

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: P1500512

Luminaire Tested: 2CSSV-S3C59-MB-HI-2700K

Issue Date: 7/20/2026

Test Information

Test Method: LM-79-2019
Report Number: P1500512
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-2700K
Description: 2' Vanity SQR Lnr 90CRI-3L5C Sel Matte Blk 2000 Lumen 2700K

Light Source:
Ballast/Driver: -

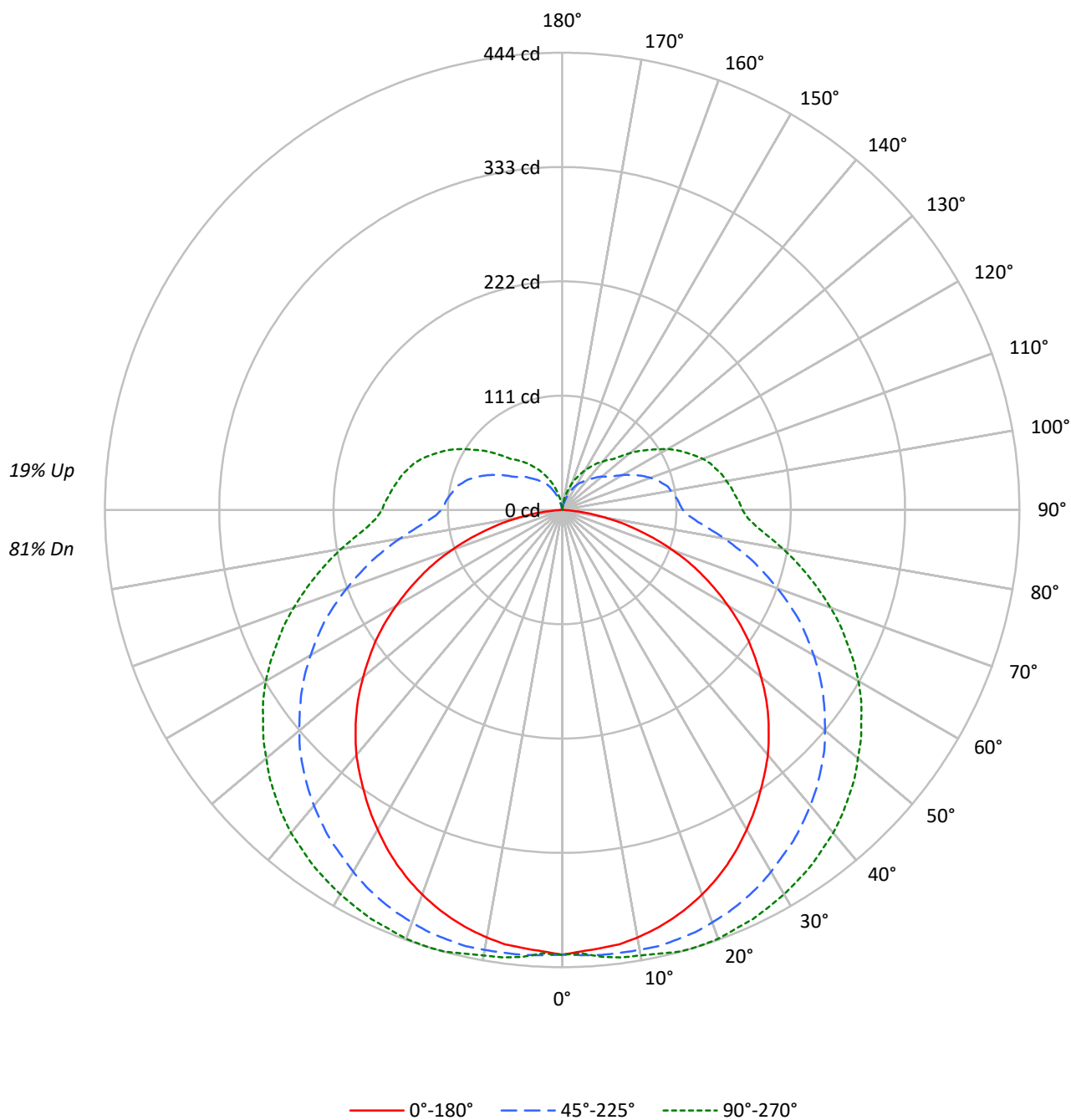
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2084.1 lumens
Efficiency: N/A
Efficacy: 85.8 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			0
RCR																				
0	115	115	115	115	110	110	110	110		101	101	101			93	93	93			85
1	102	96	91	86	97	92	87	83		84	80	77			77	74	71			71
2	92	82	75	68	87	79	72	66		72	66	61			66	61	57			60
3	83	71	62	55	79	68	60	54		63	56	50			57	52	47			52
4	75	63	53	46	72	60	51	45		55	48	42			50	44	40			46
5	69	55	46	39	66	53	44	38		49	42	36			45	39	34			41
6	63	50	40	34	60	48	39	33		44	37	31			40	34	29			37
7	59	45	36	29	56	43	35	29		40	32	27			37	30	26			34
8	54	41	32	26	52	39	31	25		36	29	24			34	27	23			31
9	51	37	29	23	48	36	28	22		33	26	21			31	25	20			29
10	47	34	26	21	45	33	25	20		31	24	19			28	23	18			26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	18621	18621	18621
5°	18384	17611	17336
10°	18244	16760	16350
15°	18036	16034	15630
20°	17799	15343	14905
25°	17514	14704	14223
30°	17171	14070	13603
35°	16838	13493	13054
40°	16556	12924	12535
45°	16159	12354	12002
50°	15657	11767	11479
55°	15124	11179	10980
60°	14366	10540	10487
65°	13437	9900	9904
70°	12173	9121	9330
75°	10268	8367	8715
80°	7519	7528	8108
85°	3626	6788	7555

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 16159 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.3	2.0
10°-20°	121.7	5.8
20°-30°	191.1	9.2
30°-40°	241.8	11.6
40°-50°	268.9	12.9
50°-60°	268.3	12.9
60°-70°	240.6	11.5
70°-80°	189.5	9.1
80°-90°	133.3	6.4
90°-100°	109.6	5.3
100°-110°	94.5	4.5
110°-120°	72.4	3.5
120°-130°	48.9	2.3
130°-140°	31.0	1.5
140°-150°	19.0	0.9
150°-160°	9.2	0.4
160°-170°	2.6	0.1
170°-180°	0.2	0.0
0°-30°	354.1	17.0
0°-40°	595.9	28.6
0°-60°	1133.1	54.4
0°-90°	1696.6	81.4
90°-120°	276.6	13.3
90°-150°	375.5	18.0
90°-180°	387.0	18.6
0°-180°	2084.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	432	432	432	432	432	
5°	427	434	434	435	436	41
15°	411	422	432	440	444	116
25°	380	398	418	432	438	175
35°	335	362	392	412	422	210
45°	283	316	356	383	394	218
55°	221	261	309	342	355	197
65°	151	199	254	292	305	149
75°	77	131	192	233	248	82
85°	13	71	132	175	190	17
90°	0	55	117	159	175	1
95°	0	52	113	154	168	0
105°	0	40	100	140	154	0
115°	0	27	80	119	132	0
125°	0	20	56	89	101	0
135°	0	16	44	63	70	0
145°	0	13	33	48	53	0
155°	1	7	21	32	35	0
165°	1	3	7	13	18	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°	431.8	431.8	431.8	431.8	431.8
2.5°	429.0	434.6	432.7	431.8	430.9
5°	427.2	433.7	433.7	434.6	435.5
7.5°	425.3	431.8	433.7	435.5	438.3
10°	421.6	429.9	433.7	437.4	439.2
12.5°	416.9	427.2	433.7	438.3	441.1
15°	411.3	422.5	431.8	440.2	443.9
17.5°	404.8	417.8	429.9	440.2	443.9
20°	397.4	412.3	426.2	437.4	443.0
22.5°	389.0	405.7	422.5	434.6	440.2
25°	379.7	398.3	417.8	431.8	438.3
27.5°	369.5	389.9	412.3	428.1	434.6
30°	358.3	380.6	405.7	423.4	430.9
32.5°	347.1	371.3	398.3	417.8	426.2
35°	335.0	362.0	391.8	412.3	421.6
37.5°	322.9	351.8	383.4	406.7	415.1
40°	310.8	339.7	375.0	399.2	409.5
42.5°	296.9	328.5	365.7	391.8	402.0
45°	282.9	315.5	355.5	383.4	393.6
47.5°	268.0	303.4	345.3	374.1	385.3
50°	252.2	289.4	333.2	363.9	375.0
52.5°	236.4	275.5	321.1	353.6	365.7
55°	220.6	260.6	309.0	342.5	354.6
57.5°	203.8	246.6	295.9	330.4	344.3
60°	186.1	230.8	282.0	318.3	332.2
62.5°	168.4	215.0	268.0	305.2	319.2
65°	150.8	199.2	254.1	292.2	305.2
67.5°	133.1	182.4	238.2	277.3	292.2
70°	114.5	165.6	222.4	263.4	277.3
72.5°	95.9	148.0	206.6	247.5	262.4
75°	77.2	131.2	191.7	232.7	247.5
77.5°	59.6	114.5	175.0	216.8	232.7
80°	41.9	98.6	160.1	201.9	217.8
82.5°	27.0	83.8	145.2	188.0	202.9
85°	13.0	70.7	132.1	175.0	189.8
87.5°	3.7	60.5	122.8	164.7	180.5
90°	0.0	54.9	117.3	159.1	175.0
92.5°	0.0	53.0	114.5	156.3	172.2
95°	0.0	52.1	112.6	153.6	168.4
97.5°	0.0	50.3	109.8	150.8	165.6
100°	0.0	47.5	107.0	148.0	161.9
102.5°	0.0	43.7	105.2	144.2	159.1
105°	0.0	40.0	100.5	140.5	154.5
107.5°	0.0	35.4	96.8	135.9	150.8
110°	0.0	30.7	91.2	131.2	145.2

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	28.8	85.6	125.6	138.7
115°	0.0	27.0	80.0	119.1	132.1
117.5°	0.0	26.1	73.5	111.7	125.6
120°	0.0	23.3	67.9	104.2	118.2
122.5°	0.0	21.4	61.4	96.8	109.8
125°	0.0	19.5	55.8	89.3	101.4
127.5°	0.0	17.7	53.0	81.9	94.0
130°	0.0	17.7	50.3	74.4	85.6
132.5°	0.0	16.8	47.5	67.0	77.2
135°	0.0	15.8	43.7	63.3	69.8
137.5°	0.0	14.9	40.9	59.6	66.1
140°	0.0	14.9	38.2	55.8	61.4
142.5°	0.0	14.0	35.4	52.1	57.7
145°	0.0	13.0	32.6	47.5	53.0
147.5°	0.0	12.1	30.7	43.7	48.4
150°	0.0	10.2	27.9	40.0	44.7
152.5°	0.0	8.4	25.1	36.3	40.0
155°	0.9	7.4	21.4	31.6	35.4
157.5°	0.9	5.6	17.7	27.9	31.6
160°	0.9	4.7	14.0	23.3	27.0
162.5°	0.9	3.7	10.2	18.6	22.3
165°	0.9	2.8	7.4	13.0	17.7
167.5°	0.9	1.9	5.6	9.3	13.0
170°	0.9	1.9	3.7	5.6	9.3
172.5°	0.9	0.9	1.9	3.7	2.8
175°	0.9	0.9	0.9	1.9	0.9
177.5°	0.9	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	17.2	18.6	17.8	19.2	20.0	21.1	22.5	21.8	23.1	23.9
	3H	18.6	19.8	19.2	20.5	21.3	23.9	25.1	24.5	25.8	26.5
	4H	19.0	20.2	19.6	20.8	21.6	25.2	26.4	25.9	27.0	27.8
	6H	19.2	20.3	19.9	21.0	21.8	26.6	27.7	27.2	28.3	29.1
	8H	19.2	20.3	19.9	21.0	21.8	27.3	28.3	27.9	29.0	29.8
	12H	19.2	20.2	19.9	20.9	21.8	28.0	29.0	28.7	29.7	30.5
4H	2H	18.5	19.6	19.1	20.3	21.1	21.5	22.6	22.1	23.3	24.1
	3H	20.1	21.1	20.8	21.8	22.6	24.4	25.4	25.0	26.1	26.9
	4H	20.6	21.6	21.3	22.3	23.1	25.9	26.8	26.5	27.5	28.3
	6H	21.0	21.8	21.7	22.5	23.4	27.4	28.2	28.1	29.0	29.8
	8H	21.1	21.8	21.8	22.6	23.4	28.2	29.0	28.9	29.7	30.5
	12H	21.1	21.8	21.8	22.5	23.4	29.1	29.8	29.8	30.5	31.4
8H	4H	21.6	22.4	22.3	23.1	23.9	26.0	26.8	26.7	27.5	28.4
	6H	22.1	22.8	22.9	23.6	24.4	27.7	28.3	28.4	29.1	30.0
	8H	22.3	22.9	23.1	23.7	24.5	28.6	29.2	29.3	30.0	30.8
	12H	22.4	23.0	23.2	23.7	24.6	29.6	30.1	30.4	30.9	31.8
12H	4H	21.8	22.6	22.6	23.3	24.2	26.0	26.7	26.7	27.4	28.3
	6H	22.5	23.1	23.3	23.9	24.8	27.7	28.3	28.5	29.0	30.0
	8H	22.8	23.3	23.6	24.1	25.0	28.7	29.2	29.4	30.0	30.9



(END OF REPORT)