

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: P1500514

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

Issue Date: 7/20/2026

Test Information

Test Method: LM-79-2019
Report Number: P1500514
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-3500K
Description: 2' Vanity SQR Lnr 90CRI-3L5C Sel Matte Blk 2000 Lumen 3500K

Light Source:
Ballast/Driver: -

Summary

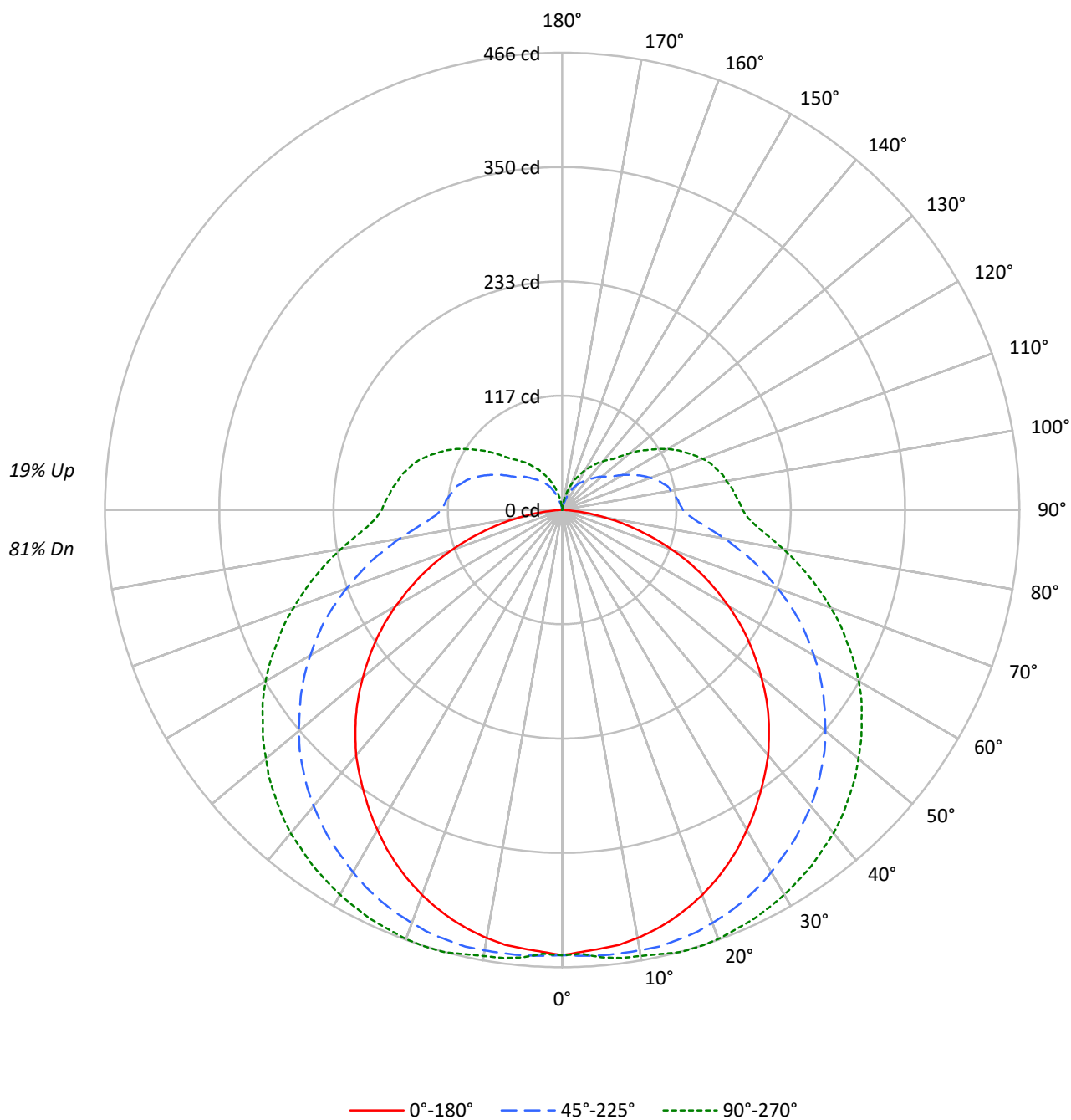
Lumens per Lamp: N/A
Luminaire Lumens: 2189.8 lumens
Efficiency: N/A
Efficacy: 89.7 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.49 / 1.54
Luminous Opening: Rectangular w/ Sides (W: 0.13' x L: 1.92' x H: 0.13')
CIE Type: Semi-Direct

Input Watts (W): 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°	19566	19566	19566
5°	19314	18505	18216
10°	19166	17611	17180
15°	18952	16848	16422
20°	18699	16121	15659
25°	18400	15450	14944
30°	18043	14784	14291
35°	17692	14179	13714
40°	17398	13582	13169
45°	16982	12980	12612
50°	16451	12364	12063
55°	15885	11743	11534
60°	15100	11074	11021
65°	14114	10399	10407
70°	12789	9585	9804
75°	10800	8790	9158
80°	7895	7909	8517
85°	3821	7132	7941

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 16982 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.4	2.0
10°-20°	127.9	5.8
20°-30°	200.8	9.2
30°-40°	254.1	11.6
40°-50°	282.5	12.9
50°-60°	281.9	12.9
60°-70°	252.8	11.5
70°-80°	199.2	9.1
80°-90°	140.1	6.4
90°-100°	115.2	5.3
100°-110°	99.3	4.5
110°-120°	76.1	3.5
120°-130°	51.4	2.3
130°-140°	32.6	1.5
140°-150°	20.0	0.9
150°-160°	9.7	0.4
160°-170°	2.7	0.1
170°-180°	0.2	0.0
0°-30°	372.1	17.0
0°-40°	626.2	28.6
0°-60°	1190.6	54.4
0°-90°	1782.7	81.4
90°-120°	290.6	13.3
90°-150°	394.5	18.0
90°-180°	407.0	18.6
0°-180°	2189.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	454	454	454	454	454	
5°	449	456	456	457	458	43
15°	432	444	454	462	466	122
25°	399	418	439	454	460	184
35°	352	380	412	433	443	220
45°	297	332	374	403	414	229
55°	232	274	325	360	372	207
65°	158	209	267	307	321	157
75°	81	138	201	244	260	86
85°	14	74	139	184	200	18
90°	0	58	123	167	184	1
95°	0	55	118	161	177	0
105°	0	42	106	148	162	0
115°	0	28	84	125	139	0
125°	0	20	59	94	107	0
135°	0	17	46	66	73	0
145°	0	14	34	50	56	0
155°	1	8	22	33	37	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°	453.7	453.7	453.7	453.7	453.7
2.5°	450.8	456.6	454.7	453.7	452.7
5°	448.8	455.7	455.7	456.6	457.6
7.5°	446.9	453.7	455.7	457.6	460.5
10°	442.9	451.7	455.7	459.6	461.5
12.5°	438.1	448.8	455.7	460.5	463.5
15°	432.2	443.9	453.7	462.5	466.4
17.5°	425.3	439.0	451.7	462.5	466.4
20°	417.5	433.2	447.8	459.6	465.4
22.5°	408.7	426.3	443.9	456.6	462.5
25°	398.9	418.5	439.0	453.7	460.5
27.5°	388.2	409.7	433.2	449.8	456.6
30°	376.5	399.9	426.3	444.9	452.7
32.5°	364.7	390.1	418.5	439.0	447.8
35°	352.0	380.4	411.7	433.2	442.9
37.5°	339.3	369.6	402.9	427.3	436.1
40°	326.6	356.9	394.1	419.5	430.2
42.5°	311.9	345.2	384.3	411.7	422.4
45°	297.3	331.5	373.5	402.9	413.6
47.5°	281.6	318.8	362.8	393.1	404.8
50°	265.0	304.1	350.1	382.3	394.1
52.5°	248.4	289.4	337.3	371.6	384.3
55°	231.7	273.8	324.6	359.8	372.5
57.5°	214.1	259.1	310.9	347.1	361.8
60°	195.6	242.5	296.3	334.4	349.1
62.5°	177.0	225.9	281.6	320.7	335.4
65°	158.4	209.3	266.9	307.0	320.7
67.5°	139.8	191.7	250.3	291.4	307.0
70°	120.3	174.0	233.7	276.7	291.4
72.5°	100.7	155.5	217.1	260.1	275.7
75°	81.2	137.9	201.4	244.5	260.1
77.5°	62.6	120.3	183.8	227.8	244.5
80°	44.0	103.6	168.2	212.2	228.8
82.5°	28.4	88.0	152.5	197.5	213.2
85°	13.7	74.3	138.8	183.8	199.5
87.5°	3.9	63.6	129.1	173.1	189.7
90°	0.0	57.7	123.2	167.2	183.8
92.5°	0.0	55.7	120.3	164.3	180.9
95°	0.0	54.8	118.3	161.3	177.0
97.5°	0.0	52.8	115.4	158.4	174.0
100°	0.0	49.9	112.4	155.5	170.1
102.5°	0.0	46.0	110.5	151.6	167.2
105°	0.0	42.0	105.6	147.6	162.3
107.5°	0.0	37.2	101.7	142.8	158.4
110°	0.0	32.3	95.8	137.9	152.5

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	30.3	90.0	132.0	145.7
115°	0.0	28.4	84.1	125.2	138.8
117.5°	0.0	27.4	77.2	117.3	132.0
120°	0.0	24.4	71.4	109.5	124.2
122.5°	0.0	22.5	64.5	101.7	115.4
125°	0.0	20.5	58.7	93.9	106.6
127.5°	0.0	18.6	55.7	86.0	98.8
130°	0.0	18.6	52.8	78.2	90.0
132.5°	0.0	17.6	49.9	70.4	81.2
135°	0.0	16.6	46.0	66.5	73.3
137.5°	0.0	15.6	43.0	62.6	69.4
140°	0.0	15.6	40.1	58.7	64.5
142.5°	0.0	14.7	37.2	54.8	60.6
145°	0.0	13.7	34.2	49.9	55.7
147.5°	0.0	12.7	32.3	46.0	50.8
150°	0.0	10.8	29.3	42.0	46.9
152.5°	0.0	8.8	26.4	38.1	42.0
155°	1.0	7.8	22.5	33.2	37.2
157.5°	1.0	5.9	18.6	29.3	33.2
160°	1.0	4.9	14.7	24.4	28.4
162.5°	1.0	3.9	10.8	19.6	23.5
165°	1.0	2.9	7.8	13.7	18.6
167.5°	1.0	2.0	5.9	9.8	13.7
170°	1.0	2.0	3.9	5.9	9.8
172.5°	1.0	1.0	2.0	3.9	2.9
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	18.0	19.4	20.1	21.3	22.7	21.9	23.3	24.0
	3H	18.8	20.0	19.4	20.7	21.4	24.0	25.3	24.7	25.9	26.7
	4H	19.2	20.4	19.8	21.0	21.8	25.4	26.6	26.0	27.2	28.0
	6H	19.4	20.5	20.0	21.2	22.0	26.7	27.8	27.4	28.5	29.3
	8H	19.4	20.5	20.1	21.2	22.0	27.4	28.5	28.1	29.2	30.0
	12H	19.4	20.4	20.1	21.1	21.9	28.2	29.2	28.9	29.9	30.7
4H	2H	18.6	19.8	19.3	20.5	21.3	21.6	22.8	22.3	23.5	24.2
	3H	20.3	21.3	20.9	22.0	22.8	24.5	25.6	25.2	26.3	27.1
	4H	20.8	21.7	21.5	22.5	23.3	26.0	27.0	26.7	27.7	28.5
	6H	21.2	22.0	21.9	22.7	23.5	27.6	28.4	28.3	29.1	30.0
	8H	21.2	22.0	21.9	22.7	23.6	28.4	29.1	29.1	29.9	30.7
	12H	21.3	22.0	22.0	22.7	23.6	29.2	29.9	30.0	30.7	31.5
8H	4H	21.8	22.5	22.5	23.3	24.1	26.2	26.9	26.9	27.7	28.5
	6H	22.3	23.0	23.0	23.7	24.6	27.9	28.5	28.6	29.3	30.1
	8H	22.5	23.1	23.2	23.9	24.7	28.8	29.4	29.5	30.1	31.0
	12H	22.6	23.1	23.3	23.9	24.8	29.8	30.3	30.5	31.1	32.0
12H	4H	22.0	22.7	22.7	23.5	24.3	26.2	26.9	26.9	27.6	28.5
	6H	22.7	23.3	23.5	24.1	25.0	27.9	28.5	28.6	29.2	30.1
	8H	23.0	23.5	23.7	24.3	25.2	28.8	29.4	29.6	30.1	31.0

(END OF REPORT)