

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: P1500540

Luminaire Tested: 3CSSV-S3C59-MB-MED-4000K

Issue Date: 7/20/2026

Test Information

Test Method: LM-79-2019
Report Number: P1500540
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-MED-4000K
Description: 3' Vanity SQR Lnr 90CRI-3L5C Sel Matte Blk 2400 Lumen 4000K

Light Source:
Ballast/Driver: -

Summary

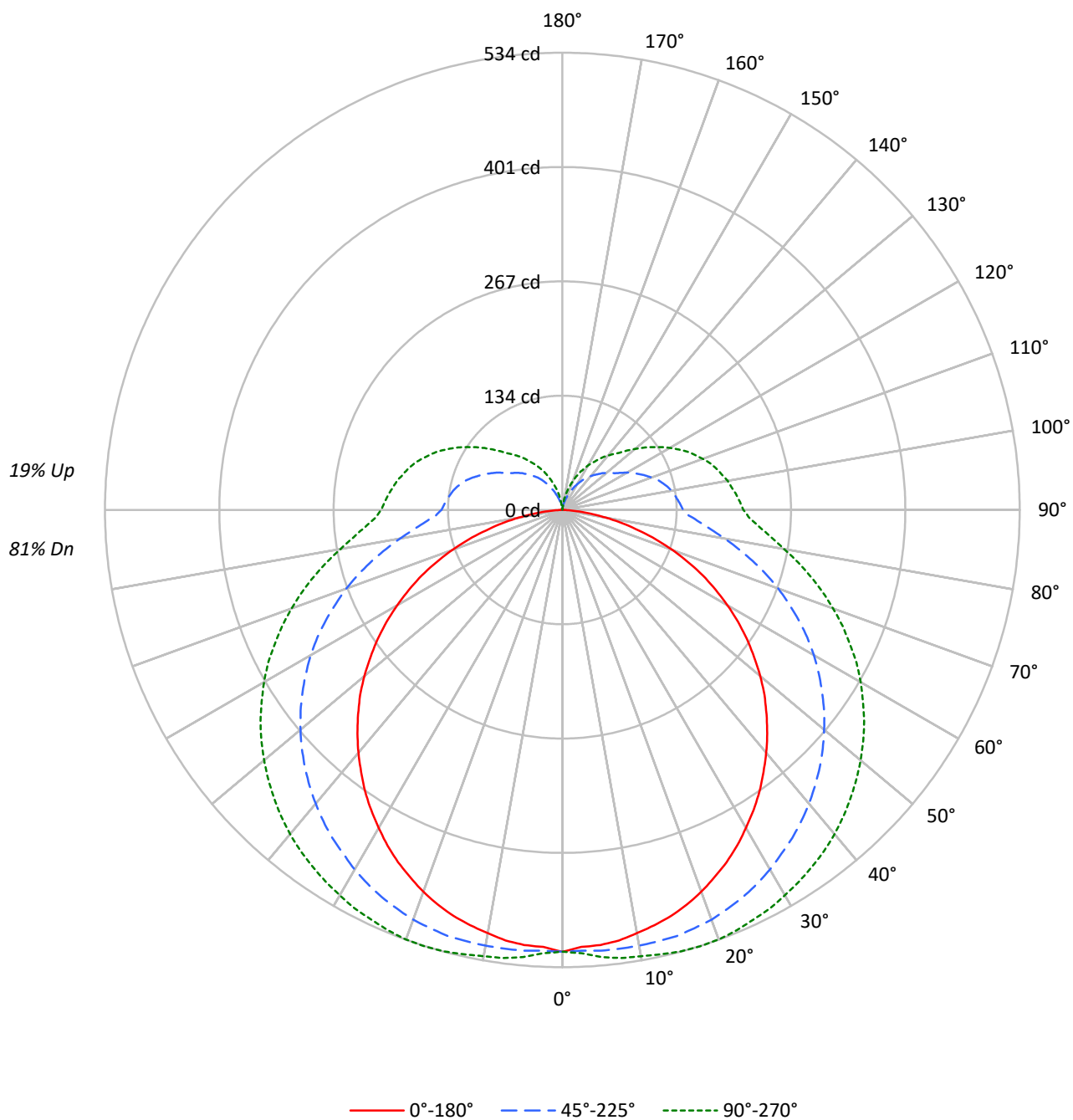
Lumens per Lamp: N/A
Luminaire Lumens: 2522.4 lumens
Efficiency: N/A
Efficacy: 100.1 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.5 / 1.54
Luminous Opening: Rectangular w/ Sides (W: 0.13' x L: 2.92' x H: 0.13')
CIE Type: Semi-Direct

Input Watts (W): 25.2
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		50	30	10
RCR																				
0	114	114	114	114	110	110	110	110		100	100	100		92	92	92		84	84	84
1	102	96	91	86	97	92	87	83		84	80	77		77	74	71		70	68	66
2	91	82	74	68	87	79	72	66		72	66	61		66	61	57		60	56	53
3	83	71	62	55	78	68	60	53		62	56	50		57	51	47		52	47	44
4	75	62	53	46	71	60	51	45		55	48	42		50	44	39		46	41	37
5	69	55	46	39	65	53	44	38		49	41	36		45	38	34		41	36	31
6	63	50	40	34	60	48	39	33		44	36	31		40	34	29		37	32	27
7	59	45	36	29	56	43	34	28		40	32	27		36	30	25		34	28	24
8	54	41	32	26	52	39	31	25		36	29	24		33	27	23		31	25	21
9	51	37	29	23	48	36	28	22		33	26	21		31	25	20		28	23	19
10	47	34	26	21	45	33	25	20		30	24	19		28	22	18		26	21	17

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	14629	14629	14629
5°	14460	13815	13718
10°	14339	13163	12953
15°	14238	12626	12357
20°	14090	12112	11807
25°	13909	11610	11262
30°	13685	11131	10786
35°	13475	10676	10353
40°	13213	10236	9953
45°	12942	9803	9544
50°	12634	9364	9150
55°	12229	8909	8759
60°	11715	8442	8347
65°	11092	7907	7901
70°	10098	7343	7440
75°	8681	6705	6948
80°	6740	6049	6440
85°	3666	5527	6057

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 12942 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.4	2.0
10°-20°	145.6	5.8
20°-30°	229.1	9.1
30°-40°	290.0	11.5
40°-50°	322.5	12.8
50°-60°	322.6	12.8
60°-70°	289.7	11.5
70°-80°	228.7	9.1
80°-90°	161.4	6.4
90°-100°	132.5	5.3
100°-110°	114.5	4.5
110°-120°	89.8	3.6
120°-130°	63.6	2.5
130°-140°	41.9	1.7
140°-150°	25.3	1.0
150°-160°	12.0	0.5
160°-170°	3.4	0.1
170°-180°	0.3	0.0
0°-30°	424.1	16.8
0°-40°	714.1	28.3
0°-60°	1359.2	53.9
0°-90°	2039.1	80.8
90°-120°	336.8	13.4
90°-150°	467.7	18.5
90°-180°	483.0	19.1
0°-180°	2522.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	516	516	516	516	516	
5°	510	521	517	517	524	48
15°	491	508	515	526	534	138
25°	454	479	499	517	528	209
35°	401	435	468	494	508	251
45°	337	380	425	460	476	260
55°	263	314	370	412	430	235
65°	181	239	304	352	370	178
75°	92	158	230	281	300	98
85°	17	85	160	213	231	21
90°	1	66	141	193	211	1
95°	0	63	135	186	204	0
105°	1	50	121	169	186	0
115°	1	38	99	144	161	1
125°	1	30	75	113	128	1
135°	1	24	59	84	95	1
145°	1	17	44	64	71	0
155°	2	10	26	41	48	1
165°	2	4	10	17	24	0
175°	2	2	2	2	2	0
180°	1	1	1	1	1	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	515.9	515.9	515.9	515.9	515.9
2.5°	510.8	521.1	515.2	515.9	518.1
5°	510.0	521.1	516.7	517.4	524.1
7.5°	507.1	518.9	516.7	520.4	527.8
10°	501.9	516.7	516.7	522.6	529.2
12.5°	496.7	512.2	515.9	523.3	531.4
15°	490.8	507.8	515.2	525.5	533.7
17.5°	483.4	502.6	512.2	524.8	534.4
20°	474.5	495.2	509.3	522.6	533.7
22.5°	464.2	487.8	504.1	520.4	531.4
25°	453.8	479.0	498.9	516.7	527.8
27.5°	442.0	469.4	492.3	512.2	524.8
30°	428.7	458.3	484.9	507.1	519.6
32.5°	415.4	447.2	476.0	501.1	514.4
35°	401.4	434.6	467.9	494.5	508.5
37.5°	385.8	422.1	458.3	487.1	501.9
40°	370.3	408.7	447.9	479.0	494.5
42.5°	354.1	394.0	436.8	469.4	485.6
45°	337.1	379.9	425.0	459.8	476.0
47.5°	320.1	364.4	412.4	448.7	465.7
50°	301.6	348.1	399.1	436.8	454.6
52.5°	282.4	331.9	385.1	425.0	442.8
55°	263.1	314.1	370.3	411.7	430.2
57.5°	243.2	295.7	354.8	397.7	416.1
60°	222.5	277.2	339.3	382.9	402.1
62.5°	201.8	258.7	322.3	367.4	387.3
65°	181.1	238.7	304.5	351.8	370.3
67.5°	158.9	219.5	286.1	334.8	354.1
70°	136.7	198.8	268.3	317.1	336.3
72.5°	114.6	178.1	249.1	299.4	318.6
75°	92.4	158.2	229.9	280.9	300.1
77.5°	72.4	138.2	210.7	262.4	281.6
80°	51.7	119.0	192.2	244.7	263.1
82.5°	32.5	100.5	175.2	227.7	246.1
85°	17.0	85.0	160.4	212.9	231.4
87.5°	5.2	73.2	147.8	200.3	218.8
90°	0.7	66.5	141.2	192.9	211.4
92.5°	0.0	64.3	138.2	189.2	207.7
95°	0.0	62.8	135.3	186.3	204.0
97.5°	0.0	60.6	132.3	182.6	199.6
100°	0.0	57.7	129.4	178.1	195.9
102.5°	0.0	54.0	125.7	173.7	190.7
105°	0.7	50.3	121.2	169.3	186.3
107.5°	0.7	45.8	116.8	164.1	181.1
110°	0.7	42.1	110.9	157.4	174.4

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.7	39.9	105.0	150.8	167.8
115°	0.7	38.4	99.0	144.1	161.1
117.5°	0.7	36.2	93.1	136.7	153.0
120°	0.7	34.0	87.2	128.6	144.9
122.5°	0.7	31.0	80.6	121.2	136.7
125°	0.7	29.6	74.7	113.1	127.9
127.5°	0.7	28.1	71.0	105.0	119.7
130°	0.7	26.6	67.3	96.8	110.9
132.5°	0.7	25.1	63.6	89.4	102.7
135°	0.7	23.7	59.1	84.3	94.6
137.5°	0.7	22.2	55.4	79.1	88.7
140°	0.7	20.7	51.7	73.9	82.8
142.5°	0.7	19.2	48.0	68.7	77.6
145°	0.7	17.0	43.6	63.6	71.0
147.5°	0.7	14.8	39.2	58.4	65.0
150°	0.7	13.3	34.7	53.2	59.9
152.5°	1.5	11.8	30.3	48.0	54.0
155°	1.5	9.6	25.9	41.4	48.0
157.5°	1.5	8.1	21.4	34.7	42.1
160°	1.5	6.7	17.7	28.1	35.5
162.5°	1.5	5.2	14.0	22.2	29.6
165°	1.5	4.4	10.3	17.0	23.7
167.5°	1.5	3.7	8.1	11.8	18.5
170°	1.5	3.0	5.9	8.1	12.6
172.5°	1.5	2.2	3.7	5.2	3.7
175°	1.5	1.5	2.2	2.2	1.5
177.5°	1.5	1.5	1.5	0.7	0.7
180°	0.7	0.7	0.7	0.7	0.7

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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	16.4	17.7	17.0	18.4	19.1	20.4	21.7	21.0	22.4	23.1
	3H	17.7	19.0	18.4	19.6	20.4	23.1	24.4	23.8	25.0	25.8
	4H	18.1	19.3	18.8	20.0	20.8	24.5	25.7	25.2	26.3	27.1
	6H	18.4	19.4	19.0	20.1	20.9	25.9	27.0	26.6	27.7	28.5
	8H	18.4	19.4	19.1	20.1	20.9	26.6	27.7	27.3	28.4	29.2
	12H	18.4	19.4	19.1	20.1	20.9	27.4	28.4	28.1	29.1	30.0
4H	2H	17.6	18.8	18.3	19.5	20.2	20.7	21.9	21.3	22.5	23.3
	3H	19.2	20.2	19.9	21.0	21.8	23.6	24.6	24.3	25.4	26.2
	4H	19.8	20.7	20.5	21.4	22.3	25.1	26.1	25.8	26.8	27.6
	6H	20.1	21.0	20.8	21.7	22.5	26.7	27.5	27.4	28.3	29.1
	8H	20.2	21.0	20.9	21.7	22.6	27.5	28.3	28.3	29.0	29.9
	12H	20.2	20.9	21.0	21.7	22.6	28.5	29.2	29.2	29.9	30.8
8H	4H	20.8	21.5	21.5	22.3	23.1	25.3	26.1	26.0	26.8	27.6
	6H	21.3	22.0	22.1	22.7	23.6	27.0	27.7	27.7	28.4	29.3
	8H	21.5	22.1	22.2	22.9	23.7	27.9	28.5	28.7	29.3	30.2
	12H	21.6	22.1	22.3	22.9	23.8	29.0	29.5	29.8	30.3	31.2
12H	4H	21.0	21.7	21.8	22.5	23.4	25.3	26.0	26.0	26.7	27.6
	6H	21.7	22.3	22.5	23.1	24.0	27.0	27.6	27.8	28.4	29.3
	8H	22.0	22.5	22.7	23.3	24.2	28.0	28.5	28.8	29.3	30.2

(END OF REPORT)