

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: P1500523

Luminaire Tested: 2CSSV-S3C59-MB-MED-3000K

Issue Date: 7/20/2026

Test Information

Test Method: LM-79-2019
Report Number: P1500523
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-3000K
Description: 2' Vanity SQR Lnr 90CRI-3L5C Sel Matte Blk 1600 Lumen 3000K

Light Source:
Ballast/Driver: -

Summary

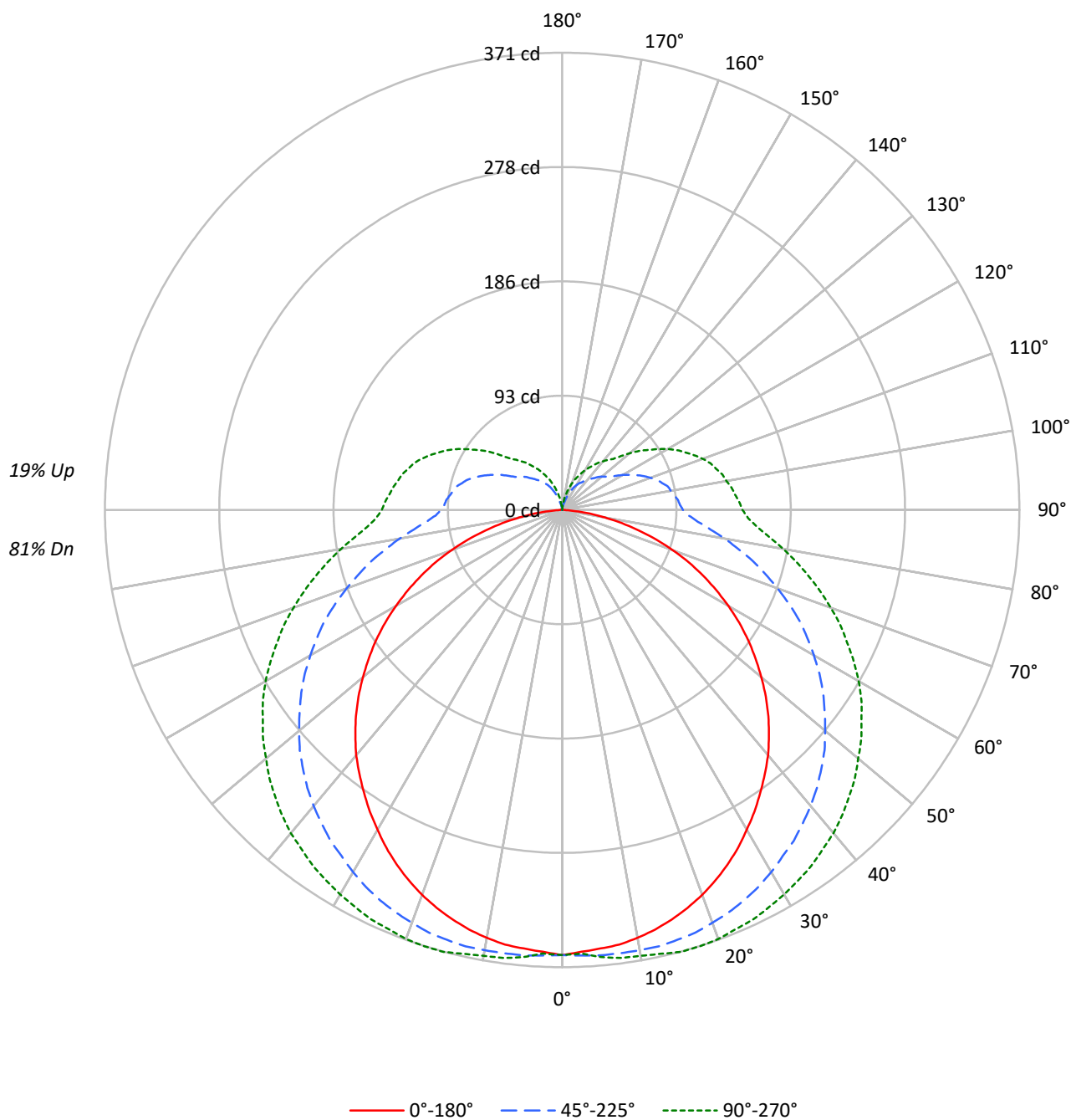
Lumens per Lamp: N/A
Luminaire Lumens: 1742.9 lumens
Efficiency: N/A
Efficacy: 93.7 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.49 / 1.54
Luminous Opening: Rectangular w/ Sides (W: 0.13' x L: 1.92' x H: 0.13')
CIE Type: Semi-Direct

Input Watts (W): 18.6
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°	15572	15572	15572
5°	15372	14728	14498
10°	15254	14017	13673
15°	15085	13409	13070
20°	14883	12830	12463
25°	14645	12296	11896
30°	14358	11767	11374
35°	14084	11282	10915
40°	13845	10808	10481
45°	13515	10331	10039
50°	13093	9839	9599
55°	12642	9348	9181
60°	12019	8813	8770
65°	11236	8279	8285
70°	10174	7629	7803
75°	8592	6996	7289
80°	6280	6296	6779
85°	3040	5678	6321

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 13515 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.6	2.0
10°-20°	101.8	5.8
20°-30°	159.8	9.2
30°-40°	202.2	11.6
40°-50°	224.9	12.9
50°-60°	224.4	12.9
60°-70°	201.2	11.5
70°-80°	158.5	9.1
80°-90°	111.5	6.4
90°-100°	91.7	5.3
100°-110°	79.1	4.5
110°-120°	60.6	3.5
120°-130°	40.9	2.3
130°-140°	25.9	1.5
140°-150°	15.9	0.9
150°-160°	7.7	0.4
160°-170°	2.1	0.1
170°-180°	0.2	0.0
0°-30°	296.2	17.0
0°-40°	498.4	28.6
0°-60°	947.6	54.4
0°-90°	1418.8	81.4
90°-120°	231.3	13.3
90°-150°	314.0	18.0
90°-180°	324.0	18.6
0°-180°	1742.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	361	361	361	361	361	
5°	357	363	363	363	364	34
15°	344	353	361	368	371	97
25°	318	333	349	361	367	146
35°	280	303	328	345	352	175
45°	237	264	297	321	329	182
55°	184	218	258	286	296	165
65°	126	166	212	244	255	125
75°	65	110	160	195	207	69
85°	11	59	110	146	159	14
90°	0	46	98	133	146	0
95°	0	44	94	128	141	0
105°	0	34	84	118	129	0
115°	0	23	67	100	110	0
125°	0	16	47	75	85	0
135°	0	13	37	53	58	0
145°	0	11	27	40	44	0
155°	1	6	18	26	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°	361.1	361.1	361.1	361.1	361.1
2.5°	358.8	363.4	361.9	361.1	360.3
5°	357.2	362.7	362.7	363.4	364.2
7.5°	355.7	361.1	362.7	364.2	366.6
10°	352.5	359.6	362.7	365.8	367.3
12.5°	348.7	357.2	362.7	366.6	368.9
15°	344.0	353.3	361.1	368.1	371.2
17.5°	338.5	349.4	359.6	368.1	371.2
20°	332.3	344.8	356.4	365.8	370.4
22.5°	325.3	339.3	353.3	363.4	368.1
25°	317.5	333.1	349.4	361.1	366.6
27.5°	309.0	326.1	344.8	358.0	363.4
30°	299.6	318.3	339.3	354.1	360.3
32.5°	290.3	310.5	333.1	349.4	356.4
35°	280.2	302.7	327.6	344.8	352.5
37.5°	270.1	294.2	320.6	340.1	347.1
40°	259.9	284.1	313.6	333.9	342.4
42.5°	248.3	274.7	305.9	327.6	336.2
45°	236.6	263.8	297.3	320.6	329.2
47.5°	224.1	253.7	288.7	312.9	322.2
50°	210.9	242.0	278.6	304.3	313.6
52.5°	197.7	230.4	268.5	295.7	305.9
55°	184.4	217.9	258.4	286.4	296.5
57.5°	170.4	206.2	247.5	276.3	288.0
60°	155.7	193.0	235.8	266.2	277.8
62.5°	140.9	179.8	224.1	255.3	266.9
65°	126.1	166.5	212.5	244.4	255.3
67.5°	111.3	152.5	199.2	231.9	244.4
70°	95.7	138.5	186.0	220.2	231.9
72.5°	80.2	123.7	172.8	207.0	219.5
75°	64.6	109.7	160.3	194.6	207.0
77.5°	49.8	95.7	146.3	181.3	194.6
80°	35.0	82.5	133.9	168.9	182.1
82.5°	22.6	70.0	121.4	157.2	169.7
85°	10.9	59.1	110.5	146.3	158.8
87.5°	3.1	50.6	102.7	137.8	151.0
90°	0.0	45.9	98.1	133.1	146.3
92.5°	0.0	44.4	95.7	130.7	144.0
95°	0.0	43.6	94.2	128.4	140.9
97.5°	0.0	42.0	91.8	126.1	138.5
100°	0.0	39.7	89.5	123.7	135.4
102.5°	0.0	36.6	87.9	120.6	133.1
105°	0.0	33.5	84.1	117.5	129.2
107.5°	0.0	29.6	80.9	113.6	126.1
110°	0.0	25.7	76.3	109.7	121.4

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	24.1	71.6	105.1	116.0
115°	0.0	22.6	66.9	99.6	110.5
117.5°	0.0	21.8	61.5	93.4	105.1
120°	0.0	19.5	56.8	87.2	98.8
122.5°	0.0	17.9	51.4	80.9	91.8
125°	0.0	16.3	46.7	74.7	84.8
127.5°	0.0	14.8	44.4	68.5	78.6
130°	0.0	14.8	42.0	62.3	71.6
132.5°	0.0	14.0	39.7	56.0	64.6
135°	0.0	13.2	36.6	52.9	58.4
137.5°	0.0	12.5	34.2	49.8	55.3
140°	0.0	12.5	31.9	46.7	51.4
142.5°	0.0	11.7	29.6	43.6	48.3
145°	0.0	10.9	27.2	39.7	44.4
147.5°	0.0	10.1	25.7	36.6	40.5
150°	0.0	8.6	23.3	33.5	37.4
152.5°	0.0	7.0	21.0	30.4	33.5
155°	0.8	6.2	17.9	26.5	29.6
157.5°	0.8	4.7	14.8	23.3	26.5
160°	0.8	3.9	11.7	19.5	22.6
162.5°	0.8	3.1	8.6	15.6	18.7
165°	0.8	2.3	6.2	10.9	14.8
167.5°	0.8	1.6	4.7	7.8	10.9
170°	0.8	1.6	3.1	4.7	7.8
172.5°	0.8	0.8	1.6	3.1	2.3
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	16.6	18.0	17.2	18.6	19.3	20.5	21.9	21.1	22.5	23.3
	3H	18.0	19.2	18.6	19.9	20.6	23.3	24.5	23.9	25.1	25.9
	4H	18.4	19.6	19.0	20.2	21.0	24.6	25.8	25.2	26.4	27.2
	6H	18.6	19.7	19.3	20.4	21.2	26.0	27.1	26.6	27.7	28.5
	8H	18.6	19.7	19.3	20.4	21.2	26.6	27.7	27.3	28.4	29.2
	12H	18.6	19.6	19.3	20.3	21.1	27.4	28.4	28.1	29.1	29.9
4H	2H	17.8	19.0	18.5	19.7	20.5	20.8	22.0	21.5	22.7	23.5
	3H	19.5	20.5	20.1	21.2	22.0	23.8	24.8	24.4	25.5	26.3
	4H	20.0	21.0	20.7	21.7	22.5	25.2	26.2	25.9	26.9	27.7
	6H	20.4	21.2	21.1	21.9	22.8	26.8	27.6	27.5	28.3	29.2
	8H	20.4	21.2	21.1	21.9	22.8	27.6	28.3	28.3	29.1	29.9
	12H	20.5	21.2	21.2	21.9	22.8	28.4	29.1	29.2	29.9	30.7
8H	4H	21.0	21.7	21.7	22.5	23.3	25.4	26.2	26.1	26.9	27.7
	6H	21.5	22.2	22.3	22.9	23.8	27.1	27.7	27.8	28.5	29.3
	8H	21.7	22.3	22.4	23.1	23.9	28.0	28.6	28.7	29.3	30.2
	12H	21.8	22.3	22.5	23.1	24.0	29.0	29.5	29.7	30.3	31.2
12H	4H	21.2	21.9	21.9	22.7	23.5	25.4	26.1	26.1	26.8	27.7
	6H	21.9	22.5	22.7	23.3	24.2	27.1	27.7	27.8	28.4	29.3
	8H	22.2	22.7	22.9	23.5	24.4	28.0	28.6	28.8	29.3	30.3

(END OF REPORT)