

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: P1500539

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

Issue Date: 7/20/2026

Test Information

Test Method: LM-79-2019
Report Number: P1500539
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-3500K
Description: 3' Vanity SQR Lnr 90CRI-3L5C Sel Matte Blk 2400 Lumen 3500K

Light Source:
Ballast/Driver: -

Summary

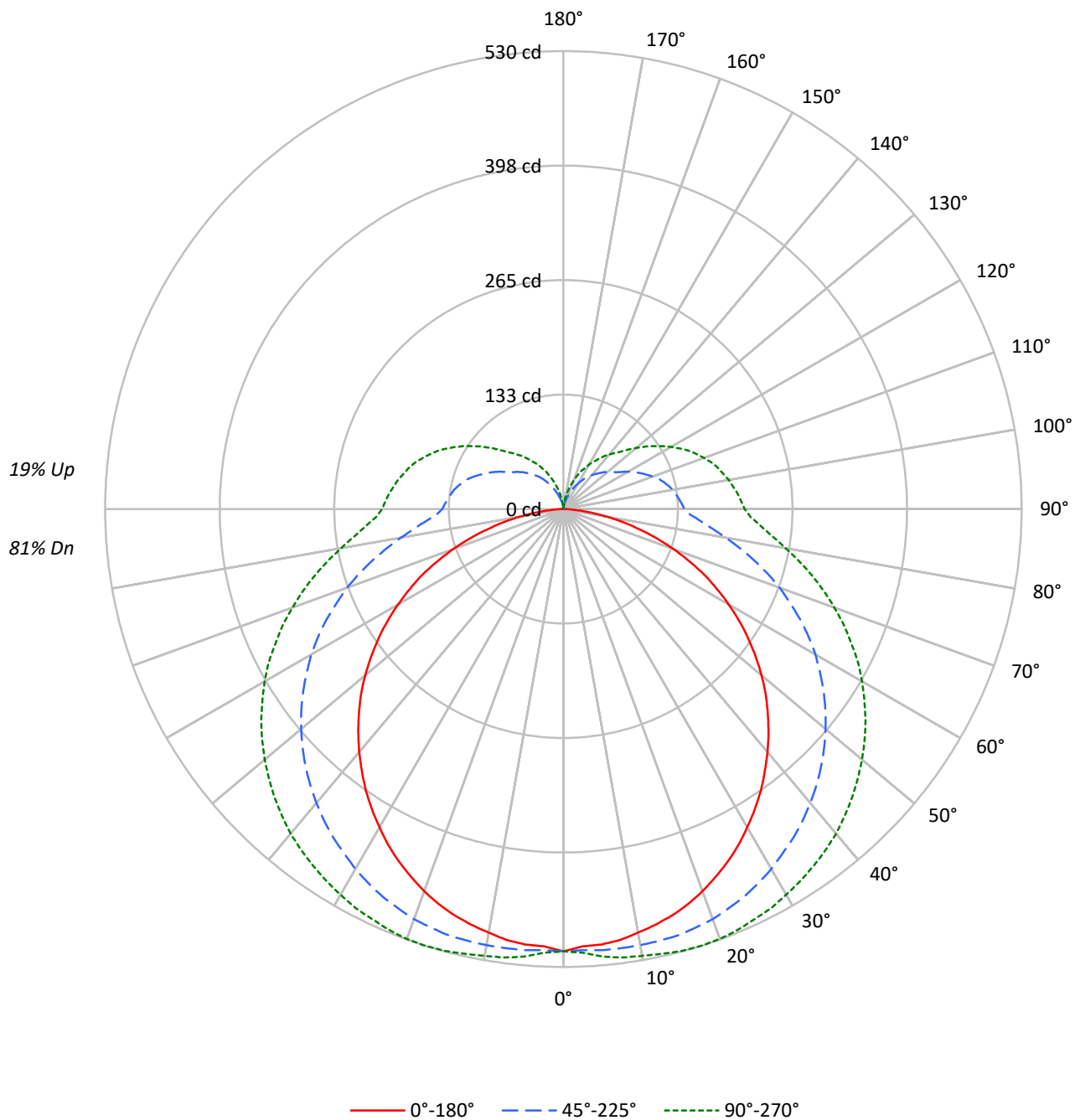
Lumens per Lamp: N/A
Luminaire Lumens: 2502.1 lumens
Efficiency: N/A
Efficacy: 99.3 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.5 / 1.54
Luminous Opening: Rectangular w/ Sides (W: 0.13' x L: 2.92' x H: 0.13')
CIE Type: Semi-Direct

Input Watts (W): 25.2
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			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	0
RCR																		
0	114	114	114	114	110	110	110	110	100	100	100	92	92	92	84	84	84	81
1	102	96	91	86	97	92	87	83	84	80	77	77	74	71	70	68	66	62
2	91	82	74	68	87	79	72	66	72	66	61	66	61	57	60	56	53	50
3	83	71	62	55	78	68	60	53	62	56	50	57	51	47	52	47	44	40
4	75	62	53	46	71	60	51	45	55	48	42	50	44	39	46	41	37	34
5	69	55	46	39	65	53	44	38	49	41	36	45	38	34	41	36	31	29
6	63	50	40	34	60	48	39	33	44	36	31	40	34	29	37	32	27	25
7	59	45	36	29	56	43	34	28	40	32	27	36	30	25	34	28	24	22
8	54	41	32	26	52	39	31	25	36	29	24	33	27	23	31	25	21	19
9	51	37	29	23	48	36	28	22	33	26	21	31	25	20	28	23	19	17
10	47	34	26	21	45	33	25	20	30	24	19	28	22	18	26	21	17	15

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	14513	14513	14513
5°	14344	13703	13605
10°	14222	13056	12851
15°	14122	12523	12257
20°	13977	12015	11712
25°	13799	11517	11170
30°	13576	11041	10699
35°	13364	10589	10270
40°	13106	10154	9872
45°	12834	9724	9468
50°	12530	9289	9075
55°	12132	8837	8688
60°	11620	8373	8280
65°	11000	7845	7837
70°	10017	7286	7380
75°	8615	6650	6893
80°	6688	5998	6389
85°	3644	5482	6007

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 12834 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.0	2.0
10°-20°	144.4	5.8
20°-30°	227.2	9.1
30°-40°	287.7	11.5
40°-50°	319.9	12.8
50°-60°	320.0	12.8
60°-70°	287.3	11.5
70°-80°	226.9	9.1
80°-90°	160.1	6.4
90°-100°	131.4	5.3
100°-110°	113.6	4.5
110°-120°	89.1	3.6
120°-130°	63.1	2.5
130°-140°	41.6	1.7
140°-150°	25.1	1.0
150°-160°	11.9	0.5
160°-170°	3.4	0.1
170°-180°	0.3	0.0
0°-30°	420.7	16.8
0°-40°	708.4	28.3
0°-60°	1348.3	53.9
0°-90°	2022.6	80.8
90°-120°	334.1	13.4
90°-150°	463.9	18.5
90°-180°	479.0	19.1
0°-180°	2502.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	512	512	512	512	512	
5°	506	517	512	513	520	48
15°	487	504	511	521	529	137
25°	450	475	495	512	524	207
35°	398	431	464	490	504	249
45°	334	377	422	456	472	258
55°	261	312	367	408	427	233
65°	180	237	302	349	367	177
75°	92	157	228	279	298	98
85°	17	84	159	211	230	21
90°	1	66	140	191	210	1
95°	0	62	134	185	202	0
105°	1	50	120	168	185	0
115°	1	38	98	143	160	1
125°	1	29	74	112	127	1
135°	1	24	59	84	94	1
145°	1	17	43	63	70	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°	511.8	511.8	511.8	511.8	511.8
2.5°	506.6	516.9	511.0	511.8	514.0
5°	505.9	516.9	512.5	513.2	519.8
7.5°	503.0	514.7	512.5	516.2	523.5
10°	497.8	512.5	512.5	518.4	525.0
12.5°	492.7	508.1	511.8	519.1	527.2
15°	486.8	503.7	511.0	521.3	529.4
17.5°	479.5	498.6	508.1	520.6	530.1
20°	470.7	491.2	505.2	518.4	529.4
22.5°	460.5	483.9	500.0	516.2	527.2
25°	450.2	475.1	494.9	512.5	523.5
27.5°	438.5	465.6	488.3	508.1	520.6
30°	425.3	454.6	481.0	503.0	515.4
32.5°	412.1	443.6	472.2	497.1	510.3
35°	398.1	431.1	464.1	490.5	504.4
37.5°	382.7	418.7	454.6	483.2	497.8
40°	367.3	405.5	444.3	475.1	490.5
42.5°	351.2	390.8	433.3	465.6	481.7
45°	334.3	376.9	421.6	456.1	472.2
47.5°	317.5	361.5	409.1	445.1	461.9
50°	299.1	345.3	395.9	433.3	450.9
52.5°	280.1	329.2	382.0	421.6	439.2
55°	261.0	311.6	367.3	408.4	426.7
57.5°	241.2	293.3	351.9	394.5	412.8
60°	220.7	275.0	336.5	379.8	398.9
62.5°	200.2	256.6	319.7	364.4	384.2
65°	179.6	236.8	302.1	349.0	367.3
67.5°	157.6	217.8	283.7	332.1	351.2
70°	135.6	197.2	266.2	314.5	333.6
72.5°	113.6	176.7	247.1	296.9	316.0
75°	91.7	156.9	228.0	278.6	297.7
77.5°	71.9	137.1	209.0	260.3	279.3
80°	51.3	118.0	190.6	242.7	261.0
82.5°	32.3	99.7	173.8	225.8	244.2
85°	16.9	84.3	159.1	211.2	229.5
87.5°	5.1	72.6	146.6	198.7	217.0
90°	0.7	66.0	140.0	191.4	209.7
92.5°	0.0	63.8	137.1	187.7	206.0
95°	0.0	62.3	134.2	184.8	202.4
97.5°	0.0	60.1	131.2	181.1	198.0
100°	0.0	57.2	128.3	176.7	194.3
102.5°	0.0	53.5	124.6	172.3	189.2
105°	0.7	49.9	120.2	167.9	184.8
107.5°	0.7	45.5	115.8	162.8	179.6
110°	0.7	41.8	110.0	156.2	173.0

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.7	39.6	104.1	149.6	166.4
115°	0.7	38.1	98.2	143.0	159.8
117.5°	0.7	35.9	92.4	135.6	151.8
120°	0.7	33.7	86.5	127.6	143.7
122.5°	0.7	30.8	79.9	120.2	135.6
125°	0.7	29.3	74.1	112.2	126.8
127.5°	0.7	27.9	70.4	104.1	118.8
130°	0.7	26.4	66.7	96.0	110.0
132.5°	0.7	24.9	63.1	88.7	101.9
135°	0.7	23.5	58.7	83.6	93.8
137.5°	0.7	22.0	55.0	78.5	88.0
140°	0.7	20.5	51.3	73.3	82.1
142.5°	0.7	19.1	47.7	68.2	77.0
145°	0.7	16.9	43.3	63.1	70.4
147.5°	0.7	14.7	38.9	57.9	64.5
150°	0.7	13.2	34.5	52.8	59.4
152.5°	1.5	11.7	30.1	47.7	53.5
155°	1.5	9.5	25.7	41.1	47.7
157.5°	1.5	8.1	21.3	34.5	41.8
160°	1.5	6.6	17.6	27.9	35.2
162.5°	1.5	5.1	13.9	22.0	29.3
165°	1.5	4.4	10.3	16.9	23.5
167.5°	1.5	3.7	8.1	11.7	18.3
170°	1.5	2.9	5.9	8.1	12.5
172.5°	1.5	2.2	3.7	5.1	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	16.3	17.7	17.0	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	24.4	23.8	25.0	25.8
	4H	18.1	19.3	18.8	20.0	20.7	24.5	25.7	25.1	26.3	27.1
	6H	18.3	19.4	19.0	20.1	20.9	25.9	27.0	26.6	27.7	28.5
	8H	18.4	19.4	19.0	20.1	20.9	26.6	27.7	27.3	28.4	29.2
	12H	18.4	19.4	19.0	20.1	20.9	27.4	28.4	28.1	29.1	29.9
4H	2H	17.6	18.8	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	20.5	21.4	22.2	25.1	26.0	25.8	26.8	27.6
	6H	20.1	20.9	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	28.2	29.0	29.9
	12H	20.2	20.9	20.9	21.7	22.5	28.4	29.1	29.2	29.9	30.8
8H	4H	20.7	21.5	21.4	22.2	23.1	25.3	26.0	26.0	26.8	27.6
	6H	21.3	21.9	22.0	22.7	23.6	27.0	27.6	27.7	28.4	29.3
	8H	21.5	22.1	22.2	22.8	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	29.7	30.3	31.2
12H	4H	21.0	21.7	21.7	22.5	23.3	25.2	25.9	26.0	26.7	27.6
	6H	21.7	22.3	22.5	23.0	24.0	27.0	27.6	27.7	28.3	29.3
	8H	22.0	22.5	22.7	23.3	24.2	28.0	28.5	28.7	29.3	30.2



(END OF REPORT)