

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: P1500524

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

Issue Date: 7/20/2026

Test Information

Test Method: LM-79-2019
Report Number: P1500524
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-MED-3500K
Description: 2' Vanity SQR Lnr 90CRI-3L5C Sel Matte Blk 1600 Lumen 3500K

Light Source:
Ballast/Driver: -

Summary

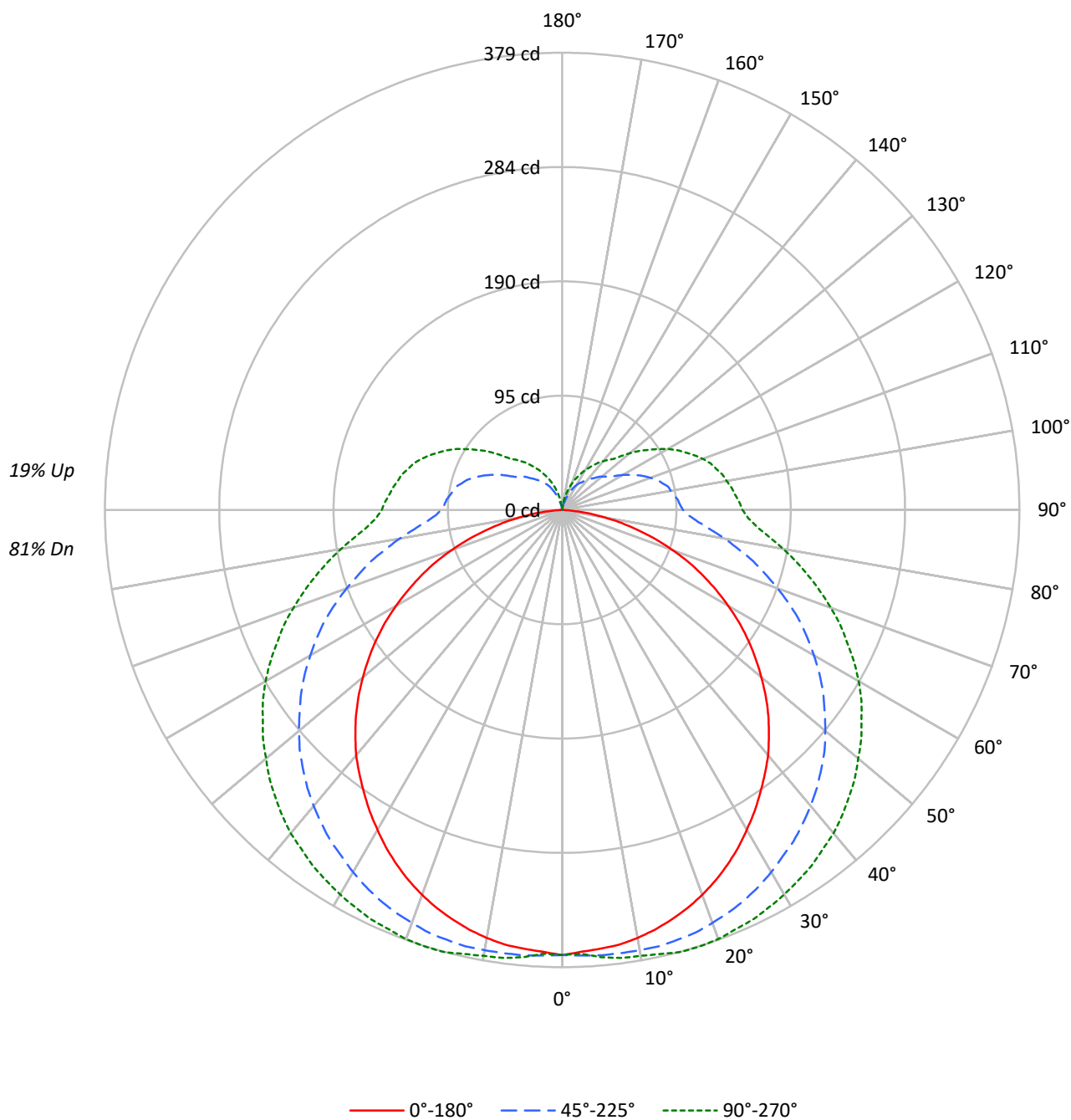
Lumens per Lamp: N/A
Luminaire Lumens: 1780.7 lumens
Efficiency: N/A
Efficacy: 95.2 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.49 / 1.54
Luminous Opening: Rectangular w/ Sides (W: 0.13' x L: 1.92' x H: 0.13')
CIE Type: Semi-Direct

Input Watts (W): 18.7
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°	15909	15909	15909
5°	15708	15045	14812
10°	15587	14318	13971
15°	15409	13699	13356
20°	15206	13111	12735
25°	14963	12564	12153
30°	14669	12023	11621
35°	14385	11530	11153
40°	14148	11042	10711
45°	13806	10554	10255
50°	13378	10054	9808
55°	12916	9551	9379
60°	12274	9004	8963
65°	11477	8458	8463
70°	10397	7793	7971
75°	8779	7149	7447
80°	6424	6432	6928
85°	3096	5801	6457

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 13806 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.3	2.0
10°-20°	104.0	5.8
20°-30°	163.3	9.2
30°-40°	206.6	11.6
40°-50°	229.7	12.9
50°-60°	229.2	12.9
60°-70°	205.6	11.5
70°-80°	161.9	9.1
80°-90°	113.9	6.4
90°-100°	93.6	5.3
100°-110°	80.8	4.5
110°-120°	61.9	3.5
120°-130°	41.8	2.3
130°-140°	26.5	1.5
140°-150°	16.2	0.9
150°-160°	7.9	0.4
160°-170°	2.2	0.1
170°-180°	0.2	0.0
0°-30°	302.6	17.0
0°-40°	509.2	28.6
0°-60°	968.2	54.4
0°-90°	1449.6	81.4
90°-120°	236.3	13.3
90°-150°	320.8	18.0
90°-180°	331.0	18.6
0°-180°	1780.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	369	369	369	369	369	
5°	365	370	370	371	372	35
15°	351	361	369	376	379	99
25°	324	340	357	369	374	149
35°	286	309	335	352	360	179
45°	242	270	304	328	336	186
55°	188	223	264	293	303	168
65°	129	170	217	250	261	127
75°	66	112	164	199	212	70
85°	11	60	113	150	162	15
90°	0	47	100	136	150	0
95°	0	44	96	131	144	0
105°	0	34	86	120	132	0
115°	0	23	68	102	113	0
125°	0	17	48	76	87	0
135°	0	14	37	54	60	0
145°	0	11	28	41	45	0
155°	1	6	18	27	30	0
165°	1	2	6	11	15	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°	368.9	368.9	368.9	368.9	368.9
2.5°	366.6	371.3	369.7	368.9	368.1
5°	365.0	370.5	370.5	371.3	372.1
7.5°	363.4	368.9	370.5	372.1	374.5
10°	360.2	367.4	370.5	373.7	375.3
12.5°	356.2	365.0	370.5	374.5	376.9
15°	351.4	361.0	368.9	376.1	379.3
17.5°	345.9	357.0	367.4	376.1	379.3
20°	339.5	352.2	364.2	373.7	378.5
22.5°	332.4	346.7	361.0	371.3	376.1
25°	324.4	340.3	357.0	368.9	374.5
27.5°	315.7	333.2	352.2	365.8	371.3
30°	306.1	325.2	346.7	361.8	368.1
32.5°	296.6	317.3	340.3	357.0	364.2
35°	286.2	309.3	334.8	352.2	360.2
37.5°	275.9	300.6	327.6	347.5	354.6
40°	265.6	290.2	320.4	341.1	349.9
42.5°	253.6	280.7	312.5	334.8	343.5
45°	241.7	269.6	303.7	327.6	336.3
47.5°	229.0	259.2	295.0	319.6	329.2
50°	215.5	247.3	284.7	310.9	320.4
52.5°	202.0	235.4	274.3	302.2	312.5
55°	188.4	222.6	264.0	292.6	302.9
57.5°	174.1	210.7	252.9	282.3	294.2
60°	159.0	197.2	240.9	271.9	283.9
62.5°	143.9	183.7	229.0	260.8	272.7
65°	128.8	170.2	217.1	249.7	260.8
67.5°	113.7	155.8	203.6	236.9	249.7
70°	97.8	141.5	190.0	225.0	236.9
72.5°	81.9	126.4	176.5	211.5	224.2
75°	66.0	112.1	163.8	198.8	211.5
77.5°	50.9	97.8	149.5	185.3	198.8
80°	35.8	84.3	136.8	172.5	186.1
82.5°	23.1	71.6	124.0	160.6	173.3
85°	11.1	60.4	112.9	149.5	162.2
87.5°	3.2	51.7	105.0	140.7	154.3
90°	0.0	46.9	100.2	136.0	149.5
92.5°	0.0	45.3	97.8	133.6	147.1
95°	0.0	44.5	96.2	131.2	143.9
97.5°	0.0	42.9	93.8	128.8	141.5
100°	0.0	40.6	91.4	126.4	138.4
102.5°	0.0	37.4	89.9	123.2	136.0
105°	0.0	34.2	85.9	120.1	132.0
107.5°	0.0	30.2	82.7	116.1	128.8
110°	0.0	26.2	77.9	112.1	124.0

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	24.6	73.2	107.3	118.5
115°	0.0	23.1	68.4	101.8	112.9
117.5°	0.0	22.3	62.8	95.4	107.3
120°	0.0	19.9	58.0	89.1	101.0
122.5°	0.0	18.3	52.5	82.7	93.8
125°	0.0	16.7	47.7	76.3	86.7
127.5°	0.0	15.1	45.3	70.0	80.3
130°	0.0	15.1	42.9	63.6	73.2
132.5°	0.0	14.3	40.6	57.2	66.0
135°	0.0	13.5	37.4	54.1	59.6
137.5°	0.0	12.7	35.0	50.9	56.5
140°	0.0	12.7	32.6	47.7	52.5
142.5°	0.0	11.9	30.2	44.5	49.3
145°	0.0	11.1	27.8	40.6	45.3
147.5°	0.0	10.3	26.2	37.4	41.3
150°	0.0	8.7	23.9	34.2	38.2
152.5°	0.0	7.2	21.5	31.0	34.2
155°	0.8	6.4	18.3	27.0	30.2
157.5°	0.8	4.8	15.1	23.9	27.0
160°	0.8	4.0	11.9	19.9	23.1
162.5°	0.8	3.2	8.7	15.9	19.1
165°	0.8	2.4	6.4	11.1	15.1
167.5°	0.8	1.6	4.8	8.0	11.1
170°	0.8	1.6	3.2	4.8	8.0
172.5°	0.8	0.8	1.6	3.2	2.4
175°	0.8	0.8	0.8	1.6	0.8
177.5°	0.8	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	16.7	18.0	17.3	18.7	19.4	20.6	22.0	21.2	22.6	23.3
	3H	18.0	19.3	18.7	19.9	20.7	23.3	24.6	24.0	25.2	26.0
	4H	18.4	19.6	19.1	20.3	21.1	24.7	25.8	25.3	26.5	27.3
	6H	18.7	19.8	19.3	20.4	21.2	26.0	27.1	26.7	27.8	28.6
	8H	18.7	19.7	19.4	20.4	21.2	26.7	27.8	27.4	28.5	29.3
	12H	18.7	19.7	19.4	20.4	21.2	27.5	28.5	28.1	29.2	30.0
4H	2H	17.9	19.1	18.6	19.8	20.5	20.9	22.1	21.6	22.8	23.5
	3H	19.5	20.6	20.2	21.3	22.1	23.8	24.8	24.5	25.5	26.3
	4H	20.1	21.0	20.8	21.7	22.6	25.3	26.2	26.0	26.9	27.8
	6H	20.4	21.3	21.1	22.0	22.8	26.9	27.7	27.6	28.4	29.2
	8H	20.5	21.3	21.2	22.0	22.9	27.6	28.4	28.3	29.1	30.0
	12H	20.5	21.2	21.3	22.0	22.8	28.5	29.2	29.2	30.0	30.8
8H	4H	21.0	21.8	21.7	22.5	23.4	25.5	26.2	26.2	27.0	27.8
	6H	21.6	22.3	22.3	23.0	23.9	27.1	27.8	27.9	28.6	29.4
	8H	21.8	22.4	22.5	23.1	24.0	28.0	28.6	28.8	29.4	30.3
	12H	21.9	22.4	22.6	23.2	24.1	29.1	29.6	29.8	30.4	31.3
12H	4H	21.3	22.0	22.0	22.8	23.6	25.4	26.2	26.2	26.9	27.8
	6H	22.0	22.6	22.7	23.3	24.2	27.2	27.8	27.9	28.5	29.4
	8H	22.3	22.8	23.0	23.6	24.5	28.1	28.6	28.9	29.4	30.3

(END OF REPORT)