

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: P1500515

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

Issue Date: 7/20/2026

Test Information

Test Method: LM-79-2019
Report Number: P1500515
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-HI-4000K
Description: 2' Vanity SQR Lnr 90CRI-3L5C Sel Matte Blk 2000 Lumen 4000K

Light Source:
Ballast/Driver: -

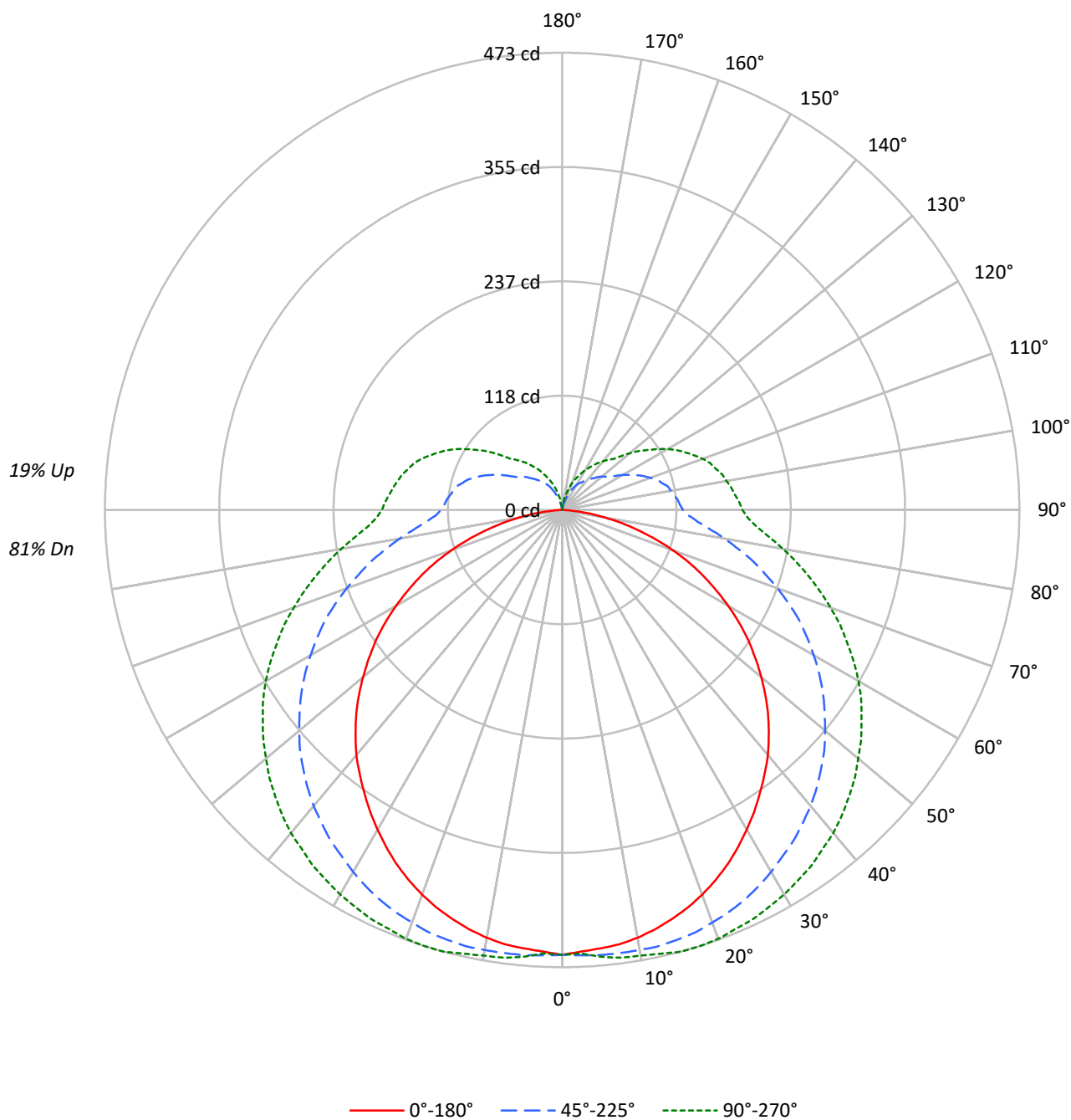
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2221.0 lumens
Efficiency: N/A
Efficacy: 91.0 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): 24.4
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°	19846	19846	19846
5°	19589	18769	18474
10°	19443	17862	17425
15°	19220	17089	16658
20°	18968	16351	15884
25°	18663	15671	15158
30°	18297	14995	14497
35°	17944	14378	13912
40°	17643	13775	13358
45°	17222	13164	12792
50°	16687	12537	12235
55°	16111	11913	11701
60°	15308	11231	11179
65°	14319	10547	10556
70°	12970	9720	9942
75°	10947	8917	9289
80°	8003	8022	8640
85°	3877	7235	8053

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 17222 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.0	2.0
10°-20°	129.7	5.8
20°-30°	203.7	9.2
30°-40°	257.7	11.6
40°-50°	286.5	12.9
50°-60°	285.9	12.9
60°-70°	256.4	11.5
70°-80°	202.0	9.1
80°-90°	142.1	6.4
90°-100°	116.8	5.3
100°-110°	100.7	4.5
110°-120°	77.2	3.5
120°-130°	52.1	2.3
130°-140°	33.1	1.5
140°-150°	20.2	0.9
150°-160°	9.8	0.4
160°-170°	2.7	0.1
170°-180°	0.2	0.0
0°-30°	377.4	17.0
0°-40°	635.1	28.6
0°-60°	1207.6	54.4
0°-90°	1808.1	81.4
90°-120°	294.7	13.3
90°-150°	400.2	18.0
90°-180°	413.0	18.6
0°-180°	2221.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	460	460	460	460	460	
5°	455	462	462	463	464	43
15°	438	450	460	469	473	124
25°	405	424	445	460	467	186
35°	357	386	418	439	449	224
45°	302	336	379	409	420	232
55°	235	278	329	365	378	210
65°	161	212	271	311	325	159
75°	82	140	204	248	264	87
85°	14	75	141	186	202	18
90°	0	58	125	170	186	1
95°	0	56	120	164	180	0
105°	0	43	107	150	165	0
115°	0	29	85	127	141	0
125°	0	21	60	95	108	0
135°	0	17	47	67	74	0
145°	0	14	35	51	56	0
155°	1	8	23	34	38	0
165°	1	3	8	14	19	0
175°	1	1	1	2	1	0
180°	0	0	0	0	0	0

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	460.2	460.2	460.2	460.2	460.2
2.5°	457.2	463.1	461.2	460.2	459.2
5°	455.2	462.2	462.2	463.1	464.1
7.5°	453.2	460.2	462.2	464.1	467.1
10°	449.3	458.2	462.2	466.1	468.1
12.5°	444.3	455.2	462.2	467.1	470.1
15°	438.3	450.3	460.2	469.1	473.1
17.5°	431.4	445.3	458.2	469.1	473.1
20°	423.5	439.3	454.2	466.1	472.1
22.5°	414.5	432.4	450.3	463.1	469.1
25°	404.6	424.5	445.3	460.2	467.1
27.5°	393.7	415.5	439.3	456.2	463.1
30°	381.8	405.6	432.4	451.2	459.2
32.5°	369.9	395.7	424.5	445.3	454.2
35°	357.0	385.8	417.5	439.3	449.3
37.5°	344.1	374.9	408.6	433.4	442.3
40°	331.2	362.0	399.7	425.5	436.4
42.5°	316.4	350.1	389.8	417.5	428.4
45°	301.5	336.2	378.8	408.6	419.5
47.5°	285.6	323.3	367.9	398.7	410.6
50°	268.8	308.4	355.0	387.8	399.7
52.5°	251.9	293.6	342.2	376.9	389.8
55°	235.0	277.7	329.3	365.0	377.9
57.5°	217.2	262.8	315.4	352.1	366.9
60°	198.3	246.0	300.5	339.2	354.1
62.5°	179.5	229.1	285.6	325.3	340.2
65°	160.7	212.2	270.7	311.4	325.3
67.5°	141.8	194.4	253.9	295.5	311.4
70°	122.0	176.5	237.0	280.7	295.5
72.5°	102.1	157.7	220.2	263.8	279.7
75°	82.3	139.8	204.3	247.9	263.8
77.5°	63.5	122.0	186.4	231.1	247.9
80°	44.6	105.1	170.6	215.2	232.1
82.5°	28.8	89.3	154.7	200.3	216.2
85°	13.9	75.4	140.8	186.4	202.3
87.5°	4.0	64.5	130.9	175.5	192.4
90°	0.0	58.5	125.0	169.6	186.4
92.5°	0.0	56.5	122.0	166.6	183.5
95°	0.0	55.5	120.0	163.6	179.5
97.5°	0.0	53.6	117.0	160.7	176.5
100°	0.0	50.6	114.1	157.7	172.6
102.5°	0.0	46.6	112.1	153.7	169.6
105°	0.0	42.6	107.1	149.8	164.6
107.5°	0.0	37.7	103.1	144.8	160.7
110°	0.0	32.7	97.2	139.8	154.7

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	30.7	91.2	133.9	147.8
115°	0.0	28.8	85.3	126.9	140.8
117.5°	0.0	27.8	78.3	119.0	133.9
120°	0.0	24.8	72.4	111.1	126.0
122.5°	0.0	22.8	65.5	103.1	117.0
125°	0.0	20.8	59.5	95.2	108.1
127.5°	0.0	18.8	56.5	87.3	100.2
130°	0.0	18.8	53.6	79.3	91.2
132.5°	0.0	17.9	50.6	71.4	82.3
135°	0.0	16.9	46.6	67.4	74.4
137.5°	0.0	15.9	43.6	63.5	70.4
140°	0.0	15.9	40.7	59.5	65.5
142.5°	0.0	14.9	37.7	55.5	61.5
145°	0.0	13.9	34.7	50.6	56.5
147.5°	0.0	12.9	32.7	46.6	51.6
150°	0.0	10.9	29.8	42.6	47.6
152.5°	0.0	8.9	26.8	38.7	42.6
155°	1.0	7.9	22.8	33.7	37.7
157.5°	1.0	6.0	18.8	29.8	33.7
160°	1.0	5.0	14.9	24.8	28.8
162.5°	1.0	4.0	10.9	19.8	23.8
165°	1.0	3.0	7.9	13.9	18.8
167.5°	1.0	2.0	6.0	9.9	13.9
170°	1.0	2.0	4.0	6.0	9.9
172.5°	1.0	1.0	2.0	4.0	3.0
175°	1.0	1.0	1.0	2.0	1.0
177.5°	1.0	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	17.4	18.8	18.1	19.4	20.2	21.4	22.7	22.0	23.4	24.1
	3H	18.8	20.1	19.4	20.7	21.5	24.1	25.3	24.7	26.0	26.8
	4H	19.2	20.4	19.9	21.1	21.8	25.4	26.6	26.1	27.3	28.0
	6H	19.4	20.5	20.1	21.2	22.0	26.8	27.9	27.5	28.6	29.4
	8H	19.5	20.5	20.1	21.2	22.0	27.5	28.5	28.2	29.2	30.0
	12H	19.5	20.5	20.1	21.2	22.0	28.2	29.2	28.9	29.9	30.8
4H	2H	18.7	19.9	19.3	20.5	21.3	21.7	22.9	22.3	23.5	24.3
	3H	20.3	21.3	21.0	22.0	22.8	24.6	25.6	25.3	26.3	27.1
	4H	20.9	21.8	21.5	22.5	23.3	26.1	27.0	26.8	27.7	28.5
	6H	21.2	22.0	21.9	22.8	23.6	27.6	28.4	28.3	29.2	30.0
	8H	21.3	22.1	22.0	22.8	23.6	28.4	29.2	29.1	29.9	30.8
	12H	21.3	22.0	22.0	22.8	23.6	29.3	30.0	30.0	30.7	31.6
8H	4H	21.8	22.6	22.5	23.3	24.2	26.2	27.0	26.9	27.7	28.6
	6H	22.4	23.0	23.1	23.8	24.6	27.9	28.6	28.6	29.3	30.2
	8H	22.5	23.1	23.3	23.9	24.8	28.8	29.4	29.6	30.2	31.0
	12H	22.6	23.2	23.4	23.9	24.9	29.8	30.4	30.6	31.1	32.1
12H	4H	22.1	22.8	22.8	23.5	24.4	26.2	26.9	26.9	27.7	28.5
	6H	22.8	23.4	23.5	24.1	25.0	27.9	28.5	28.7	29.3	30.2
	8H	23.0	23.6	23.8	24.3	25.2	28.9	29.4	29.6	30.2	31.1

(END OF REPORT)