

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: P1500517

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

Issue Date: 7/20/2026

Test Information

Test Method: LM-79-2019
Report Number: P1500517
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-LO-2700K
Description:
Light Source:
Ballast/Driver: -

Summary

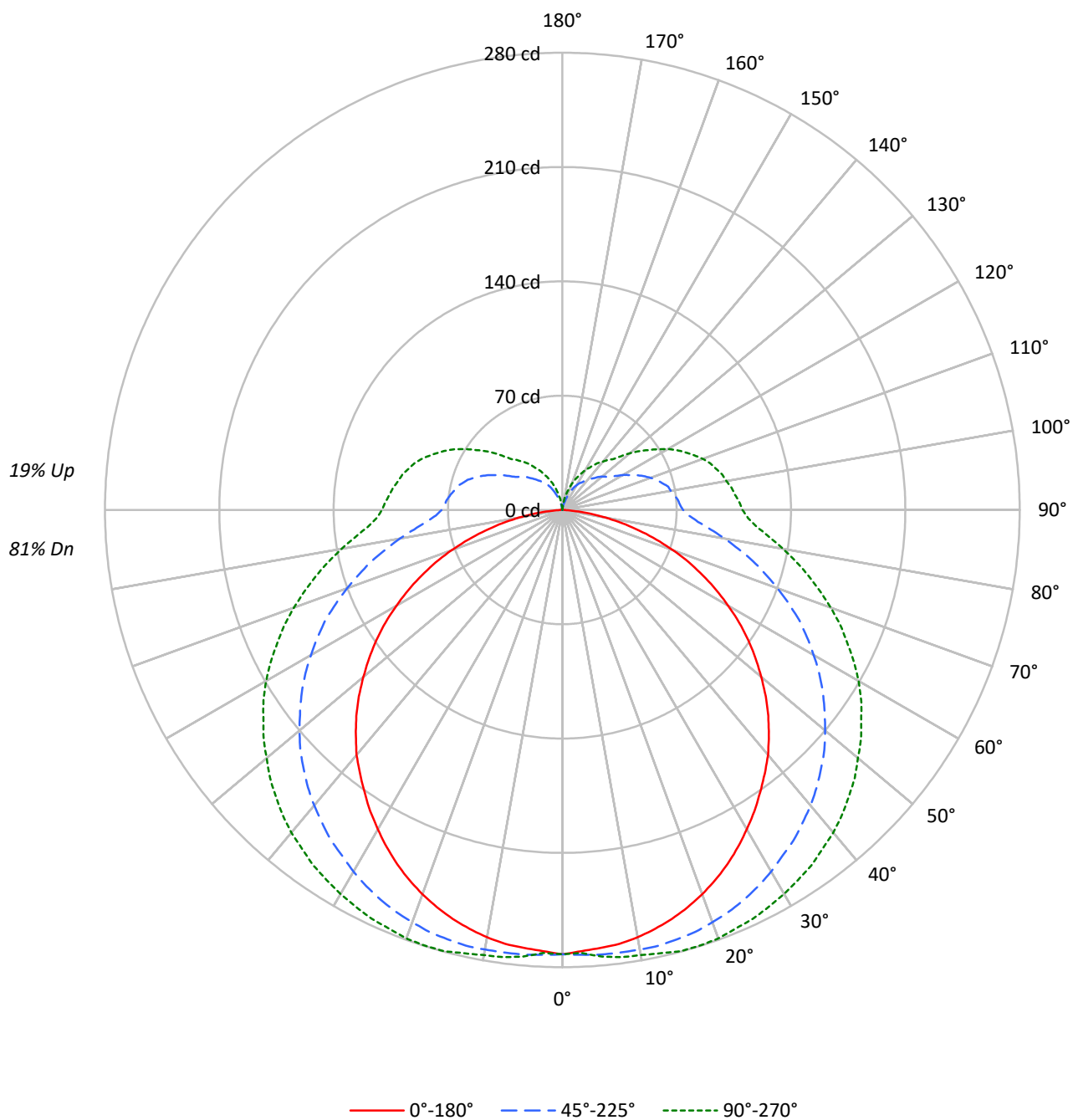
Lumens per Lamp: N/A
Luminaire Lumens: 1313.4 lumens
Efficiency: N/A
Efficacy: 96.6 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.49 / 1.54
Luminous Opening: Rectangular w/ Sides (W: 0.13' x L: 1.92' x H: 0.13')
CIE Type: Semi-Direct

Input Watts (W): 13.6
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			20
RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	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	85	85	81
1	102	96	91	86	97	92	87	83	84	80	77	77	74	71	71	68	66	63
2	92	82	75	68	87	79	72	66	72	66	61	66	61	57	60	57	53	50
3	83	71	62	55	79	68	60	54	63	56	50	57	52	47	52	48	44	41
4	75	63	53	46	72	60	51	45	55	48	42	50	44	40	46	41	37	34
5	69	55	46	39	66	53	44	38	49	42	36	45	39	34	41	36	32	29
6	63	50	40	34	60	48	39	33	44	37	31	40	34	29	37	32	28	25
7	59	45	36	29	56	43	35	29	40	32	27	37	30	26	34	28	24	22
8	54	41	32	26	52	39	31	25	36	29	24	34	27	23	31	26	22	19
9	51	37	29	23	48	36	28	22	33	26	21	31	25	20	29	23	19	17
10	47	34	26	21	45	33	25	20	31	24	19	28	23	18	26	21	17	16

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	11734	11734	11734
5°	11585	11098	10927
10°	11498	10562	10304
15°	11366	10104	9849
20°	11215	9670	9394
25°	11038	9266	8963
30°	10821	8868	8571
35°	10610	8503	8227
40°	10435	8144	7897
45°	10184	7784	7565
50°	9865	7416	7233
55°	9529	7044	6917
60°	9055	6642	6611
65°	8465	6238	6244
70°	7665	5750	5881
75°	6478	5272	5493
80°	4737	4744	5107
85°	2287	4280	4761

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 10184 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.0	2.0
10°-20°	76.7	5.8
20°-30°	120.4	9.2
30°-40°	152.4	11.6
40°-50°	169.5	12.9
50°-60°	169.1	12.9
60°-70°	151.7	11.5
70°-80°	119.4	9.1
80°-90°	84.0	6.4
90°-100°	69.1	5.3
100°-110°	59.6	4.5
110°-120°	45.7	3.5
120°-130°	30.8	2.3
130°-140°	19.6	1.5
140°-150°	12.0	0.9
150°-160°	5.8	0.4
160°-170°	1.6	0.1
170°-180°	0.1	0.0
0°-30°	223.2	17.0
0°-40°	375.6	28.6
0°-60°	714.1	54.4
0°-90°	1069.2	81.4
90°-120°	174.3	13.3
90°-150°	236.6	18.0
90°-180°	244.0	18.6
0°-180°	1313.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	272	272	272	272	272	
5°	269	273	273	274	274	26
15°	259	266	272	277	280	73
25°	239	251	263	272	276	110
35°	211	228	247	260	266	132
45°	178	199	224	242	248	137
55°	139	164	195	216	223	124
65°	95	126	160	184	192	94
75°	49	83	121	147	156	52
85°	8	45	83	110	120	11
90°	0	35	74	100	110	0
95°	0	33	71	97	106	0
105°	0	25	63	89	97	0
115°	0	17	50	75	83	0
125°	0	12	35	56	64	0
135°	0	10	28	40	44	0
145°	0	8	20	30	33	0
155°	1	5	14	20	22	0
165°	1	2	5	8	11	0
175°	1	1	1	1	1	0
180°	0	0	0	0	0	0

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	272.1	272.1	272.1	272.1	272.1
2.5°	270.4	273.9	272.7	272.1	271.5
5°	269.2	273.3	273.3	273.9	274.5
7.5°	268.0	272.1	273.3	274.5	276.2
10°	265.7	270.9	273.3	275.6	276.8
12.5°	262.7	269.2	273.3	276.2	278.0
15°	259.2	266.3	272.1	277.4	279.7
17.5°	255.1	263.3	270.9	277.4	279.7
20°	250.4	259.8	268.6	275.6	279.2
22.5°	245.1	255.7	266.3	273.9	277.4
25°	239.3	251.0	263.3	272.1	276.2
27.5°	232.8	245.7	259.8	269.8	273.9
30°	225.8	239.9	255.7	266.8	271.5
32.5°	218.8	234.0	251.0	263.3	268.6
35°	211.1	228.1	246.9	259.8	265.7
37.5°	203.5	221.7	241.6	256.3	261.6
40°	195.9	214.1	236.3	251.6	258.0
42.5°	187.1	207.0	230.5	246.9	253.4
45°	178.3	198.8	224.0	241.6	248.1
47.5°	168.9	191.2	217.6	235.8	242.8
50°	158.9	182.4	210.0	229.3	236.3
52.5°	149.0	173.6	202.3	222.9	230.5
55°	139.0	164.2	194.7	215.8	223.4
57.5°	128.4	155.4	186.5	208.2	217.0
60°	117.3	145.4	177.7	200.6	209.4
62.5°	106.2	135.5	168.9	192.4	201.2
65°	95.0	125.5	160.1	184.2	192.4
67.5°	83.9	114.9	150.1	174.8	184.2
70°	72.1	104.4	140.2	166.0	174.8
72.5°	60.4	93.2	130.2	156.0	165.4
75°	48.7	82.7	120.8	146.6	156.0
77.5°	37.5	72.1	110.3	136.6	146.6
80°	26.4	62.2	100.9	127.3	137.2
82.5°	17.0	52.8	91.5	118.5	127.9
85°	8.2	44.6	83.3	110.3	119.6
87.5°	2.3	38.1	77.4	103.8	113.8
90°	0.0	34.6	73.9	100.3	110.3
92.5°	0.0	33.4	72.1	98.5	108.5
95°	0.0	32.8	71.0	96.8	106.2
97.5°	0.0	31.7	69.2	95.0	104.4
100°	0.0	29.9	67.4	93.2	102.0
102.5°	0.0	27.6	66.3	90.9	100.3
105°	0.0	25.2	63.3	88.6	97.4
107.5°	0.0	22.3	61.0	85.6	95.0
110°	0.0	19.4	57.5	82.7	91.5

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	18.2	54.0	79.2	87.4
115°	0.0	17.0	50.4	75.1	83.3
117.5°	0.0	16.4	46.3	70.4	79.2
120°	0.0	14.7	42.8	65.7	74.5
122.5°	0.0	13.5	38.7	61.0	69.2
125°	0.0	12.3	35.2	56.3	63.9
127.5°	0.0	11.1	33.4	51.6	59.2
130°	0.0	11.1	31.7	46.9	54.0
132.5°	0.0	10.6	29.9	42.2	48.7
135°	0.0	10.0	27.6	39.9	44.0
137.5°	0.0	9.4	25.8	37.5	41.6
140°	0.0	9.4	24.0	35.2	38.7
142.5°	0.0	8.8	22.3	32.8	36.4
145°	0.0	8.2	20.5	29.9	33.4
147.5°	0.0	7.6	19.4	27.6	30.5
150°	0.0	6.5	17.6	25.2	28.2
152.5°	0.0	5.3	15.8	22.9	25.2
155°	0.6	4.7	13.5	19.9	22.3
157.5°	0.6	3.5	11.1	17.6	19.9
160°	0.6	2.9	8.8	14.7	17.0
162.5°	0.6	2.3	6.5	11.7	14.1
165°	0.6	1.8	4.7	8.2	11.1
167.5°	0.6	1.2	3.5	5.9	8.2
170°	0.6	1.2	2.3	3.5	5.9
172.5°	0.6	0.6	1.2	2.3	1.8
175°	0.6	0.6	0.6	1.2	0.6
177.5°	0.6	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	15.6	17.0	16.2	17.6	18.4	19.5	20.9	20.2	21.5	22.3
	3H	17.0	18.2	17.6	18.9	19.6	22.3	23.5	22.9	24.2	24.9
	4H	17.4	18.6	18.0	19.2	20.0	23.6	24.8	24.2	25.4	26.2
	6H	17.6	18.7	18.3	19.4	20.2	25.0	26.1	25.6	26.7	27.5
	8H	17.6	18.7	18.3	19.4	20.2	25.7	26.7	26.3	27.4	28.2
	12H	17.6	18.6	18.3	19.3	20.2	26.4	27.4	27.1	28.1	28.9
4H	2H	16.9	18.0	17.5	18.7	19.5	19.8	21.0	20.5	21.7	22.5
	3H	18.5	19.5	19.2	20.2	21.0	22.8	23.8	23.4	24.5	25.3
	4H	19.0	20.0	19.7	20.7	21.5	24.3	25.2	24.9	25.9	26.7
	6H	19.4	20.2	20.1	20.9	21.8	25.8	26.6	26.5	27.3	28.2
	8H	19.5	20.2	20.2	21.0	21.8	26.6	27.4	27.3	28.1	28.9
	12H	19.5	20.2	20.2	20.9	21.8	27.5	28.2	28.2	28.9	29.8
8H	4H	20.0	20.8	20.7	21.5	22.3	24.4	25.2	25.1	25.9	26.7
	6H	20.5	21.2	21.3	22.0	22.8	26.1	26.7	26.8	27.5	28.4
	8H	20.7	21.3	21.5	22.1	22.9	27.0	27.6	27.7	28.4	29.2
	12H	20.8	21.3	21.6	22.1	23.0	28.0	28.5	28.8	29.3	30.2
12H	4H	20.2	21.0	21.0	21.7	22.6	24.4	25.1	25.1	25.8	26.7
	6H	20.9	21.5	21.7	22.3	23.2	26.1	26.7	26.9	27.4	28.3
	8H	21.2	21.7	22.0	22.5	23.4	27.1	27.6	27.8	28.4	29.3

(END OF REPORT)