

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: METALUX

Report Number: P1500529

Luminaire Tested: 3CSSV-S3C59-MB-HI-3500K

Issue Date: 7/20/2026

Test Information

Test Method: LM-79-2019
Report Number: P1500529
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2605-767-2)
Test Lab: INNOVATION CENTER
Issue Date: 7/20/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 3CSSV-S3C59-MB-HI-3500K
Description: 3' Vanity SQR Lnr 90CRI-3L5C Sel Matte Blk 3000 Lumen 3500K

Light Source:
Ballast/Driver: -

Summary

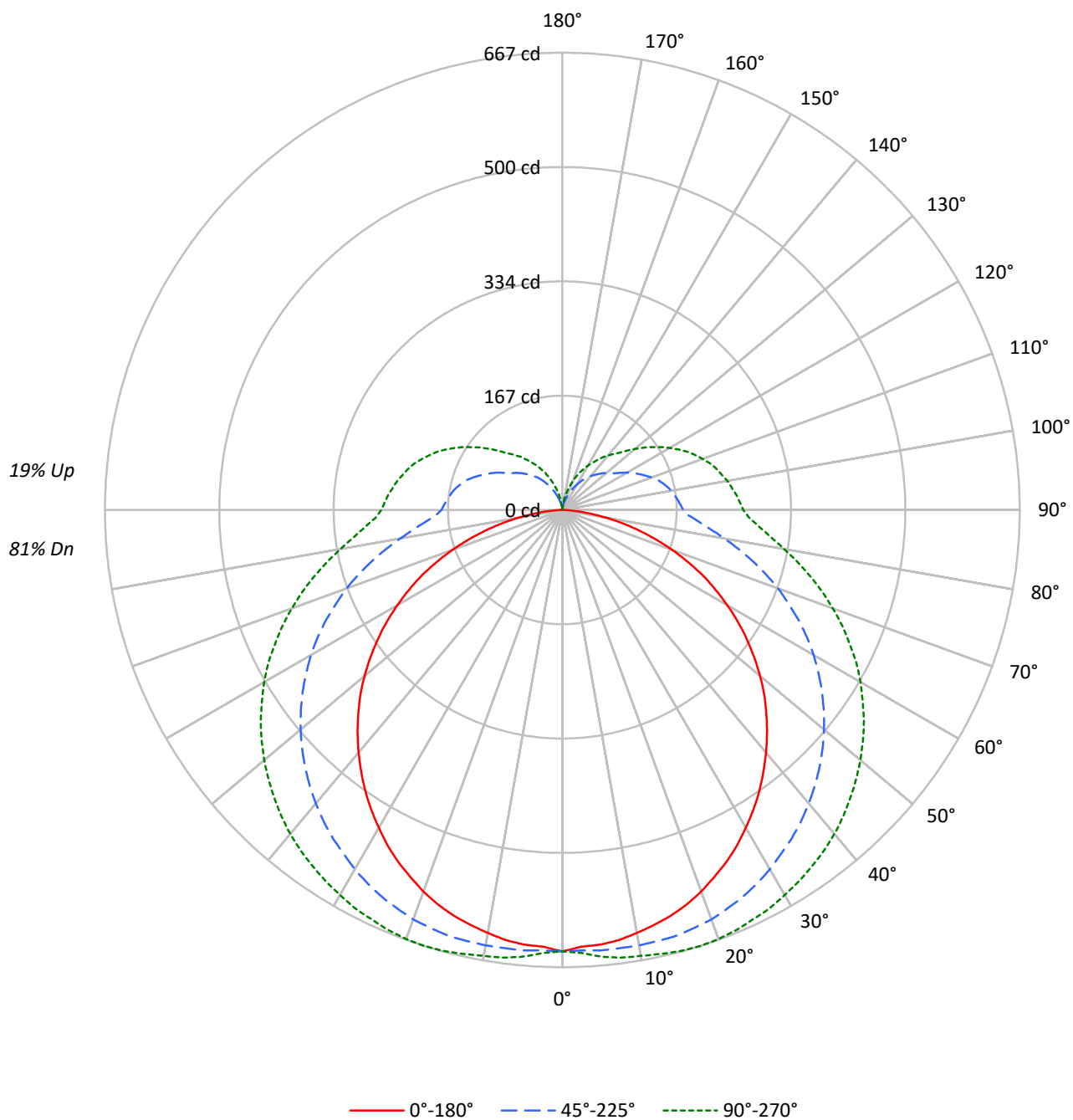
Lumens per Lamp: N/A
Luminaire Lumens: 3148.2 lumens
Efficiency: N/A
Efficacy: 92.6 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.5 / 1.54
Luminous Opening: Rectangular w/ Sides (W: 0.13' x L: 2.92' x H: 0.13')
CIE Type: Semi-Direct

Input Watts (W): 34
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: >0.9
Total Harmonic Distortion (THDi): <20
Frequency (hertz): 60
Stabilization Time: HR
Operation Time: HR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P1500529

CATALOG NUMBER: 3CSSV-S3C59-MB-HI-3500K

Luminous Intensity Polar Plot



TEST NUMBER: P1500529

CATALOG NUMBER: 3CSSV-S3C59-MB-HI-3500K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	0
RCR																				
0	114	114	114	114	110	110	110	110	100	100	100	92	92	92	84	84	84	84	84	81
1	102	96	91	86	97	92	87	83	84	80	77	77	74	71	70	68	66	66	66	62
2	91	82	74	68	87	79	72	66	72	66	61	66	61	57	60	56	53	53	53	50
3	83	71	62	55	78	68	60	53	62	56	50	57	51	47	52	47	44	44	44	40
4	75	62	53	46	71	60	51	45	55	48	42	50	44	39	46	41	37	37	37	34
5	69	55	46	39	65	53	44	38	49	41	36	45	38	34	41	36	31	31	31	29
6	63	50	40	34	60	48	39	33	44	36	31	40	34	29	37	32	27	27	27	25
7	59	45	36	29	56	43	34	28	40	32	27	36	30	25	34	28	24	24	24	22
8	54	41	32	26	52	39	31	25	36	29	24	33	27	23	31	25	21	21	21	19
9	51	37	29	23	48	36	28	22	33	26	21	31	25	20	28	23	19	19	19	17
10	47	34	26	21	45	33	25	20	30	24	19	28	22	18	26	21	17	17	17	15

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	18258	18258	18258
5°	18047	17240	17121
10°	17896	16427	16167
15°	17772	15758	15422
20°	17588	15116	14736
25°	17361	14492	14055
30°	17082	13892	13462
35°	16815	13325	12922
40°	16493	12777	12423
45°	16152	12236	11912
50°	15768	11689	11420
55°	15265	11120	10931
60°	14621	10535	10418
65°	13842	9870	9862
70°	12610	9166	9287
75°	10832	8368	8671
80°	8422	7550	8038
85°	4571	6898	7559

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 16152 cd/sqm

TEST NUMBER: P1500529

CATALOG NUMBER: 3CSSV-S3C59-MB-HI-3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.7	2.0
10°-20°	181.7	5.8
20°-30°	285.9	9.1
30°-40°	362.0	11.5
40°-50°	402.6	12.8
50°-60°	402.6	12.8
60°-70°	361.6	11.5
70°-80°	285.5	9.1
80°-90°	201.5	6.4
90°-100°	165.3	5.3
100°-110°	142.9	4.5
110°-120°	112.1	3.6
120°-130°	79.4	2.5
130°-140°	52.3	1.7
140°-150°	31.6	1.0
150°-160°	15.0	0.5
160°-170°	4.2	0.1
170°-180°	0.4	0.0
0°-30°	529.3	16.8
0°-40°	891.3	28.3
0°-60°	1696.4	53.9
0°-90°	2544.9	80.8
90°-120°	420.3	13.4
90°-150°	583.7	18.5
90°-180°	603.0	19.2
0°-180°	3148.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	644	644	644	644	644	
5°	636	650	645	646	654	60
15°	613	634	643	656	666	173
25°	566	598	623	645	659	261
35°	501	542	584	617	635	313
45°	421	474	530	574	594	325
55°	328	392	462	514	537	293
65°	226	298	380	439	462	223
75°	115	197	287	351	374	123
85°	21	106	200	266	289	26
90°	1	83	176	241	264	1
95°	0	78	169	232	255	0
105°	1	63	151	211	232	1
115°	1	48	124	180	201	1
125°	1	37	93	141	160	1
135°	1	30	74	105	118	1
145°	1	21	54	79	89	1
155°	2	12	32	52	60	1
165°	2	6	13	21	30	1
175°	2	2	3	3	2	0
180°	1	1	1	1	1	

TEST NUMBER: P1500529

CATALOG NUMBER: 3CSSV-S3C59-MB-HI-3500K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	643.9	643.9	643.9	643.9	643.9
2.5°	637.5	650.4	643.0	643.9	646.7
5°	636.5	650.4	644.8	645.8	654.1
7.5°	632.9	647.6	644.8	649.5	658.7
10°	626.4	644.8	644.8	652.2	660.5
12.5°	619.9	639.3	643.9	653.2	663.3
15°	612.6	633.8	643.0	655.9	666.1
17.5°	603.3	627.3	639.3	655.0	667.0
20°	592.3	618.1	635.6	652.2	666.1
22.5°	579.3	608.9	629.2	649.5	663.3
25°	566.4	597.8	622.7	644.8	658.7
27.5°	551.7	585.8	614.4	639.3	655.0
30°	535.1	572.0	605.2	632.9	648.5
32.5°	518.5	558.1	594.1	625.5	642.1
35°	500.9	542.4	584.0	617.2	634.7
37.5°	481.6	526.8	572.0	607.9	626.4
40°	462.2	510.2	559.1	597.8	617.2
42.5°	441.9	491.7	545.2	585.8	606.1
45°	420.7	474.2	530.5	573.8	594.1
47.5°	399.5	454.8	514.8	560.0	581.2
50°	376.4	434.5	498.2	545.2	567.4
52.5°	352.4	414.2	480.6	530.5	552.6
55°	328.4	392.1	462.2	513.8	536.9
57.5°	303.5	369.0	442.8	496.3	519.4
60°	277.7	345.9	423.4	477.9	501.9
62.5°	251.9	322.9	402.2	458.5	483.4
65°	226.0	298.0	380.1	439.1	462.2
67.5°	198.3	274.0	357.0	417.9	441.9
70°	170.7	248.2	334.9	395.8	419.8
72.5°	143.0	222.3	310.9	373.6	397.6
75°	115.3	197.4	286.9	350.6	374.5
77.5°	90.4	172.5	262.9	327.5	351.5
80°	64.6	148.5	239.9	305.4	328.4
82.5°	40.6	125.5	218.6	284.1	307.2
85°	21.2	106.1	200.2	265.7	288.8
87.5°	6.5	91.3	184.5	250.0	273.1
90°	0.9	83.0	176.2	240.8	263.8
92.5°	0.0	80.3	172.5	236.2	259.2
95°	0.0	78.4	168.8	232.5	254.6
97.5°	0.0	75.6	165.1	227.9	249.1
100°	0.0	72.0	161.4	222.3	244.5
102.5°	0.0	67.3	156.8	216.8	238.0
105°	0.9	62.7	151.3	211.3	232.5
107.5°	0.9	57.2	145.8	204.8	226.0
110°	0.9	52.6	138.4	196.5	217.7

TEST NUMBER: P1500529

CATALOG NUMBER: 3CSSV-S3C59-MB-HI-3500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.9	49.8	131.0	188.2	209.4
115°	0.9	48.0	123.6	179.9	201.1
117.5°	0.9	45.2	116.2	170.7	191.0
120°	0.9	42.4	108.9	160.5	180.8
122.5°	0.9	38.7	100.6	151.3	170.7
125°	0.9	36.9	93.2	141.1	159.6
127.5°	0.9	35.1	88.6	131.0	149.4
130°	0.9	33.2	84.0	120.9	138.4
132.5°	0.9	31.4	79.3	111.6	128.2
135°	0.9	29.5	73.8	105.2	118.1
137.5°	0.9	27.7	69.2	98.7	110.7
140°	0.9	25.8	64.6	92.3	103.3
142.5°	0.9	24.0	60.0	85.8	96.9
145°	0.9	21.2	54.4	79.3	88.6
147.5°	0.9	18.5	48.9	72.9	81.2
150°	0.9	16.6	43.4	66.4	74.7
152.5°	1.8	14.8	37.8	60.0	67.3
155°	1.8	12.0	32.3	51.7	60.0
157.5°	1.8	10.1	26.8	43.4	52.6
160°	1.8	8.3	22.1	35.1	44.3
162.5°	1.8	6.5	17.5	27.7	36.9
165°	1.8	5.5	12.9	21.2	29.5
167.5°	1.8	4.6	10.1	14.8	23.1
170°	1.8	3.7	7.4	10.1	15.7
172.5°	1.8	2.8	4.6	6.5	4.6
175°	1.8	1.8	2.8	2.8	1.8
177.5°	1.8	1.8	1.8	0.9	0.9
180°	0.9	0.9	0.9	0.9	0.9

TEST NUMBER: P1500529

CATALOG NUMBER: 3CSSV-S3C59-MB-HI-3500K

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	17.1	18.5	17.8	19.1	19.9	21.1	22.5	21.8	23.1	23.9
	3H	18.5	19.7	19.1	20.4	21.2	23.9	25.2	24.6	25.8	26.6
	4H	18.9	20.1	19.6	20.7	21.5	25.3	26.4	25.9	27.1	27.9
	6H	19.1	20.2	19.8	20.9	21.7	26.7	27.8	27.4	28.5	29.3
	8H	19.2	20.2	19.8	20.9	21.7	27.4	28.5	28.1	29.2	30.0
	12H	19.1	20.2	19.8	20.9	21.7	28.2	29.2	28.9	29.9	30.7
4H	2H	18.4	19.6	19.0	20.2	21.0	21.4	22.6	22.1	23.3	24.1
	3H	20.0	21.0	20.7	21.7	22.5	24.4	25.4	25.1	26.1	26.9
	4H	20.6	21.5	21.3	22.2	23.0	25.9	26.8	26.6	27.6	28.4
	6H	20.9	21.7	21.6	22.5	23.3	27.5	28.3	28.2	29.0	29.9
	8H	21.0	21.8	21.7	22.5	23.4	28.3	29.1	29.0	29.8	30.7
	12H	21.0	21.7	21.7	22.5	23.3	29.2	29.9	30.0	30.7	31.6
8H	4H	21.5	22.3	22.2	23.0	23.9	26.1	26.8	26.8	27.6	28.4
	6H	22.1	22.7	22.8	23.5	24.4	27.8	28.4	28.5	29.2	30.1
	8H	22.3	22.9	23.0	23.6	24.5	28.7	29.3	29.5	30.1	30.9
	12H	22.4	22.9	23.1	23.7	24.6	29.8	30.3	30.5	31.1	32.0
12H	4H	21.8	22.5	22.5	23.3	24.1	26.0	26.7	26.8	27.5	28.4
	6H	22.5	23.1	23.2	23.8	24.8	27.8	28.4	28.5	29.1	30.0
	8H	22.8	23.3	23.5	24.1	25.0	28.8	29.3	29.5	30.1	31.0



(END OF REPORT)