

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: P1500519

Luminaire Tested: 2CSSV-S3C59-MB-LO-3500K

Issue Date: 7/20/2026

Test Information

Test Method: LM-79-2019
Report Number: P1500519
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2605-767-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/20/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 2CSSV-S3C59-MB-LO-3500K
Description: 2' Vanity SQR Lnr 90CRI-3L5C Sel Matte Blk 1200 Lumen 3500K

Light Source:
Ballast/Driver: -

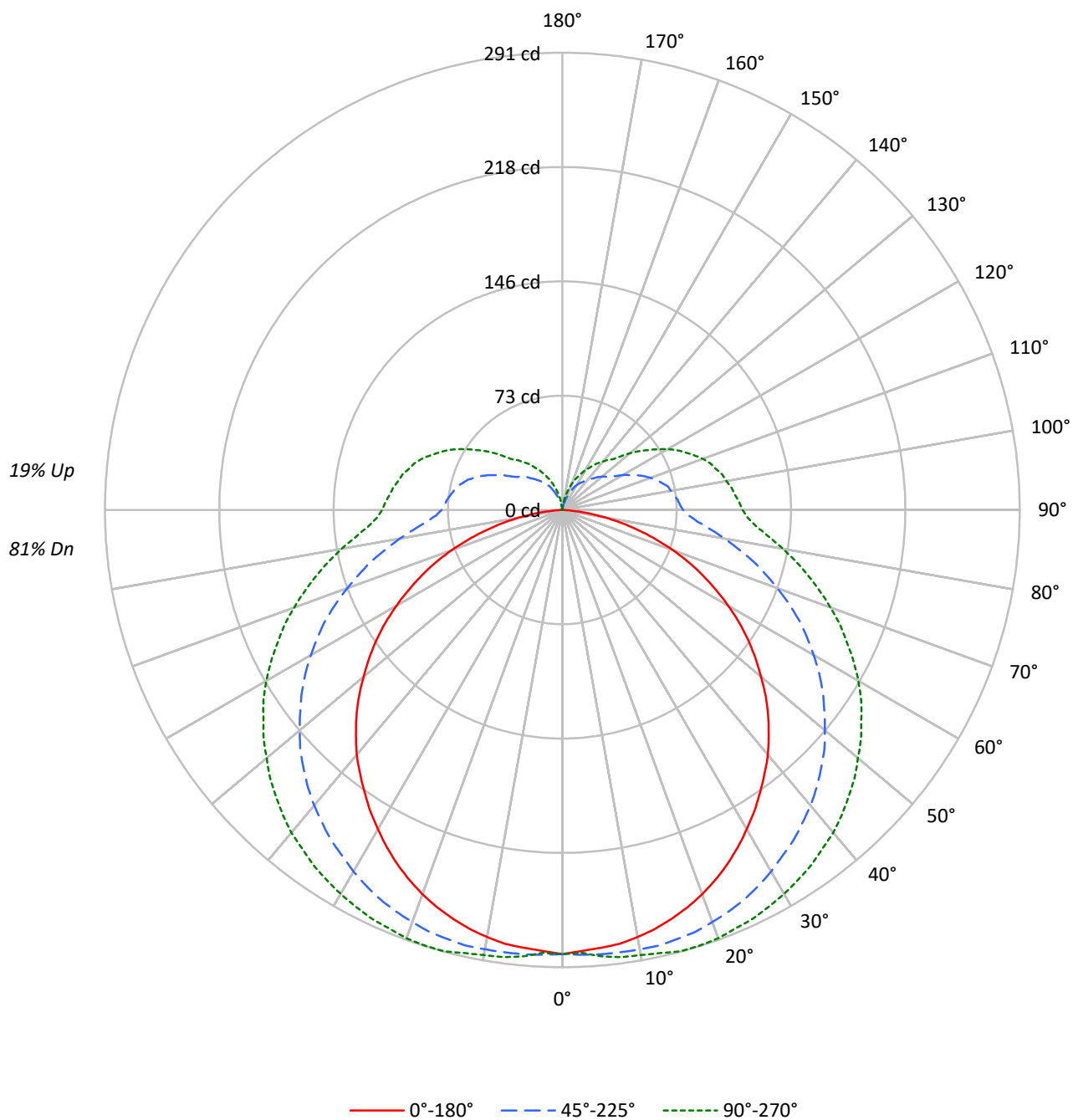
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1364.6 lumens
Efficiency: N/A
Efficacy: 100.3 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.49 / 1.54
Luminous Opening: Rectangular w/ Sides (W: 0.13' x L: 1.92' x H: 0.13')
CIE Type: Semi-Direct

Input Watts (W): 13.6
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					0
RW	70	50	30	10	70	50	30	10		50	30	10		50	30	10		50	30	10
RCR																				
0	115	115	115	115	110	110	110	110		101	101	101		93	93	93		85	85	85
1	102	96	91	86	97	92	87	83		84	80	77		77	74	71		71	68	66
2	92	82	75	68	87	79	72	66		72	66	61		66	61	57		60	57	53
3	83	71	62	55	79	68	60	54		63	56	50		57	52	47		52	48	44
4	75	63	53	46	72	60	51	45		55	48	42		50	44	40		46	41	37
5	69	55	46	39	66	53	44	38		49	42	36		45	39	34		41	36	32
6	63	50	40	34	60	48	39	33		44	37	31		40	34	29		37	32	28
7	59	45	36	29	56	43	35	29		40	32	27		37	30	26		34	28	24
8	54	41	32	26	52	39	31	25		36	29	24		34	27	23		31	26	22
9	51	37	29	23	48	36	28	22		33	26	21		31	25	20		29	23	19
10	47	34	26	21	45	33	25	20		31	24	19		28	23	18		26	21	17

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	12191	12191	12191
5°	12037	11528	11353
10°	11943	10971	10706
15°	11809	10498	10236
20°	11654	10048	9757
25°	11467	9629	9313
30°	11243	9214	8906
35°	11028	8834	8546
40°	10840	8464	8207
45°	10579	8090	7858
50°	10250	7702	7518
55°	9900	7319	7190
60°	9410	6899	6866
65°	8795	6479	6487
70°	7963	5972	6110
75°	6730	5477	5708
80°	4917	4928	5308
85°	2371	4445	4948

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 10579 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.1	2.0
10°-20°	79.7	5.8
20°-30°	125.1	9.2
30°-40°	158.3	11.6
40°-50°	176.1	12.9
50°-60°	175.7	12.9
60°-70°	157.6	11.5
70°-80°	124.1	9.1
80°-90°	87.3	6.4
90°-100°	71.8	5.3
100°-110°	61.9	4.5
110°-120°	47.4	3.5
120°-130°	32.0	2.3
130°-140°	20.3	1.5
140°-150°	12.4	0.9
150°-160°	6.1	0.4
160°-170°	1.7	0.1
170°-180°	0.1	0.0
0°-30°	231.9	17.0
0°-40°	390.2	28.6
0°-60°	741.9	54.4
0°-90°	1110.9	81.4
90°-120°	181.1	13.3
90°-150°	245.9	18.0
90°-180°	254.0	18.6
0°-180°	1364.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	283	283	283	283	283	
5°	280	284	284	285	285	27
15°	269	277	283	288	291	76
25°	249	261	274	283	287	115
35°	219	237	256	270	276	137
45°	185	207	233	251	258	143
55°	144	171	202	224	232	129
65°	99	130	166	191	200	98
75°	51	86	126	152	162	54
85°	8	46	86	115	124	11
90°	0	36	77	104	115	0
95°	0	34	74	100	110	0
105°	0	26	66	92	101	0
115°	0	18	52	78	86	0
125°	0	13	37	58	66	0
135°	0	10	29	41	46	0
145°	0	8	21	31	35	0
155°	1	5	14	21	23	0
165°	1	2	5	8	12	0
175°	1	1	1	1	1	0
180°	0	0	0	0	0	0

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	282.7	282.7	282.7	282.7	282.7
2.5°	280.9	284.6	283.3	282.7	282.1
5°	279.7	283.9	283.9	284.6	285.2
7.5°	278.5	282.7	283.9	285.2	287.0
10°	276.0	281.5	283.9	286.4	287.6
12.5°	273.0	279.7	283.9	287.0	288.8
15°	269.3	276.6	282.7	288.2	290.7
17.5°	265.1	273.6	281.5	288.2	290.7
20°	260.2	269.9	279.1	286.4	290.0
22.5°	254.7	265.7	276.6	284.6	288.2
25°	248.6	260.8	273.6	282.7	287.0
27.5°	241.9	255.3	269.9	280.3	284.6
30°	234.6	249.2	265.7	277.2	282.1
32.5°	227.3	243.1	260.8	273.6	279.1
35°	219.4	237.0	256.5	269.9	276.0
37.5°	211.4	230.3	251.0	266.3	271.8
40°	203.5	222.4	245.6	261.4	268.1
42.5°	194.4	215.1	239.5	256.5	263.2
45°	185.2	206.6	232.8	251.0	257.7
47.5°	175.5	198.6	226.1	245.0	252.3
50°	165.1	189.5	218.1	238.2	245.6
52.5°	154.8	180.4	210.2	231.5	239.5
55°	144.4	170.6	202.3	224.2	232.2
57.5°	133.4	161.5	193.8	216.3	225.5
60°	121.9	151.1	184.6	208.4	217.5
62.5°	110.3	140.8	175.5	199.9	209.0
65°	98.7	130.4	166.3	191.3	199.9
67.5°	87.1	119.4	156.0	181.6	191.3
70°	74.9	108.5	145.6	172.4	181.6
72.5°	62.8	96.9	135.3	162.1	171.8
75°	50.6	85.9	125.5	152.3	162.1
77.5°	39.0	74.9	114.6	142.0	152.3
80°	27.4	64.6	104.8	132.2	142.6
82.5°	17.7	54.8	95.1	123.1	132.8
85°	8.5	46.3	86.5	114.6	124.3
87.5°	2.4	39.6	80.4	107.9	118.2
90°	0.0	36.0	76.8	104.2	114.6
92.5°	0.0	34.7	74.9	102.4	112.7
95°	0.0	34.1	73.7	100.5	110.3
97.5°	0.0	32.9	71.9	98.7	108.5
100°	0.0	31.1	70.1	96.9	106.0
102.5°	0.0	28.6	68.9	94.4	104.2
105°	0.0	26.2	65.8	92.0	101.1
107.5°	0.0	23.2	63.4	89.0	98.7
110°	0.0	20.1	59.7	85.9	95.1

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	18.9	56.1	82.3	90.8
115°	0.0	17.7	52.4	78.0	86.5
117.5°	0.0	17.1	48.1	73.1	82.3
120°	0.0	15.2	44.5	68.2	77.4
122.5°	0.0	14.0	40.2	63.4	71.9
125°	0.0	12.8	36.6	58.5	66.4
127.5°	0.0	11.6	34.7	53.6	61.5
130°	0.0	11.6	32.9	48.7	56.1
132.5°	0.0	11.0	31.1	43.9	50.6
135°	0.0	10.4	28.6	41.4	45.7
137.5°	0.0	9.7	26.8	39.0	43.3
140°	0.0	9.7	25.0	36.6	40.2
142.5°	0.0	9.1	23.2	34.1	37.8
145°	0.0	8.5	21.3	31.1	34.7
147.5°	0.0	7.9	20.1	28.6	31.7
150°	0.0	6.7	18.3	26.2	29.2
152.5°	0.0	5.5	16.5	23.8	26.2
155°	0.6	4.9	14.0	20.7	23.2
157.5°	0.6	3.7	11.6	18.3	20.7
160°	0.6	3.0	9.1	15.2	17.7
162.5°	0.6	2.4	6.7	12.2	14.6
165°	0.6	1.8	4.9	8.5	11.6
167.5°	0.6	1.2	3.7	6.1	8.5
170°	0.6	1.2	2.4	3.7	6.1
172.5°	0.6	0.6	1.2	2.4	1.8
175°	0.6	0.6	0.6	1.2	0.6
177.5°	0.6	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0

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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	15.8	17.1	16.4	17.8	18.5	19.7	21.0	20.3	21.7	22.4
	3H	17.1	18.4	17.8	19.0	19.8	22.4	23.6	23.0	24.3	25.1
	4H	17.5	18.7	18.2	19.4	20.2	23.7	24.9	24.4	25.6	26.4
	6H	17.7	18.8	18.4	19.5	20.3	25.1	26.2	25.8	26.9	27.7
	8H	17.8	18.8	18.4	19.5	20.3	25.8	26.9	26.5	27.5	28.3
	12H	17.8	18.8	18.4	19.5	20.3	26.5	27.6	27.2	28.2	29.1
4H	2H	17.0	18.2	17.6	18.8	19.6	20.0	21.2	20.6	21.8	22.6
	3H	18.6	19.6	19.3	20.3	21.1	22.9	23.9	23.6	24.6	25.4
	4H	19.2	20.1	19.9	20.8	21.6	24.4	25.3	25.1	26.0	26.9
	6H	19.5	20.3	20.2	21.1	21.9	25.9	26.8	26.6	27.5	28.3
	8H	19.6	20.4	20.3	21.1	21.9	26.7	27.5	27.4	28.2	29.1
	12H	19.6	20.3	20.3	21.1	21.9	27.6	28.3	28.3	29.0	29.9
8H	4H	20.1	20.9	20.8	21.6	22.5	24.5	25.3	25.2	26.0	26.9
	6H	20.7	21.3	21.4	22.1	22.9	26.2	26.9	26.9	27.6	28.5
	8H	20.8	21.4	21.6	22.2	23.1	27.1	27.7	27.9	28.5	29.4
	12H	20.9	21.5	21.7	22.2	23.2	28.1	28.7	28.9	29.4	30.4
12H	4H	20.4	21.1	21.1	21.8	22.7	24.5	25.2	25.2	26.0	26.8
	6H	21.1	21.7	21.8	22.4	23.3	26.2	26.8	27.0	27.6	28.5
	8H	21.3	21.9	22.1	22.6	23.6	27.2	27.7	27.9	28.5	29.4

(END OF REPORT)