

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: P1500538

Luminaire Tested: 3CSSV-S3C59-MB-MED-3000K

Issue Date: 7/20/2026

Test Information

Test Method: LM-79-2019
Report Number: P1500538
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-3000K
Description: 3' Vanity SQR Lnr 90CRI-3L5C Sel Matte Blk 2400 Lumen 3000K

Light Source:
Ballast/Driver: -

Summary

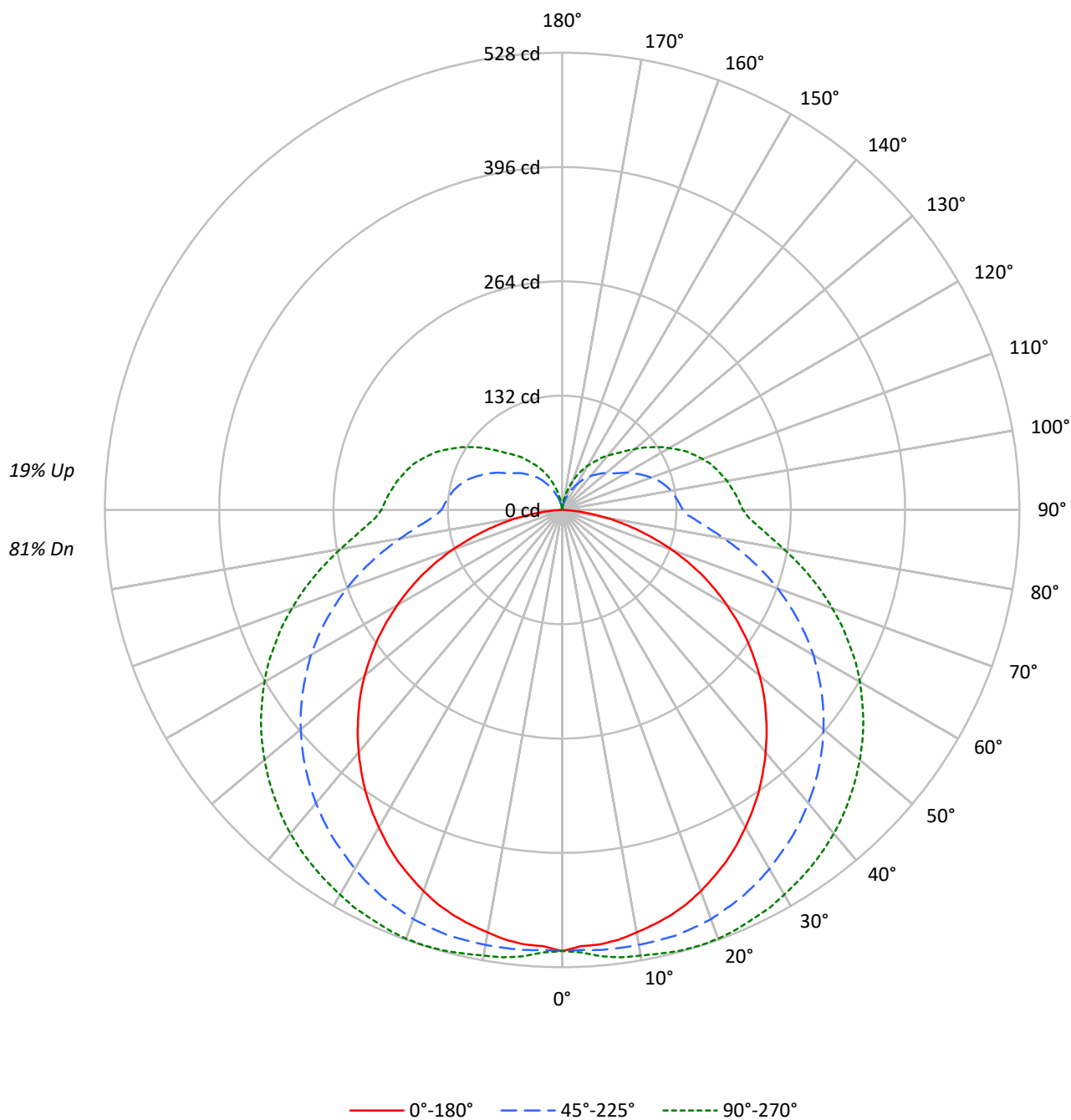
Lumens per Lamp: N/A
Luminaire Lumens: 2490.0 lumens
Efficiency: N/A
Efficacy: 97.3 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.5 / 1.54
Luminous Opening: Rectangular w/ Sides (W: 0.13' x L: 2.92' x H: 0.13')
CIE Type: Semi-Direct

Input Watts (W): 25.6
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				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
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°	14442	14442	14442
5°	14276	13636	13540
10°	14153	12993	12787
15°	14055	12464	12197
20°	13909	11955	11655
25°	13732	11462	11117
30°	13509	10988	10647
35°	13300	10539	10221
40°	13046	10106	9824
45°	12773	9678	9422
50°	12471	9244	9031
55°	12076	8796	8647
60°	11562	8333	8239
65°	10951	7806	7801
70°	9973	7250	7345
75°	8568	6618	6858
80°	6662	5970	6359
85°	3622	5455	5978

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 12773 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.8	2.0
10°-20°	143.7	5.8
20°-30°	226.1	9.1
30°-40°	286.3	11.5
40°-50°	318.4	12.8
50°-60°	318.4	12.8
60°-70°	286.0	11.5
70°-80°	225.8	9.1
80°-90°	159.3	6.4
90°-100°	130.7	5.3
100°-110°	113.1	4.5
110°-120°	88.7	3.6
120°-130°	62.8	2.5
130°-140°	41.4	1.7
140°-150°	25.0	1.0
150°-160°	11.8	0.5
160°-170°	3.4	0.1
170°-180°	0.3	0.0
0°-30°	418.7	16.8
0°-40°	704.9	28.3
0°-60°	1341.7	53.9
0°-90°	2012.8	80.8
90°-120°	332.4	13.4
90°-150°	461.6	18.5
90°-180°	477.0	19.2
0°-180°	2490.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	509	509	509	509	509	
5°	504	514	510	511	517	48
15°	484	501	509	519	527	137
25°	448	473	492	510	521	206
35°	396	429	462	488	502	248
45°	333	375	420	454	470	257
55°	260	310	366	406	425	232
65°	179	236	301	347	366	176
75°	91	156	227	277	296	97
85°	17	84	158	210	228	21
90°	1	66	139	190	209	1
95°	0	62	134	184	201	0
105°	1	50	120	167	184	0
115°	1	38	98	142	159	1
125°	1	29	74	112	126	1
135°	1	23	58	83	93	1
145°	1	17	43	63	70	0
155°	2	10	26	41	47	1
165°	2	4	10	17	23	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°	509.3	509.3	509.3	509.3	509.3
2.5°	504.2	514.4	508.6	509.3	511.5
5°	503.5	514.4	510.0	510.8	517.3
7.5°	500.5	512.2	510.0	513.7	521.0
10°	495.4	510.0	510.0	515.9	522.4
12.5°	490.3	505.7	509.3	516.6	524.6
15°	484.5	501.3	508.6	518.8	526.8
17.5°	477.2	496.2	505.7	518.1	527.5
20°	468.4	488.9	502.7	515.9	526.8
22.5°	458.2	481.6	497.6	513.7	524.6
25°	448.0	472.8	492.5	510.0	521.0
27.5°	436.3	463.3	486.0	505.7	518.1
30°	423.2	452.4	478.7	500.5	512.9
32.5°	410.1	441.4	469.9	494.7	507.8
35°	396.2	429.0	461.9	488.1	502.0
37.5°	380.9	416.6	452.4	480.8	495.4
40°	365.6	403.5	442.2	472.8	488.1
42.5°	349.5	388.9	431.2	463.3	479.4
45°	332.7	375.0	419.6	453.8	469.9
47.5°	315.9	359.7	407.1	442.9	459.7
50°	297.7	343.7	394.0	431.2	448.7
52.5°	278.7	327.6	380.2	419.6	437.1
55°	259.8	310.1	365.6	406.4	424.7
57.5°	240.1	291.9	350.2	392.6	410.8
60°	219.6	273.6	334.9	378.0	396.9
62.5°	199.2	255.4	318.1	362.6	382.3
65°	178.8	235.7	300.6	347.3	365.6
67.5°	156.9	216.7	282.4	330.5	349.5
70°	135.0	196.3	264.9	313.0	332.0
72.5°	113.1	175.8	245.9	295.5	314.5
75°	91.2	156.1	226.9	277.3	296.2
77.5°	71.5	136.4	208.0	259.0	278.0
80°	51.1	117.5	189.7	241.5	259.8
82.5°	32.1	99.2	172.9	224.7	243.0
85°	16.8	83.9	158.3	210.1	228.4
87.5°	5.1	72.2	145.9	197.7	216.0
90°	0.7	65.7	139.4	190.4	208.7
92.5°	0.0	63.5	136.4	186.8	205.0
95°	0.0	62.0	133.5	183.9	201.4
97.5°	0.0	59.8	130.6	180.2	197.0
100°	0.0	56.9	127.7	175.8	193.4
102.5°	0.0	53.3	124.0	171.5	188.3
105°	0.7	49.6	119.7	167.1	183.9
107.5°	0.7	45.2	115.3	162.0	178.8
110°	0.7	41.6	109.4	155.4	172.2

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.7	39.4	103.6	148.8	165.6
115°	0.7	37.9	97.8	142.3	159.1
117.5°	0.7	35.8	91.9	135.0	151.0
120°	0.7	33.6	86.1	127.0	143.0
122.5°	0.7	30.6	79.5	119.7	135.0
125°	0.7	29.2	73.7	111.6	126.2
127.5°	0.7	27.7	70.0	103.6	118.2
130°	0.7	26.3	66.4	95.6	109.4
132.5°	0.7	24.8	62.8	88.3	101.4
135°	0.7	23.3	58.4	83.2	93.4
137.5°	0.7	21.9	54.7	78.1	87.6
140°	0.7	20.4	51.1	73.0	81.7
142.5°	0.7	19.0	47.4	67.9	76.6
145°	0.7	16.8	43.0	62.8	70.0
147.5°	0.7	14.6	38.7	57.6	64.2
150°	0.7	13.1	34.3	52.5	59.1
152.5°	1.5	11.7	29.9	47.4	53.3
155°	1.5	9.5	25.5	40.9	47.4
157.5°	1.5	8.0	21.2	34.3	41.6
160°	1.5	6.6	17.5	27.7	35.0
162.5°	1.5	5.1	13.9	21.9	29.2
165°	1.5	4.4	10.2	16.8	23.3
167.5°	1.5	3.6	8.0	11.7	18.2
170°	1.5	2.9	5.8	8.0	12.4
172.5°	1.5	2.2	3.6	5.1	3.6
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	16.3	17.7	16.9	18.3	19.1	20.3	21.7	21.0	22.3	23.1
	3H	17.7	18.9	18.3	19.6	20.4	23.1	24.3	23.7	25.0	25.8
	4H	18.1	19.3	18.7	19.9	20.7	24.5	25.6	25.1	26.3	27.1
	6H	18.3	19.4	19.0	20.1	20.9	25.9	27.0	26.5	27.6	28.4
	8H	18.3	19.4	19.0	20.1	20.9	26.6	27.6	27.3	28.3	29.2
	12H	18.3	19.3	19.0	20.0	20.9	27.4	28.4	28.1	29.1	29.9
4H	2H	17.6	18.7	18.2	19.4	20.2	20.6	21.8	21.3	22.5	23.3
	3H	19.2	20.2	19.9	20.9	21.7	23.6	24.6	24.3	25.3	26.1
	4H	19.8	20.7	20.4	21.4	22.2	25.1	26.0	25.8	26.7	27.6
	6H	20.1	20.9	20.8	21.7	22.5	26.7	27.5	27.4	28.2	29.1
	8H	20.2	20.9	20.9	21.7	22.5	27.5	28.3	28.2	29.0	29.9
	12H	20.2	20.9	20.9	21.7	22.5	28.4	29.1	29.1	29.9	30.7
8H	4H	20.7	21.5	21.4	22.2	23.1	25.2	26.0	25.9	26.7	27.6
	6H	21.3	21.9	22.0	22.7	23.6	26.9	27.6	27.7	28.4	29.2
	8H	21.4	22.0	22.2	22.8	23.7	27.9	28.5	28.6	29.3	30.1
	12H	21.5	22.1	22.3	22.8	23.8	29.0	29.5	29.7	30.3	31.2
12H	4H	21.0	21.7	21.7	22.4	23.3	25.2	25.9	26.0	26.7	27.6
	6H	21.7	22.3	22.4	23.0	23.9	27.0	27.6	27.7	28.3	29.2
	8H	21.9	22.5	22.7	23.2	24.2	28.0	28.5	28.7	29.3	30.2

(END OF REPORT)