4
165°	547.0	562.2	579.3	597.0
167.5°	568.2	580.8	594.2	608.0
170°	581.8	591.9	603.3	614.1
172.5°	593.4	601.5	609.9	619.1
175°	609.0	613.4	618.5	624.2
177.5°	621.0	622.5	624.1	626.6
180°	626.1	626.1	626.1	626.1



TEST NUMBER: P1427702
 CATALOG NUMBER: SQ2W-F-K-050U-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	16.49	17.39	17.43	18.34	19.58	16.41	17.30	17.35	18.26	19.50
	3H	18.29	19.09	19.24	20.05	21.32	18.18	18.99	19.13	19.95	21.21
	4H	18.98	19.74	19.95	20.71	21.98	18.87	19.63	19.83	20.60	21.87
	6H	19.42	20.12	20.40	21.10	22.38	19.28	19.98	20.26	20.96	22.24
	8H	19.58	20.25	20.56	21.24	22.52	19.43	20.09	20.41	21.09	22.37
	12H	19.67	20.30	20.65	21.29	22.60	19.49	20.13	20.48	21.11	22.42
4H	2H	17.08	17.84	18.05	18.81	20.08	17.01	17.77	17.98	18.74	20.01
	3H	19.10	19.74	20.08	20.74	22.02	19.01	19.64	19.99	20.64	21.93
	4H	19.92	20.50	20.90	21.49	22.80	19.81	20.39	20.79	21.38	22.69
	6H	20.47	20.97	21.47	21.99	23.30	20.33	20.83	21.33	21.85	23.15
	8H	20.69	21.15	21.69	22.16	23.49	20.53	20.99	21.53	22.00	23.33
	12H	20.80	21.22	21.82	22.25	23.58	20.62	21.04	21.64	22.06	23.39
8H	4H	20.16	20.63	21.17	21.64	22.96	20.07	20.53	21.07	21.54	22.87
	6H	20.86	21.24	21.88	22.29	23.61	20.72	21.11	21.75	22.16	23.48
	8H	21.16	21.50	22.19	22.54	23.88	21.00	21.35	22.04	22.38	23.72
	12H	21.34	21.64	22.38	22.68	24.06	21.15	21.45	22.19	22.49	23.87
12H	4H	20.16	20.58	21.18	21.61	22.94	20.07	20.49	21.09	21.51	22.84
	6H	20.91	21.25	21.94	22.28	23.62	20.78	21.12	21.81	22.16	23.50
	8H	21.24	21.54	22.28	22.57	23.96	21.09	21.39	22.13	22.42	23.81