

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: P1500521

Luminaire Tested: 2CSSV-S3C59-MB-LO-5000K

Issue Date: 7/20/2026

Test Information

Test Method: LM-79-2019
Report Number: P1500521
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-5000K
Description: 2' Vanity SQR Lnr 90CRI-3L5C Sel Matte Blk 1200 Lumen 5000K

Light Source:
Ballast/Driver: -

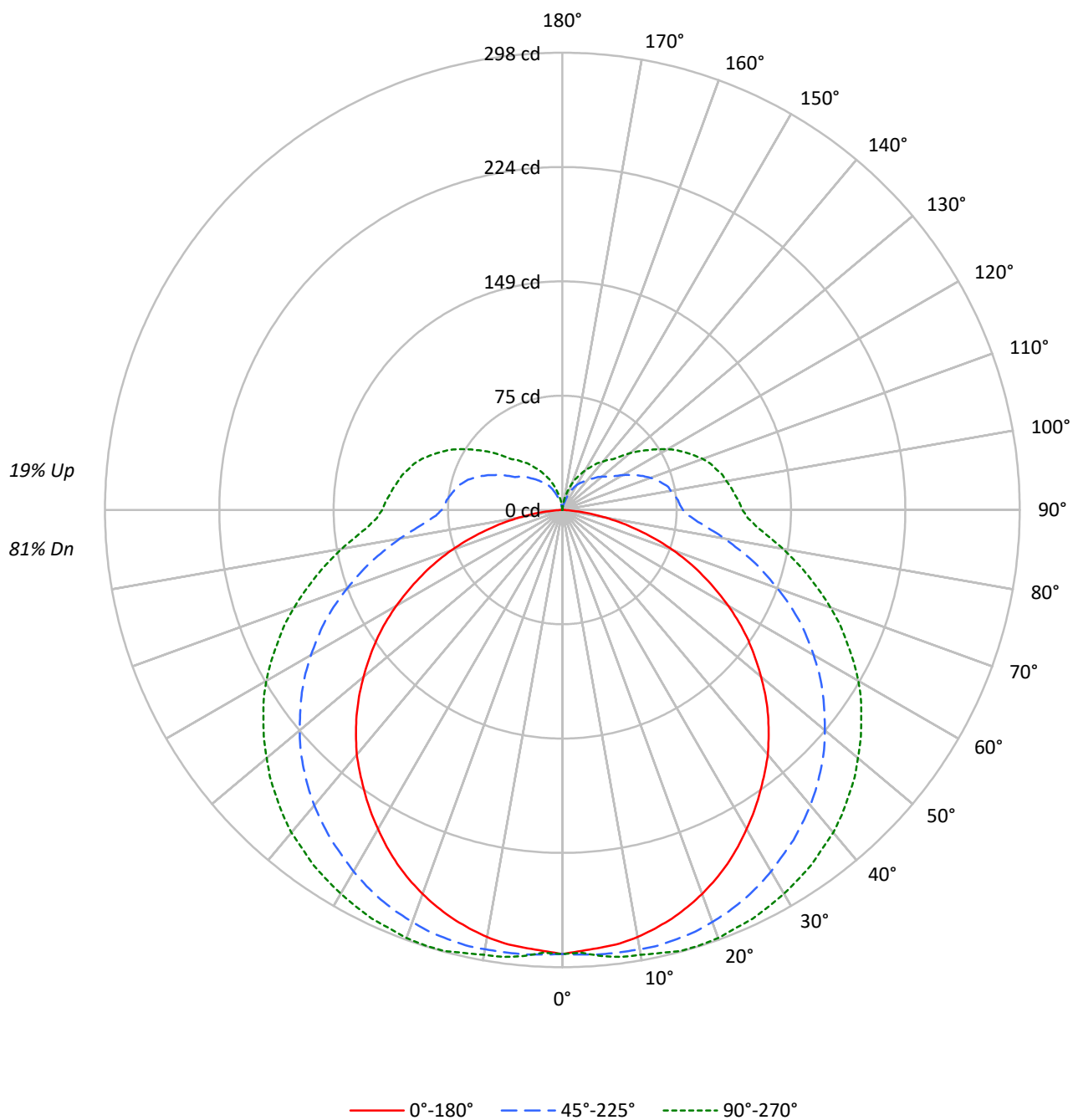
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1396.9 lumens
Efficiency: N/A
Efficacy: 102.7 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
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°	12480	12480	12480
5°	12321	11805	11620
10°	12229	11234	10959
15°	12090	10747	10475
20°	11927	10285	9990
25°	11739	9858	9534
30°	11506	9433	9117
35°	11289	9044	8750
40°	11096	8664	8403
45°	10830	8281	8044
50°	10492	7886	7695
55°	10133	7492	7360
60°	9634	7064	7031
65°	8999	6635	6639
70°	8154	6115	6255
75°	6890	5608	5842
80°	5042	5045	5435
85°	2427	4553	5063

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 10830 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.7	2.0
10°-20°	81.6	5.8
20°-30°	128.1	9.2
30°-40°	162.1	11.6
40°-50°	180.2	12.9
50°-60°	179.8	12.9
60°-70°	161.3	11.5
70°-80°	127.0	9.1
80°-90°	89.4	6.4
90°-100°	73.5	5.3
100°-110°	63.4	4.5
110°-120°	48.6	3.5
120°-130°	32.8	2.3
130°-140°	20.8	1.5
140°-150°	12.7	0.9
150°-160°	6.2	0.4
160°-170°	1.7	0.1
170°-180°	0.1	0.0
0°-30°	237.4	17.0
0°-40°	399.4	28.6
0°-60°	759.5	54.4
0°-90°	1137.2	81.4
90°-120°	185.4	13.3
90°-150°	251.7	18.0
90°-180°	260.0	18.6
0°-180°	1396.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	289	289	289	289	289	
5°	286	291	291	291	292	27
15°	276	283	289	295	298	78
25°	254	267	280	289	294	117
35°	225	243	263	276	283	141
45°	190	212	238	257	264	146
55°	148	175	207	230	238	132
65°	101	134	170	196	205	100
75°	52	88	128	156	166	55
85°	9	47	89	117	127	11
90°	0	37	79	107	117	0
95°	0	35	76	103	113	0
105°	0	27	67	94	104	0
115°	0	18	54	80	89	0
125°	0	13	37	60	68	0
135°	0	11	29	42	47	0
145°	0	9	22	32	36	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°	289.4	289.4	289.4	289.4	289.4
2.5°	287.6	291.3	290.0	289.4	288.8
5°	286.3	290.7	290.7	291.3	291.9
7.5°	285.1	289.4	290.7	291.9	293.8
10°	282.6	288.2	290.7	293.2	294.4
12.5°	279.4	286.3	290.7	293.8	295.7
15°	275.7	283.2	289.4	295.0	297.5
17.5°	271.3	280.1	288.2	295.0	297.5
20°	266.3	276.3	285.7	293.2	296.9
22.5°	260.7	272.0	283.2	291.3	295.0
25°	254.5	267.0	280.1	289.4	293.8
27.5°	247.6	261.4	276.3	286.9	291.3
30°	240.1	255.1	272.0	283.8	288.8
32.5°	232.7	248.9	267.0	280.1	285.7
35°	224.6	242.6	262.6	276.3	282.6
37.5°	216.4	235.8	257.0	272.6	278.2
40°	208.3	227.7	251.4	267.6	274.5
42.5°	199.0	220.2	245.1	262.6	269.5
45°	189.6	211.5	238.3	257.0	263.8
47.5°	179.6	203.3	231.4	250.7	258.2
50°	169.0	194.0	223.3	243.9	251.4
52.5°	158.4	184.6	215.2	237.0	245.1
55°	147.8	174.7	207.1	229.5	237.7
57.5°	136.6	165.3	198.4	221.4	230.8
60°	124.8	154.7	189.0	213.3	222.7
62.5°	112.9	144.1	179.6	204.6	213.9
65°	101.0	133.5	170.3	195.9	204.6
67.5°	89.2	122.3	159.7	185.9	195.9
70°	76.7	111.0	149.1	176.5	185.9
72.5°	64.2	99.2	138.5	165.9	175.9
75°	51.8	87.9	128.5	155.9	165.9
77.5°	39.9	76.7	117.3	145.3	155.9
80°	28.1	66.1	107.3	135.4	146.0
82.5°	18.1	56.1	97.3	126.0	136.0
85°	8.7	47.4	88.6	117.3	127.2
87.5°	2.5	40.5	82.3	110.4	121.0
90°	0.0	36.8	78.6	106.7	117.3
92.5°	0.0	35.6	76.7	104.8	115.4
95°	0.0	34.9	75.5	102.9	112.9
97.5°	0.0	33.7	73.6	101.0	111.0
100°	0.0	31.8	71.7	99.2	108.5
102.5°	0.0	29.3	70.5	96.7	106.7
105°	0.0	26.8	67.4	94.2	103.5
107.5°	0.0	23.7	64.9	91.1	101.0
110°	0.0	20.6	61.1	87.9	97.3

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	19.3	57.4	84.2	92.9
115°	0.0	18.1	53.6	79.8	88.6
117.5°	0.0	17.5	49.3	74.9	84.2
120°	0.0	15.6	45.5	69.9	79.2
122.5°	0.0	14.3	41.2	64.9	73.6
125°	0.0	13.1	37.4	59.9	68.0
127.5°	0.0	11.9	35.6	54.9	63.0
130°	0.0	11.9	33.7	49.9	57.4
132.5°	0.0	11.2	31.8	44.9	51.8
135°	0.0	10.6	29.3	42.4	46.8
137.5°	0.0	10.0	27.4	39.9	44.3
140°	0.0	10.0	25.6	37.4	41.2
142.5°	0.0	9.4	23.7	34.9	38.7
145°	0.0	8.7	21.8	31.8	35.6
147.5°	0.0	8.1	20.6	29.3	32.4
150°	0.0	6.9	18.7	26.8	29.9
152.5°	0.0	5.6	16.8	24.3	26.8
155°	0.6	5.0	14.3	21.2	23.7
157.5°	0.6	3.7	11.9	18.7	21.2
160°	0.6	3.1	9.4	15.6	18.1
162.5°	0.6	2.5	6.9	12.5	15.0
165°	0.6	1.9	5.0	8.7	11.9
167.5°	0.6	1.2	3.7	6.2	8.7
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	16.5	17.8	18.6	19.7	21.1	20.4	21.8	22.5
	3H	17.2	18.4	17.8	19.1	19.9	22.5	23.7	23.1	24.4	25.1
	4H	17.6	18.8	18.3	19.5	20.2	23.8	25.0	24.5	25.7	26.4
	6H	17.8	18.9	18.5	19.6	20.4	25.2	26.3	25.8	27.0	27.8
	8H	17.8	18.9	18.5	19.6	20.4	25.9	26.9	26.6	27.6	28.4
	12H	17.8	18.9	18.5	19.5	20.4	26.6	27.6	27.3	28.3	29.2
4H	2H	17.1	18.3	17.7	18.9	19.7	20.1	21.2	20.7	21.9	22.7
	3H	18.7	19.7	19.4	20.4	21.2	23.0	24.0	23.7	24.7	25.5
	4H	19.3	20.2	19.9	20.9	21.7	24.5	25.4	25.1	26.1	26.9
	6H	19.6	20.4	20.3	21.1	22.0	26.0	26.8	26.7	27.6	28.4
	8H	19.7	20.4	20.4	21.2	22.0	26.8	27.6	27.5	28.3	29.2
	12H	19.7	20.4	20.4	21.1	22.0	27.7	28.4	28.4	29.1	30.0
8H	4H	20.2	21.0	20.9	21.7	22.5	24.6	25.4	25.3	26.1	27.0
	6H	20.7	21.4	21.5	22.2	23.0	26.3	27.0	27.0	27.7	28.6
	8H	20.9	21.5	21.7	22.3	23.2	27.2	27.8	27.9	28.6	29.4
	12H	21.0	21.6	21.8	22.3	23.2	28.2	28.8	29.0	29.5	30.4
12H	4H	20.5	21.2	21.2	21.9	22.8	24.6	25.3	25.3	26.1	26.9
	6H	21.1	21.7	21.9	22.5	23.4	26.3	26.9	27.1	27.7	28.6
	8H	21.4	22.0	22.2	22.7	23.6	27.3	27.8	28.0	28.6	29.5

(END OF REPORT)