

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: P1500533

Luminaire Tested: 3CSSV-S3C59-MB-LO-3000K

Issue Date: 7/20/2026

Test Information

Test Method: LM-79-2019
Report Number: P1500533
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2605-767-2)
Test Lab: INNOVATION CENTER
Issue Date: 7/20/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 3CSSV-S3C59-MB-LO-3000K
Description: 3' Vanity SQR Lnr 90CRI-3L5C Sel Matte Blk 1800 Lumen 3000K

Light Source:
Ballast/Driver: -

Summary

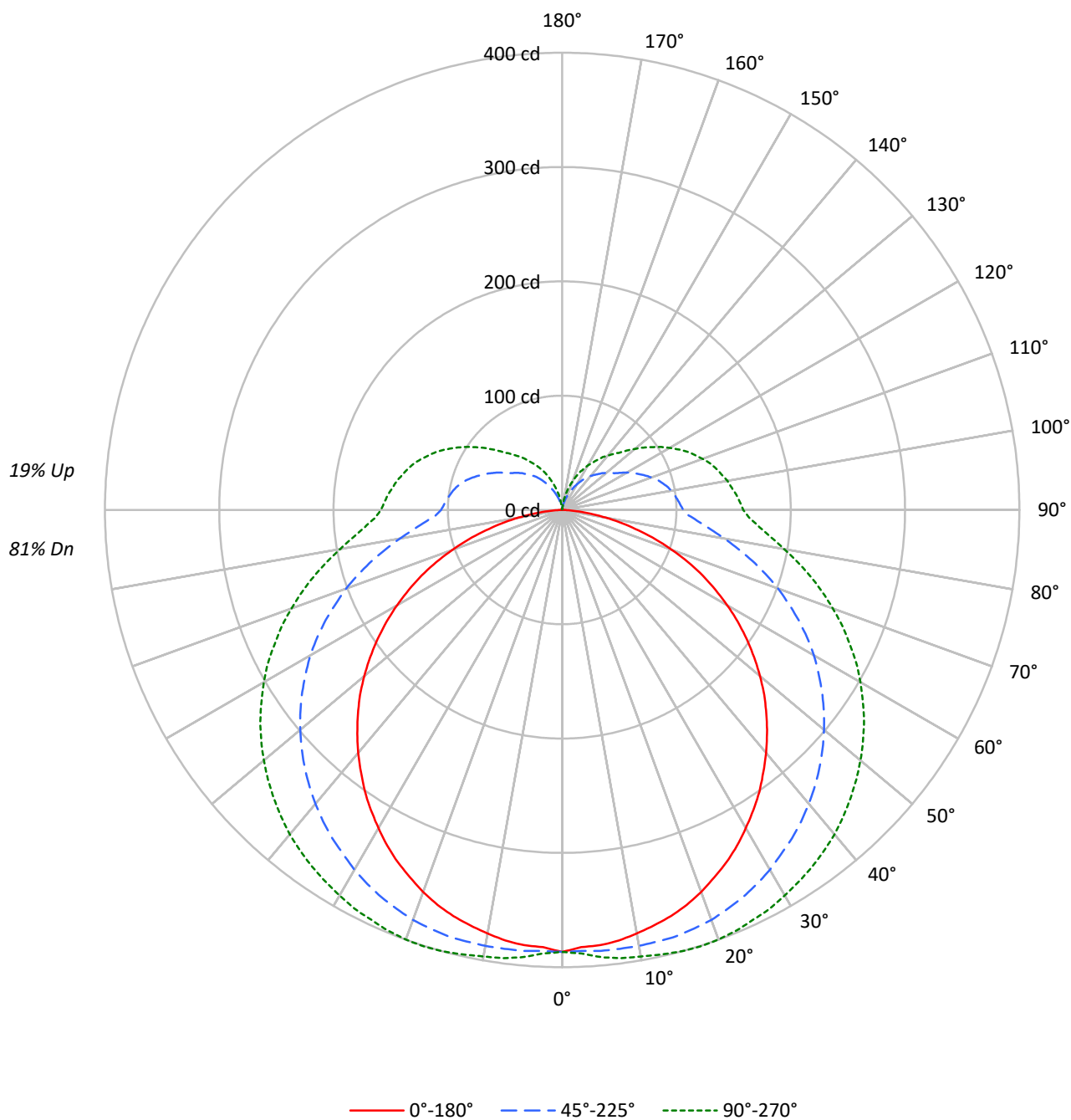
Lumens per Lamp: N/A
Luminaire Lumens: 1890.3 lumens
Efficiency: N/A
Efficacy: 102.7 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.5 / 1.54
Luminous Opening: Rectangular w/ Sides (W: 0.13' x L: 2.92' x H: 0.13')
CIE Type: Semi-Direct

Input Watts (W): 18.4
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	50	30	0
RCR																				
0	114	114	114	114	110	110	110	110	100	100	100	92	92	92	84	84	84	81		
1	102	96	91	86	97	92	87	83	84	80	77	77	74	71	70	68	66	62		
2	91	82	74	68	87	79	72	66	72	66	61	66	61	57	60	56	53	50		
3	83	71	62	55	78	68	60	53	62	56	50	57	51	47	52	47	44	40		
4	75	62	53	46	71	60	51	45	55	48	42	50	44	39	46	41	37	34		
5	69	55	46	39	65	53	44	38	49	41	36	45	38	34	41	36	31	29		
6	63	50	40	34	60	48	39	33	44	36	31	40	34	29	37	32	27	25		
7	59	45	36	29	56	43	34	28	40	32	27	36	30	25	34	28	24	22		
8	54	41	32	26	52	39	31	25	36	29	24	33	27	23	31	25	21	19		
9	51	37	29	23	48	36	28	22	33	26	21	31	25	20	28	23	19	17		
10	47	34	26	21	45	33	25	20	30	24	19	28	22	18	26	21	17	15		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10962	10962	10962
5°	10837	10352	10279
10°	10745	9864	9708
15°	10670	9462	9259
20°	10559	9078	8847
25°	10424	8701	8439
30°	10257	8342	8083
35°	10098	7999	7759
40°	9902	7672	7459
45°	9698	7346	7152
50°	9467	7018	6857
55°	9166	6676	6564
60°	8777	6327	6254
65°	8311	5926	5921
70°	7572	5504	5575
75°	6501	5025	5207
80°	5059	4532	4827
85°	2738	4142	4539

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 9698 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.0	2.0
10°-20°	109.1	5.8
20°-30°	171.7	9.1
30°-40°	217.3	11.5
40°-50°	241.7	12.8
50°-60°	241.7	12.8
60°-70°	217.1	11.5
70°-80°	171.4	9.1
80°-90°	121.0	6.4
90°-100°	99.3	5.3
100°-110°	85.8	4.5
110°-120°	67.3	3.6
120°-130°	47.7	2.5
130°-140°	31.4	1.7
140°-150°	19.0	1.0
150°-160°	9.0	0.5
160°-170°	2.5	0.1
170°-180°	0.2	0.0
0°-30°	317.8	16.8
0°-40°	535.2	28.3
0°-60°	1018.6	53.9
0°-90°	1528.0	80.8
90°-120°	252.4	13.4
90°-150°	350.5	18.5
90°-180°	362.0	19.2
0°-180°	1890.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	387	387	387	387	387	
5°	382	390	387	388	393	36
15°	368	380	386	394	400	104
25°	340	359	374	387	396	157
35°	301	326	351	371	381	188
45°	253	285	318	344	357	195
55°	197	235	278	308	322	176
65°	136	179	228	264	278	134
75°	69	118	172	210	225	74
85°	13	64	120	160	173	16
90°	1	50	106	145	158	1
95°	0	47	101	140	153	0
105°	1	38	91	127	140	0
115°	1	29	74	108	121	1
125°	1	22	56	85	96	1
135°	1	18	44	63	71	0
145°	1	13	33	48	53	0
155°	1	7	19	31	36	0
165°	1	3	8	13	18	0
175°	1	1	2	2	1	0
180°	1	1	1	1	1	0

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	386.6	386.6	386.6	386.6	386.6
2.5°	382.8	390.5	386.1	386.6	388.3
5°	382.2	390.5	387.2	387.7	392.7
7.5°	380.0	388.9	387.2	390.0	395.5
10°	376.1	387.2	387.2	391.6	396.6
12.5°	372.2	383.9	386.6	392.2	398.3
15°	367.8	380.5	386.1	393.8	399.9
17.5°	362.3	376.7	383.9	393.3	400.5
20°	355.6	371.1	381.7	391.6	399.9
22.5°	347.9	365.6	377.8	390.0	398.3
25°	340.1	358.9	373.9	387.2	395.5
27.5°	331.2	351.7	368.9	383.9	393.3
30°	321.3	343.4	363.4	380.0	389.4
32.5°	311.3	335.1	356.7	375.6	385.5
35°	300.8	325.7	350.6	370.6	381.1
37.5°	289.1	316.3	343.4	365.0	376.1
40°	277.5	306.3	335.7	358.9	370.6
42.5°	265.3	295.2	327.4	351.7	363.9
45°	252.6	284.7	318.5	344.5	356.7
47.5°	239.8	273.1	309.1	336.2	349.0
50°	226.0	260.9	299.1	327.4	340.7
52.5°	211.6	248.7	288.6	318.5	331.8
55°	197.2	235.4	277.5	308.5	322.4
57.5°	182.2	221.6	265.9	298.0	311.9
60°	166.7	207.7	254.3	286.9	301.3
62.5°	151.2	193.9	241.5	275.3	290.3
65°	135.7	178.9	228.2	263.7	277.5
67.5°	119.1	164.5	214.4	250.9	265.3
70°	102.5	149.0	201.1	237.6	252.0
72.5°	85.9	133.5	186.7	224.3	238.7
75°	69.2	118.5	172.3	210.5	224.9
77.5°	54.3	103.6	157.9	196.6	211.0
80°	38.8	89.2	144.0	183.3	197.2
82.5°	24.4	75.3	131.3	170.6	184.5
85°	12.7	63.7	120.2	159.5	173.4
87.5°	3.9	54.8	110.8	150.1	164.0
90°	0.6	49.9	105.8	144.6	158.4
92.5°	0.0	48.2	103.6	141.8	155.7
95°	0.0	47.1	101.4	139.6	152.9
97.5°	0.0	45.4	99.2	136.8	149.6
100°	0.0	43.2	96.9	133.5	146.8
102.5°	0.0	40.4	94.2	130.2	142.9
105°	0.6	37.7	90.8	126.8	139.6
107.5°	0.6	34.3	87.5	123.0	135.7
110°	0.6	31.6	83.1	118.0	130.7

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.6	29.9	78.7	113.0	125.7
115°	0.6	28.8	74.2	108.0	120.8
117.5°	0.6	27.1	69.8	102.5	114.7
120°	0.6	25.5	65.4	96.4	108.6
122.5°	0.6	23.3	60.4	90.8	102.5
125°	0.6	22.2	55.9	84.8	95.8
127.5°	0.6	21.0	53.2	78.7	89.7
130°	0.6	19.9	50.4	72.6	83.1
132.5°	0.6	18.8	47.6	67.0	77.0
135°	0.6	17.7	44.3	63.1	70.9
137.5°	0.6	16.6	41.5	59.3	66.5
140°	0.6	15.5	38.8	55.4	62.0
142.5°	0.6	14.4	36.0	51.5	58.2
145°	0.6	12.7	32.7	47.6	53.2
147.5°	0.6	11.1	29.4	43.8	48.7
150°	0.6	10.0	26.0	39.9	44.9
152.5°	1.1	8.9	22.7	36.0	40.4
155°	1.1	7.2	19.4	31.0	36.0
157.5°	1.1	6.1	16.1	26.0	31.6
160°	1.1	5.0	13.3	21.0	26.6
162.5°	1.1	3.9	10.5	16.6	22.2
165°	1.1	3.3	7.8	12.7	17.7
167.5°	1.1	2.8	6.1	8.9	13.8
170°	1.1	2.2	4.4	6.1	9.4
172.5°	1.1	1.7	2.8	3.9	2.8
175°	1.1	1.1	1.7	1.7	1.1
177.5°	1.1	1.1	1.1	0.6	0.6
180°	0.6	0.6	0.6	0.6	0.6

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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	15.4	16.7	16.0	17.4	18.1	19.4	20.7	20.0	21.4	22.1
	3H	16.7	18.0	17.4	18.6	19.4	22.1	23.4	22.8	24.0	24.8
	4H	17.1	18.3	17.8	19.0	19.8	23.5	24.7	24.2	25.3	26.1
	6H	17.3	18.4	18.0	19.1	19.9	24.9	26.0	25.6	26.7	27.5
	8H	17.4	18.4	18.1	19.1	19.9	25.6	26.7	26.3	27.4	28.2
	12H	17.4	18.4	18.1	19.1	19.9	26.4	27.4	27.1	28.1	29.0
4H	2H	16.6	17.8	17.3	18.5	19.2	19.7	20.8	20.3	21.5	22.3
	3H	18.2	19.2	18.9	20.0	20.8	22.6	23.6	23.3	24.4	25.2
	4H	18.8	19.7	19.5	20.4	21.3	24.1	25.1	24.8	25.8	26.6
	6H	19.1	20.0	19.8	20.7	21.5	25.7	26.5	26.4	27.3	28.1
	8H	19.2	20.0	19.9	20.7	21.6	26.5	27.3	27.3	28.0	28.9
	12H	19.2	19.9	20.0	20.7	21.6	27.5	28.2	28.2	28.9	29.8
8H	4H	19.7	20.5	20.5	21.3	22.1	24.3	25.1	25.0	25.8	26.6
	6H	20.3	21.0	21.1	21.7	22.6	26.0	26.7	26.7	27.4	28.3
	8H	20.5	21.1	21.2	21.9	22.7	26.9	27.5	27.7	28.3	29.2
	12H	20.6	21.1	21.3	21.9	22.8	28.0	28.5	28.8	29.3	30.2
12H	4H	20.0	20.7	20.8	21.5	22.3	24.3	25.0	25.0	25.7	26.6
	6H	20.7	21.3	21.5	22.1	23.0	26.0	26.6	26.8	27.4	28.3
	8H	21.0	21.5	21.7	22.3	23.2	27.0	27.5	27.8	28.3	29.2

(END OF REPORT)