

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: P1500520

Luminaire Tested: 2CSSV-S3C59-MB-LO-4000K

Issue Date: 7/20/2026

Test Information

Test Method: LM-79-2019
Report Number: P1500520
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-4000K
Description: 2' Vanity SQR Lnr 90CRI-3L5C Sel Matte Blk 1200 Lumen 4000K

Light Source:
Ballast/Driver: -

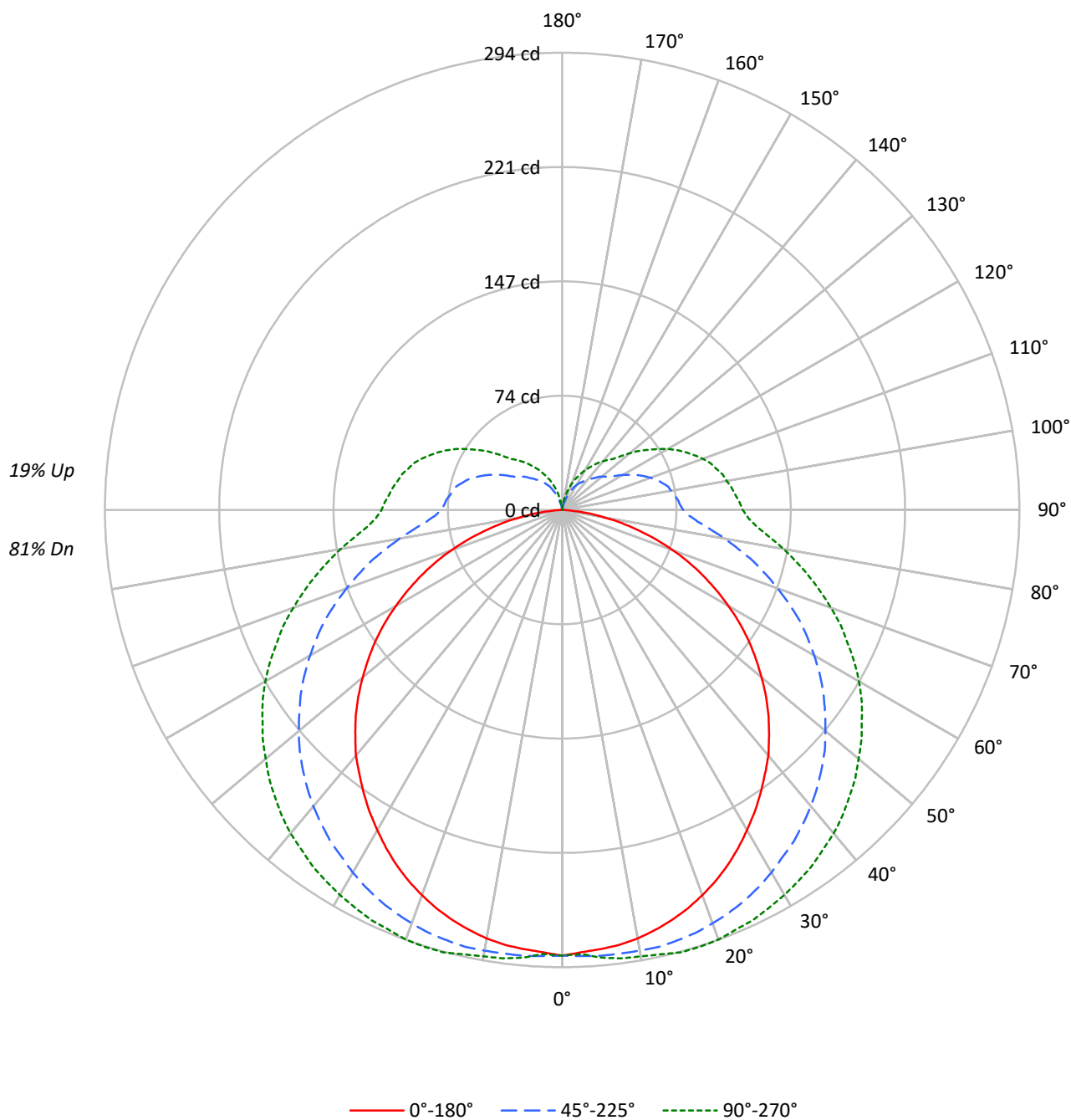
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1382.6 lumens
Efficiency: N/A
Efficacy: 101.7 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	50	30	0
RCR																				
0	115	115	115	115	110	110	110	110	101	101	101	93	93	93	85	85	85	81		
1	102	96	91	86	97	92	87	83	84	80	77	77	74	71	71	68	66	63		
2	92	82	75	68	87	79	72	66	72	66	61	66	61	57	60	57	53	50		
3	83	71	62	55	79	68	60	54	63	56	50	57	52	47	52	48	44	41		
4	75	63	53	46	72	60	51	45	55	48	42	50	44	40	46	41	37	34		
5	69	55	46	39	66	53	44	38	49	42	36	45	39	34	41	36	32	29		
6	63	50	40	34	60	48	39	33	44	37	31	40	34	29	37	32	28	25		
7	59	45	36	29	56	43	35	29	40	32	27	37	30	26	34	28	24	22		
8	54	41	32	26	52	39	31	25	36	29	24	34	27	23	31	26	22	19		
9	51	37	29	23	48	36	28	22	33	26	21	31	25	20	29	23	19	17		
10	47	34	26	21	45	33	25	20	31	24	19	28	23	18	26	21	17	16		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	12355	12355	12355
5°	12196	11683	11500
10°	12104	11118	10848
15°	11967	10639	10370
20°	11806	10181	9889
25°	11619	9755	9437
30°	11391	9336	9023
35°	11173	8951	8661
40°	10984	8574	8314
45°	10721	8194	7962
50°	10386	7805	7616
55°	10030	7416	7283
60°	9534	6993	6958
65°	8910	6565	6571
70°	8069	6054	6191
75°	6810	5552	5782
80°	4988	4993	5379
85°	2399	4506	5012

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 10721 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.4	2.0
10°-20°	80.7	5.8
20°-30°	126.8	9.2
30°-40°	160.4	11.6
40°-50°	178.4	12.9
50°-60°	178.0	12.9
60°-70°	159.6	11.5
70°-80°	125.7	9.1
80°-90°	88.4	6.4
90°-100°	72.7	5.3
100°-110°	62.7	4.5
110°-120°	48.1	3.5
120°-130°	32.4	2.3
130°-140°	20.6	1.5
140°-150°	12.6	0.9
150°-160°	6.1	0.4
160°-170°	1.7	0.1
170°-180°	0.1	0.0
0°-30°	234.9	17.0
0°-40°	395.4	28.6
0°-60°	751.7	54.4
0°-90°	1125.5	81.4
90°-120°	183.5	13.3
90°-150°	249.1	18.0
90°-180°	257.0	18.6
0°-180°	1382.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	286	286	286	286	286	
5°	283	288	288	288	289	27
15°	273	280	286	292	294	77
25°	252	264	277	286	291	116
35°	222	240	260	274	280	139
45°	188	209	236	254	261	145
55°	146	173	205	227	235	131
65°	100	132	168	194	202	99
75°	51	87	127	154	164	54
85°	9	47	88	116	126	11
90°	0	36	78	106	116	0
95°	0	35	75	102	112	0
105°	0	26	67	93	102	0
115°	0	18	53	79	88	0
125°	0	13	37	59	67	0
135°	0	10	29	42	46	0
145°	0	9	22	32	35	0
155°	1	5	14	21	24	0
165°	1	2	5	9	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°	286.5	286.5	286.5	286.5	286.5
2.5°	284.6	288.3	287.1	286.5	285.8
5°	283.4	287.7	287.7	288.3	288.9
7.5°	282.1	286.5	287.7	288.9	290.8
10°	279.7	285.2	287.7	290.2	291.4
12.5°	276.6	283.4	287.7	290.8	292.6
15°	272.9	280.3	286.5	292.0	294.5
17.5°	268.6	277.2	285.2	292.0	294.5
20°	263.6	273.5	282.8	290.2	293.9
22.5°	258.1	269.2	280.3	288.3	292.0
25°	251.9	264.2	277.2	286.5	290.8
27.5°	245.1	258.7	273.5	284.0	288.3
30°	237.7	252.5	269.2	280.9	285.8
32.5°	230.3	246.3	264.2	277.2	282.8
35°	222.3	240.2	259.9	273.5	279.7
37.5°	214.2	233.4	254.4	269.8	275.3
40°	206.2	225.3	248.8	264.9	271.6
42.5°	196.9	217.9	242.6	259.9	266.7
45°	187.7	209.3	235.8	254.4	261.1
47.5°	177.8	201.3	229.0	248.2	255.6
50°	167.3	192.0	221.0	241.4	248.8
52.5°	156.8	182.7	213.0	234.6	242.6
55°	146.3	172.9	205.0	227.2	235.2
57.5°	135.2	163.6	196.3	219.2	228.4
60°	123.5	153.1	187.1	211.1	220.4
62.5°	111.7	142.6	177.8	202.5	211.8
65°	100.0	132.1	168.5	193.9	202.5
67.5°	88.3	121.0	158.0	184.0	193.9
70°	75.9	109.9	147.6	174.7	184.0
72.5°	63.6	98.2	137.1	164.2	174.1
75°	51.2	87.0	127.2	154.3	164.2
77.5°	39.5	75.9	116.1	143.8	154.3
80°	27.8	65.4	106.2	134.0	144.5
82.5°	17.9	55.6	96.3	124.7	134.6
85°	8.6	46.9	87.7	116.1	125.9
87.5°	2.5	40.1	81.5	109.3	119.8
90°	0.0	36.4	77.8	105.6	116.1
92.5°	0.0	35.2	75.9	103.7	114.2
95°	0.0	34.6	74.7	101.9	111.7
97.5°	0.0	33.3	72.8	100.0	109.9
100°	0.0	31.5	71.0	98.2	107.4
102.5°	0.0	29.0	69.8	95.7	105.6
105°	0.0	26.5	66.7	93.2	102.5
107.5°	0.0	23.5	64.2	90.1	100.0
110°	0.0	20.4	60.5	87.0	96.3

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	19.1	56.8	83.3	92.0
115°	0.0	17.9	53.1	79.0	87.7
117.5°	0.0	17.3	48.8	74.1	83.3
120°	0.0	15.4	45.1	69.1	78.4
122.5°	0.0	14.2	40.7	64.2	72.8
125°	0.0	13.0	37.0	59.3	67.3
127.5°	0.0	11.7	35.2	54.3	62.4
130°	0.0	11.7	33.3	49.4	56.8
132.5°	0.0	11.1	31.5	44.5	51.2
135°	0.0	10.5	29.0	42.0	46.3
137.5°	0.0	9.9	27.2	39.5	43.8
140°	0.0	9.9	25.3	37.0	40.7
142.5°	0.0	9.3	23.5	34.6	38.3
145°	0.0	8.6	21.6	31.5	35.2
147.5°	0.0	8.0	20.4	29.0	32.1
150°	0.0	6.8	18.5	26.5	29.6
152.5°	0.0	5.6	16.7	24.1	26.5
155°	0.6	4.9	14.2	21.0	23.5
157.5°	0.6	3.7	11.7	18.5	21.0
160°	0.6	3.1	9.3	15.4	17.9
162.5°	0.6	2.5	6.8	12.3	14.8
165°	0.6	1.9	4.9	8.6	11.7
167.5°	0.6	1.2	3.7	6.2	8.6
170°	0.6	1.2	2.5	3.7	6.2
172.5°	0.6	0.6	1.2	2.5	1.9
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	17.2	16.4	17.8	18.5	19.7	21.1	20.3	21.7	22.5
	3H	17.2	18.4	17.8	19.1	19.8	22.4	23.7	23.1	24.3	25.1
	4H	17.6	18.8	18.2	19.4	20.2	23.8	25.0	24.4	25.6	26.4
	6H	17.8	18.9	18.4	19.6	20.4	25.1	26.2	25.8	26.9	27.7
	8H	17.8	18.9	18.5	19.6	20.4	25.8	26.9	26.5	27.6	28.4
	12H	17.8	18.8	18.5	19.5	20.3	26.6	27.6	27.3	28.3	29.1
4H	2H	17.0	18.2	17.7	18.9	19.7	20.0	21.2	20.7	21.9	22.7
	3H	18.7	19.7	19.3	20.4	21.2	23.0	24.0	23.6	24.7	25.5
	4H	19.2	20.2	19.9	20.9	21.7	24.4	25.4	25.1	26.1	26.9
	6H	19.6	20.4	20.3	21.1	21.9	26.0	26.8	26.7	27.5	28.4
	8H	19.6	20.4	20.3	21.1	22.0	26.8	27.5	27.5	28.3	29.1
	12H	19.7	20.4	20.4	21.1	22.0	27.6	28.3	28.4	29.1	29.9
8H	4H	20.2	20.9	20.9	21.7	22.5	24.6	25.4	25.3	26.1	26.9
	6H	20.7	21.4	21.4	22.1	23.0	26.3	26.9	27.0	27.7	28.5
	8H	20.9	21.5	21.6	22.3	23.1	27.2	27.8	27.9	28.5	29.4
	12H	21.0	21.5	21.7	22.3	23.2	28.2	28.7	28.9	29.5	30.4
12H	4H	20.4	21.1	21.1	21.9	22.7	24.6	25.3	25.3	26.0	26.9
	6H	21.1	21.7	21.9	22.5	23.4	26.3	26.9	27.0	27.6	28.5
	8H	21.4	21.9	22.1	22.7	23.6	27.2	27.8	28.0	28.5	29.5

(END OF REPORT)