

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: P1500527

Luminaire Tested: 3CSSV-S3C59-MB-HI-2700K

Issue Date: 7/20/2026

Test Information

Test Method: LM-79-2019
Report Number: P1500527
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-2700K
Description: 3' Vanity SQR Lnr 90CRI-3L5C Sel Matte Blk 3000 Lumen 2700K

Light Source:
Ballast/Driver: -

Summary

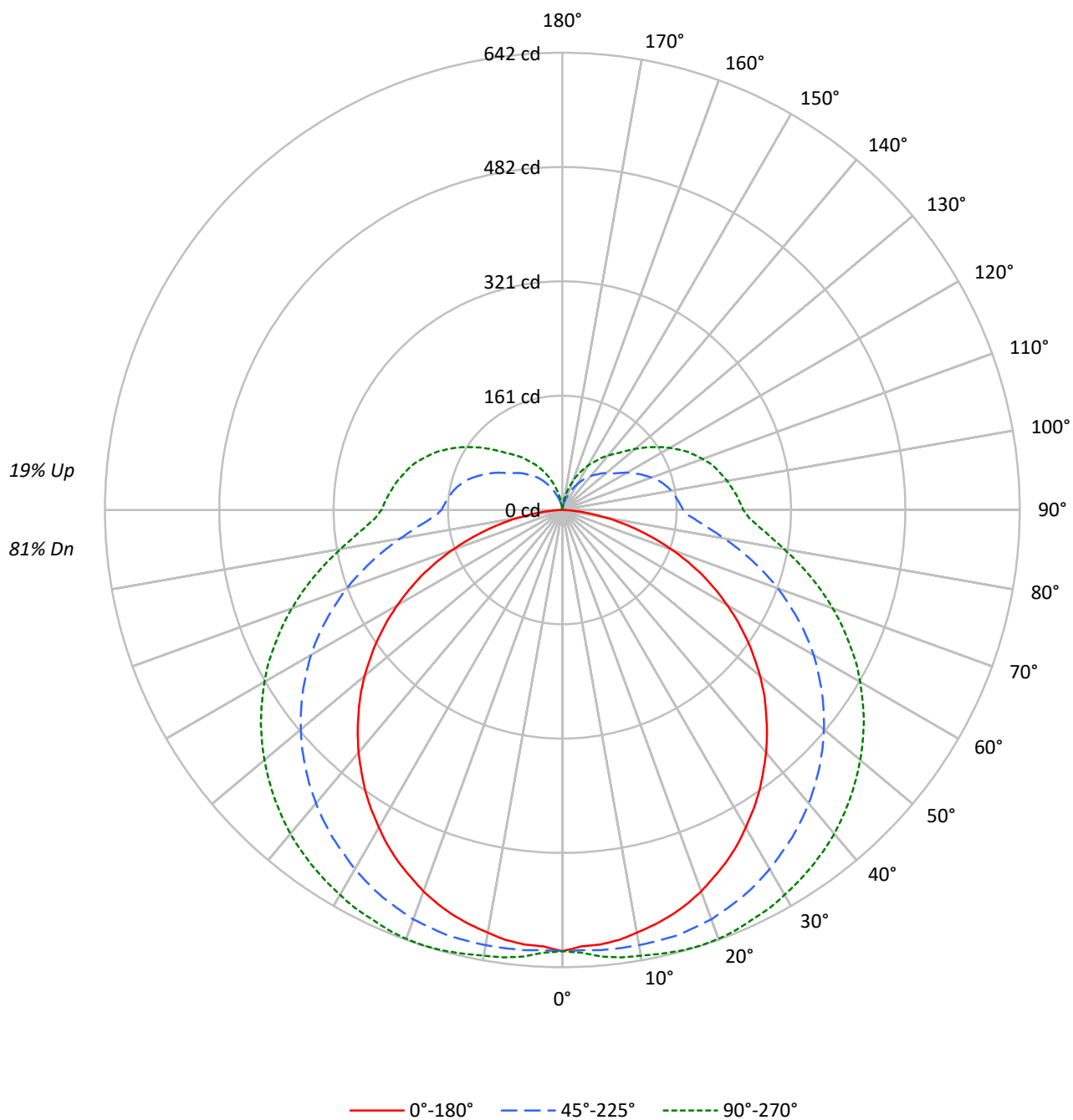
Lumens per Lamp: N/A
Luminaire Lumens: 3029.0 lumens
Efficiency: N/A
Efficacy: 89.1 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.5 / 1.54
Luminous Opening: Rectangular w/ Sides (W: 0.13' x L: 2.92' x H: 0.13')
CIE Type: Semi-Direct

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

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	17567	17567	17567
5°	17364	16587	16471
10°	17219	15805	15555
15°	17099	15162	14836
20°	16920	14545	14177
25°	16705	13942	13522
30°	16433	13366	12953
35°	16181	12821	12434
40°	15868	12293	11952
45°	15537	11773	11461
50°	15169	11245	10987
55°	14688	10699	10518
60°	14069	10137	10024
65°	13321	9496	9489
70°	12130	8818	8936
75°	10428	8050	8344
80°	8096	7264	7735
85°	4399	6636	7271

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 15537 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.4	2.0
10°-20°	174.8	5.8
20°-30°	275.1	9.1
30°-40°	348.3	11.5
40°-50°	387.3	12.8
50°-60°	387.3	12.8
60°-70°	347.9	11.5
70°-80°	274.7	9.1
80°-90°	193.9	6.4
90°-100°	159.0	5.3
100°-110°	137.5	4.5
110°-120°	107.8	3.6
120°-130°	76.4	2.5
130°-140°	50.4	1.7
140°-150°	30.4	1.0
150°-160°	14.4	0.5
160°-170°	4.1	0.1
170°-180°	0.4	0.0
0°-30°	509.3	16.8
0°-40°	857.5	28.3
0°-60°	1632.2	53.9
0°-90°	2448.6	80.8
90°-120°	404.4	13.4
90°-150°	561.6	18.5
90°-180°	580.0	19.1
0°-180°	3029.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	620	620	620	620	620	
5°	612	626	620	621	629	58
15°	589	610	619	631	641	166
25°	545	575	599	620	634	251
35°	482	522	562	594	611	301
45°	405	456	510	552	572	312
55°	316	377	445	494	517	282
65°	218	287	366	422	445	214
75°	111	190	276	337	360	118
85°	20	102	193	256	278	25
90°	1	80	170	232	254	1
95°	0	75	162	224	245	0
105°	1	60	146	203	224	1
115°	1	46	119	173	194	1
125°	1	36	90	136	154	1
135°	1	28	71	101	114	1
145°	1	20	52	76	85	1
155°	2	12	31	50	58	1
165°	2	5	12	20	28	1
175°	2	2	3	3	2	0
180°	1	1	1	1	1	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	619.5	619.5	619.5	619.5	619.5
2.5°	613.3	625.8	618.7	619.5	622.2
5°	612.4	625.8	620.4	621.3	629.3
7.5°	608.9	623.1	620.4	624.9	633.7
10°	602.7	620.4	620.4	627.5	635.5
12.5°	596.5	615.1	619.5	628.4	638.2
15°	589.4	609.8	618.7	631.1	640.8
17.5°	580.5	603.6	615.1	630.2	641.7
20°	569.8	594.7	611.6	627.5	640.8
22.5°	557.4	585.8	605.3	624.9	638.2
25°	545.0	575.2	599.1	620.4	633.7
27.5°	530.8	563.6	591.1	615.1	630.2
30°	514.8	550.3	582.3	608.9	624.0
32.5°	498.8	537.0	571.6	601.8	617.8
35°	482.0	521.9	561.9	593.8	610.7
37.5°	463.3	506.8	550.3	584.9	602.7
40°	444.7	490.8	537.9	575.2	593.8
42.5°	425.2	473.1	524.6	563.6	583.2
45°	404.7	456.2	510.4	552.1	571.6
47.5°	384.3	437.6	495.3	538.8	559.2
50°	362.1	418.1	479.3	524.6	545.9
52.5°	339.1	398.5	462.4	510.4	531.7
55°	316.0	377.2	444.7	494.4	516.6
57.5°	292.0	355.0	426.0	477.5	499.7
60°	267.2	332.9	407.4	459.8	482.9
62.5°	242.3	310.7	387.0	441.1	465.1
65°	217.5	286.7	365.7	422.5	444.7
67.5°	190.8	263.6	343.5	402.1	425.2
70°	164.2	238.8	322.2	380.8	403.9
72.5°	137.6	213.9	299.1	359.5	382.6
75°	111.0	189.9	276.0	337.3	360.4
77.5°	87.0	166.0	253.0	315.1	338.2
80°	62.1	142.9	230.8	293.8	316.0
82.5°	39.1	120.7	210.4	273.4	295.6
85°	20.4	102.1	192.6	255.6	277.8
87.5°	6.2	87.9	177.5	240.5	262.7
90°	0.9	79.9	169.5	231.7	253.9
92.5°	0.0	77.2	166.0	227.2	249.4
95°	0.0	75.4	162.4	223.7	245.0
97.5°	0.0	72.8	158.9	219.2	239.7
100°	0.0	69.2	155.3	213.9	235.2
102.5°	0.0	64.8	150.9	208.6	229.0
105°	0.9	60.4	145.6	203.3	223.7
107.5°	0.9	55.0	140.2	197.0	217.5
110°	0.9	50.6	133.1	189.1	209.5

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.9	47.9	126.0	181.1	201.5
115°	0.9	46.2	118.9	173.1	193.5
117.5°	0.9	43.5	111.8	164.2	183.7
120°	0.9	40.8	104.7	154.4	174.0
122.5°	0.9	37.3	96.7	145.6	164.2
125°	0.9	35.5	89.6	135.8	153.6
127.5°	0.9	33.7	85.2	126.0	143.8
130°	0.9	32.0	80.8	116.3	133.1
132.5°	0.9	30.2	76.3	107.4	123.4
135°	0.9	28.4	71.0	101.2	113.6
137.5°	0.9	26.6	66.6	95.0	106.5
140°	0.9	24.9	62.1	88.8	99.4
142.5°	0.9	23.1	57.7	82.5	93.2
145°	0.9	20.4	52.4	76.3	85.2
147.5°	0.9	17.8	47.0	70.1	78.1
150°	0.9	16.0	41.7	63.9	71.9
152.5°	1.8	14.2	36.4	57.7	64.8
155°	1.8	11.5	31.1	49.7	57.7
157.5°	1.8	9.8	25.7	41.7	50.6
160°	1.8	8.0	21.3	33.7	42.6
162.5°	1.8	6.2	16.9	26.6	35.5
165°	1.8	5.3	12.4	20.4	28.4
167.5°	1.8	4.4	9.8	14.2	22.2
170°	1.8	3.6	7.1	9.8	15.1
172.5°	1.8	2.7	4.4	6.2	4.4
175°	1.8	1.8	2.7	2.7	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

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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	17.0	18.3	17.6	19.0	19.7	21.0	22.4	21.6	23.0	23.8
	3H	18.4	19.6	19.0	20.3	21.0	23.8	25.0	24.4	25.7	26.5
	4H	18.8	19.9	19.4	20.6	21.4	25.1	26.3	25.8	27.0	27.8
	6H	19.0	20.1	19.7	20.8	21.6	26.5	27.6	27.2	28.3	29.1
	8H	19.0	20.1	19.7	20.8	21.6	27.3	28.3	28.0	29.0	29.8
	12H	19.0	20.0	19.7	20.7	21.6	28.1	29.1	28.8	29.8	30.6
4H	2H	18.2	19.4	18.9	20.1	20.9	21.3	22.5	22.0	23.2	23.9
	3H	19.9	20.9	20.5	21.6	22.4	24.3	25.3	24.9	26.0	26.8
	4H	20.4	21.4	21.1	22.1	22.9	25.8	26.7	26.5	27.4	28.3
	6H	20.8	21.6	21.5	22.3	23.2	27.4	28.2	28.1	28.9	29.8
	8H	20.9	21.6	21.6	22.4	23.2	28.2	29.0	28.9	29.7	30.5
	12H	20.9	21.6	21.6	22.3	23.2	29.1	29.8	29.8	30.6	31.4
8H	4H	21.4	22.2	22.1	22.9	23.8	25.9	26.7	26.6	27.4	28.3
	6H	21.9	22.6	22.7	23.4	24.2	27.6	28.3	28.4	29.1	29.9
	8H	22.1	22.7	22.9	23.5	24.4	28.6	29.2	29.3	29.9	30.8
	12H	22.2	22.8	23.0	23.5	24.5	29.6	30.2	30.4	30.9	31.9
12H	4H	21.7	22.4	22.4	23.1	24.0	25.9	26.6	26.6	27.4	28.2
	6H	22.4	23.0	23.1	23.7	24.6	27.7	28.3	28.4	29.0	29.9
	8H	22.6	23.2	23.4	23.9	24.9	28.6	29.2	29.4	29.9	30.9

(END OF REPORT)