

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: P1427655

Luminaire Tested: SQ2W-F-0U-050D-L935-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1427655
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-0U-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 N/A - DIRECT ONLY
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

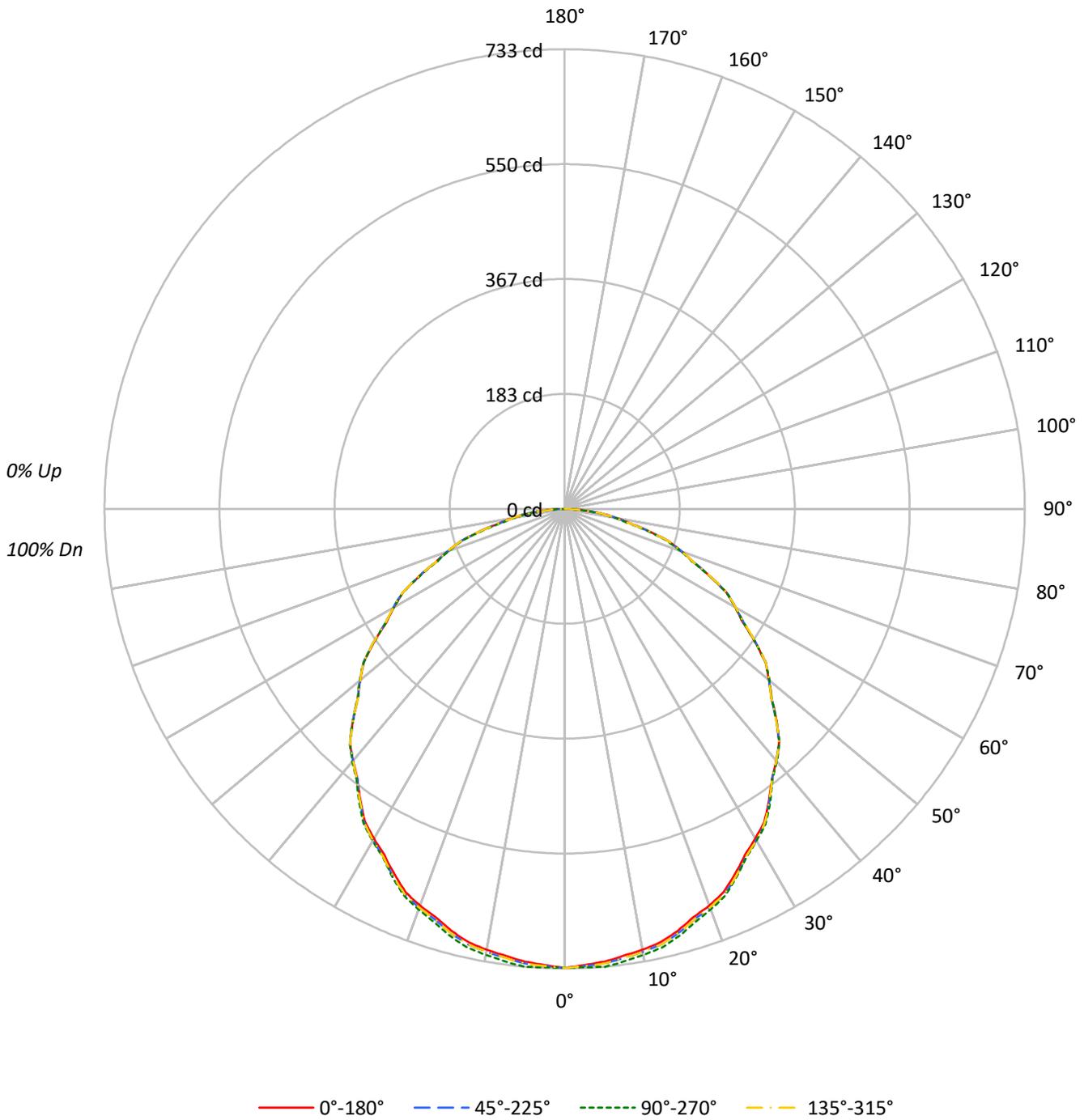
Lumens per Lamp: N/A
Luminaire Lumens: 2060.5 lumens
Efficiency: N/A
Efficacy: 115.8 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.25 / 1.36
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 17.8
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

TEST NUMBER: P1427655

CATALOG NUMBER: SQ2W-F-0U-050D-L935-UNV-STD-W-WM-4

Luminous Intensity Polar Plot





TEST NUMBER: P1427655

CATALOG NUMBER: SQ2W-F-0U-050D-L935-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	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				
1	109	104	100	96	106	102	98	94	97	94	91	93	91	88	90	88	86	84				
2	99	90	84	78	96	89	82	77	85	80	75	82	77	73	79	75	72	70				
3	90	79	71	65	87	78	70	64	75	68	63	72	66	62	69	65	61	58				
4	82	70	61	55	80	69	61	54	66	59	54	64	58	53	62	57	52	50				
5	76	63	54	47	74	62	53	47	60	52	46	58	51	46	56	50	45	43				
6	70	56	47	41	68	56	47	41	54	46	40	52	45	40	50	44	40	38				
7	65	51	42	36	63	50	42	36	49	41	36	47	41	36	46	40	35	33				
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	32	30				
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	29	27				
10	53	40	32	26	52	39	31	26	38	31	26	37	31	26	36	30	26	24				

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



TEST NUMBER: P1427655

CATALOG NUMBER: SQ2W-F-0U-050D-L935-UNV-STD-W-WM-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.3	3.4
10°-20°	197.9	9.6
20°-30°	297.9	14.5
30°-40°	356.3	17.3
40°-50°	367.9	17.9
50°-60°	331.8	16.1
60°-70°	254.2	12.3
70°-80°	146.9	7.1
80°-90°	38.2	1.9
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	565.2	27.4
0°-40°	921.5	44.7
0°-60°	1621.2	78.7
0°-90°	2060.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2060.5	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	40
90°	0	0	0	0	0	



TEST NUMBER: P1427655

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

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°	10.3	9.9	9.6	9.1	8.5	7.9	7.1	6.6	6.4	6.2	6.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1427655

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

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°	6.6	7.1	7.9	8.5	9.1	9.6	9.9	10.3	9.9	9.6	9.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1427655

CATALOG NUMBER: SQ2W-F-OU-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°	8.5	7.9	7.1	6.6	6.4	6.2	6.4	6.6	7.1	7.9	8.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1427655

CATALOG NUMBER: SQ2W-F-0U-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°	9.1	9.6	9.9	10.3
90°	0.0	0.0	0.0	0.0



TEST NUMBER: P1427655
 CATALOG NUMBER: SQ2W-F-0U-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	20.24	21.89	20.61	22.20	22.51	20.16	21.80	20.52	22.12	22.43
	3H	22.09	23.57	22.46	23.90	24.26	21.98	23.47	22.36	23.80	24.16
	4H	22.81	24.22	23.21	24.56	24.94	22.70	24.10	23.10	24.45	24.82
	6H	23.29	24.59	23.70	24.95	25.34	23.15	24.45	23.56	24.81	25.20
	8H	23.47	24.71	23.90	25.10	25.50	23.32	24.56	23.74	24.95	25.34
	12H	23.58	24.77	24.01	25.15	25.58	23.40	24.59	23.83	24.97	25.40
4H	2H	20.91	22.31	21.31	22.66	23.03	20.84	22.24	21.24	22.59	22.97
	3H	23.00	24.17	23.41	24.57	24.97	22.90	24.08	23.31	24.48	24.88
	4H	23.84	24.91	24.27	25.32	25.75	23.73	24.79	24.16	25.21	25.64
	6H	24.44	25.37	24.89	25.81	26.26	24.30	25.23	24.75	25.67	26.12
	8H	24.67	25.54	25.13	25.98	26.45	24.51	25.38	24.97	25.82	26.29
	12H	24.82	25.60	25.30	26.08	26.55	24.64	25.42	25.12	25.89	26.36
8H	4H	24.15	25.02	24.61	25.46	25.93	24.05	24.92	24.51	25.36	25.83
	6H	24.87	25.59	25.36	26.08	26.56	24.74	25.46	25.23	25.95	26.43
	8H	25.18	25.83	25.69	26.34	26.83	25.03	25.68	25.54	26.18	26.67
	12H	25.40	25.98	25.91	26.47	27.03	25.21	25.79	25.72	26.28	26.84
12H	4H	24.18	24.96	24.66	25.44	25.91	24.09	24.87	24.57	25.34	25.81
	6H	24.93	25.58	25.44	26.08	26.57	24.80	25.45	25.31	25.96	26.44
	8H	25.30	25.87	25.81	26.36	26.92	25.15	25.72	25.66	26.21	26.77