

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: P1500516

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

Issue Date: 7/20/2026

Test Information

Test Method: LM-79-2019
Report Number: P1500516
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-5000K
Description: 2' Vanity SQR Lnr 90CRI-3L5C Sel Matte Blk 2000 Lumen 5000K

Light Source:
Ballast/Driver: -

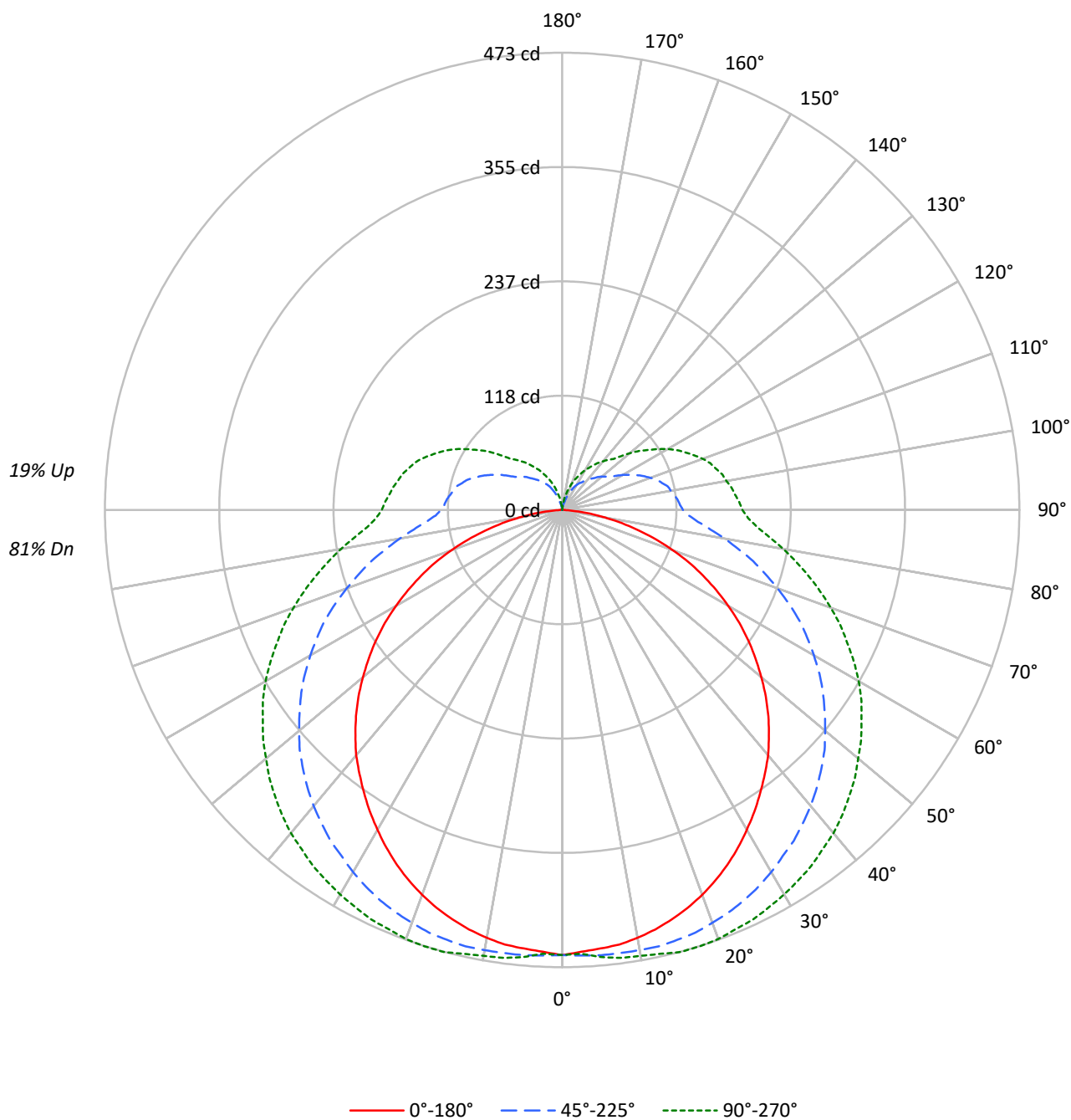
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2221.9 lumens
Efficiency: N/A
Efficacy: 91.4 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): 24.3
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°	19855	19855	19855
5°	19598	18773	18482
10°	19447	17866	17433
15°	19228	17096	16665
20°	18972	16358	15891
25°	18672	15678	15164
30°	18306	15002	14503
35°	17954	14385	13915
40°	17653	13778	13361
45°	17227	13171	12798
50°	16693	12544	12238
55°	16118	11917	11704
60°	15316	11235	11182
65°	14319	10555	10559
70°	12970	9724	9949
75°	10947	8921	9292
80°	8003	8022	8644
85°	3877	7240	8057

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 17227 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.1	2.0
10°-20°	129.8	5.8
20°-30°	203.7	9.2
30°-40°	257.8	11.6
40°-50°	286.7	12.9
50°-60°	286.0	12.9
60°-70°	256.5	11.5
70°-80°	202.1	9.1
80°-90°	142.1	6.4
90°-100°	116.9	5.3
100°-110°	100.8	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°	9.9	0.4
160°-170°	2.7	0.1
170°-180°	0.2	0.0
0°-30°	377.6	17.0
0°-40°	635.3	28.6
0°-60°	1208.0	54.4
0°-90°	1808.8	81.4
90°-120°	294.9	13.3
90°-150°	400.3	18.0
90°-180°	413.0	18.6
0°-180°	2221.9	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	425	446	460	467	186
35°	357	386	418	440	449	224
45°	302	336	379	409	420	232
55°	235	278	329	365	378	210
65°	161	212	271	312	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	68	74	0
145°	0	14	35	51	57	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°	460.4	460.4	460.4	460.4	460.4
2.5°	457.4	463.3	461.3	460.4	459.4
5°	455.4	462.3	462.3	463.3	464.3
7.5°	453.4	460.4	462.3	464.3	467.3
10°	449.4	458.4	462.3	466.3	468.3
12.5°	444.5	455.4	462.3	467.3	470.3
15°	438.5	450.4	460.4	469.3	473.3
17.5°	431.6	445.5	458.4	469.3	473.3
20°	423.6	439.5	454.4	466.3	472.3
22.5°	414.7	432.6	450.4	463.3	469.3
25°	404.8	424.6	445.5	460.4	467.3
27.5°	393.9	415.7	439.5	456.4	463.3
30°	382.0	405.8	432.6	451.4	459.4
32.5°	370.1	395.9	424.6	445.5	454.4
35°	357.2	385.9	417.7	439.5	449.4
37.5°	344.3	375.0	408.8	433.6	442.5
40°	331.4	362.1	399.8	425.6	436.5
42.5°	316.5	350.2	389.9	417.7	428.6
45°	301.6	336.3	379.0	408.8	419.7
47.5°	285.7	323.4	368.1	398.8	410.7
50°	268.9	308.6	355.2	387.9	399.8
52.5°	252.0	293.7	342.3	377.0	389.9
55°	235.1	277.8	329.4	365.1	378.0
57.5°	217.3	262.9	315.5	352.2	367.1
60°	198.4	246.1	300.6	339.3	354.2
62.5°	179.6	229.2	285.7	325.4	340.3
65°	160.7	212.3	270.9	311.5	325.4
67.5°	141.9	194.5	254.0	295.7	311.5
70°	122.0	176.6	237.1	280.8	295.7
72.5°	102.2	157.8	220.3	263.9	279.8
75°	82.3	139.9	204.4	248.0	263.9
77.5°	63.5	122.0	186.5	231.2	248.0
80°	44.6	105.2	170.6	215.3	232.2
82.5°	28.8	89.3	154.8	200.4	216.3
85°	13.9	75.4	140.9	186.5	202.4
87.5°	4.0	64.5	131.0	175.6	192.5
90°	0.0	58.5	125.0	169.7	186.5
92.5°	0.0	56.6	122.0	166.7	183.5
95°	0.0	55.6	120.0	163.7	179.6
97.5°	0.0	53.6	117.1	160.7	176.6
100°	0.0	50.6	114.1	157.8	172.6
102.5°	0.0	46.6	112.1	153.8	169.7
105°	0.0	42.7	107.2	149.8	164.7
107.5°	0.0	37.7	103.2	144.9	160.7
110°	0.0	32.7	97.2	139.9	154.8

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	30.8	91.3	133.9	147.8
115°	0.0	28.8	85.3	127.0	140.9
117.5°	0.0	27.8	78.4	119.1	133.9
120°	0.0	24.8	72.4	111.1	126.0
122.5°	0.0	22.8	65.5	103.2	117.1
125°	0.0	20.8	59.5	95.2	108.1
127.5°	0.0	18.9	56.6	87.3	100.2
130°	0.0	18.9	53.6	79.4	91.3
132.5°	0.0	17.9	50.6	71.4	82.3
135°	0.0	16.9	46.6	67.5	74.4
137.5°	0.0	15.9	43.7	63.5	70.4
140°	0.0	15.9	40.7	59.5	65.5
142.5°	0.0	14.9	37.7	55.6	61.5
145°	0.0	13.9	34.7	50.6	56.6
147.5°	0.0	12.9	32.7	46.6	51.6
150°	0.0	10.9	29.8	42.7	47.6
152.5°	0.0	8.9	26.8	38.7	42.7
155°	1.0	7.9	22.8	33.7	37.7
157.5°	1.0	6.0	18.9	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	18.9
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	29.3	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)