

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: P1500554

Luminaire Tested: 3CSSV-S3C59-BN-MED-3500K

Issue Date: 7/20/2026

Test Information

Test Method: LM-79-2019
Report Number: P1500554
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-BN-MED-3500K
Description: 3' Vanity SQR Lnr 90CRI-3L5C Sel Brush Nickel 2400 Lumen 3500K

Light Source:
Ballast/Driver: -

Summary

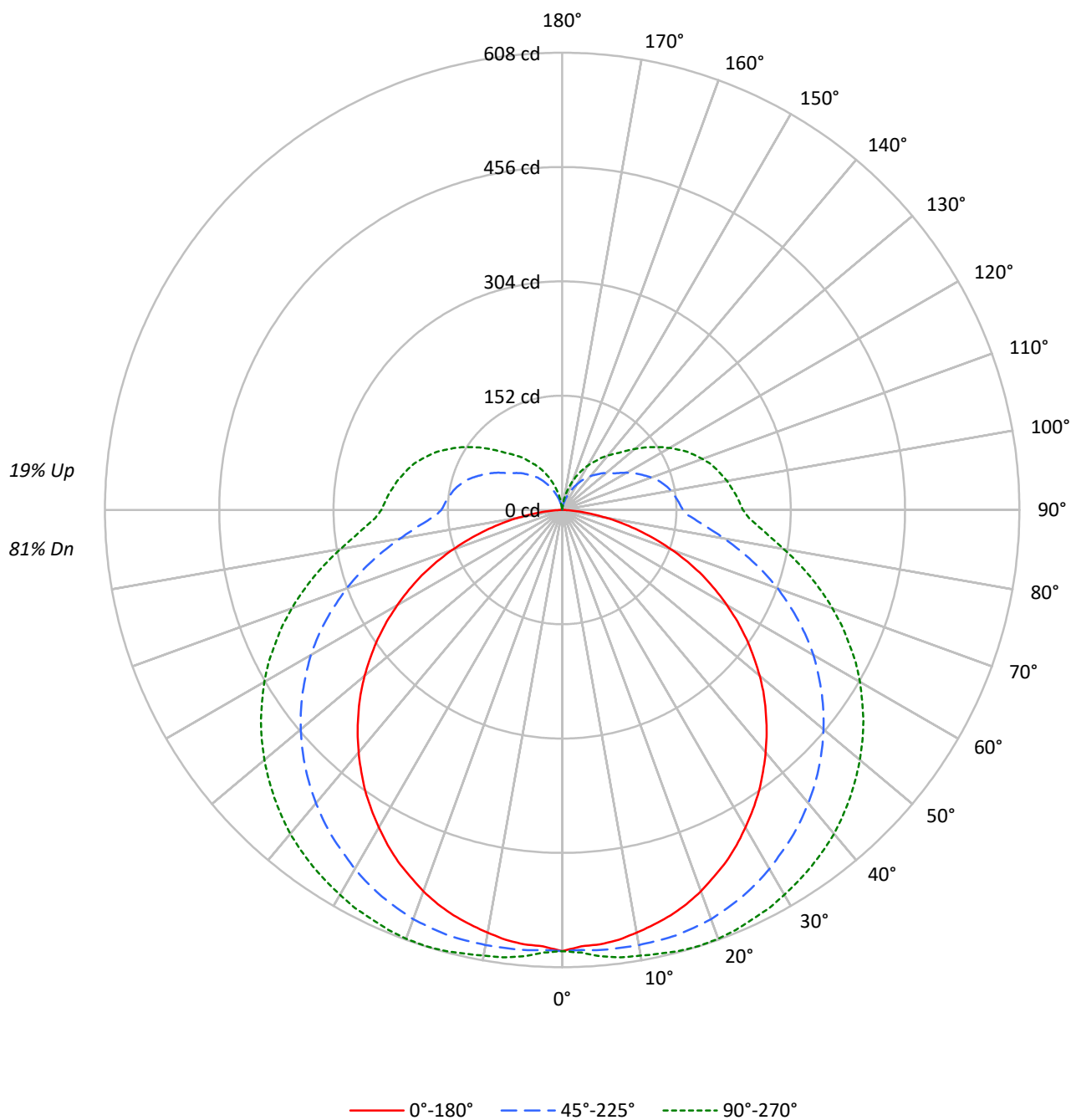
Lumens per Lamp: N/A
Luminaire Lumens: 2867.7 lumens
Efficiency: N/A
Efficacy: 109.5 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.5 / 1.54
Luminous Opening: Rectangular w/ Sides (W: 0.13' x L: 2.92' x H: 0.13')
CIE Type: Semi-Direct

Input Watts (W): 26.2
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	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°	16634	16634	16634
5°	16440	15705	15595
10°	16302	14964	14728
15°	16188	14353	14047
20°	16020	13770	13422
25°	15816	13200	12802
30°	15559	12655	12264
35°	15318	12136	11772
40°	15023	11637	11316
45°	14712	11145	10851
50°	14365	10647	10402
55°	13907	10129	9958
60°	13316	9597	9488
65°	12611	8990	8983
70°	11487	8348	8460
75°	9865	7621	7900
80°	7666	6876	7324
85°	4162	6285	6884

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 14712 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.2	2.0
10°-20°	165.5	5.8
20°-30°	260.4	9.1
30°-40°	329.7	11.5
40°-50°	366.7	12.8
50°-60°	366.7	12.8
60°-70°	329.3	11.5
70°-80°	260.0	9.1
80°-90°	183.5	6.4
90°-100°	150.6	5.3
100°-110°	130.2	4.5
110°-120°	102.1	3.6
120°-130°	72.3	2.5
130°-140°	47.7	1.7
140°-150°	28.8	1.0
150°-160°	13.6	0.5
160°-170°	3.9	0.1
170°-180°	0.4	0.0
0°-30°	482.2	16.8
0°-40°	811.9	28.3
0°-60°	1545.3	53.9
0°-90°	2318.1	80.8
90°-120°	382.9	13.4
90°-150°	531.7	18.5
90°-180°	550.0	19.2
0°-180°	2867.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	587	587	587	587	587	
5°	580	592	587	588	596	55
15°	558	577	586	598	607	157
25°	516	544	567	587	600	238
35°	456	494	532	562	578	285
45°	383	432	483	523	541	296
55°	299	357	421	468	489	267
65°	206	271	346	400	421	203
75°	105	180	261	319	341	112
85°	19	97	182	242	263	24
90°	1	76	160	219	240	1
95°	0	71	154	212	232	0
105°	1	57	138	192	212	1
115°	1	44	113	164	183	1
125°	1	34	85	129	145	1
135°	1	27	67	96	108	1
145°	1	19	50	72	81	1
155°	2	11	29	47	55	1
165°	2	5	12	19	27	0
175°	2	2	2	2	2	0
180°	1	1	1	1	1	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	586.6	586.6	586.6	586.6	586.6
2.5°	580.7	592.4	585.7	586.6	589.1
5°	579.8	592.4	587.4	588.2	595.8
7.5°	576.5	589.9	587.4	591.6	600.0
10°	570.6	587.4	587.4	594.1	601.7
12.5°	564.7	582.4	586.6	595.0	604.2
15°	558.0	577.3	585.7	597.5	606.7
17.5°	549.6	571.4	582.4	596.6	607.6
20°	539.5	563.0	579.0	594.1	606.7
22.5°	527.7	554.6	573.1	591.6	604.2
25°	516.0	544.5	567.2	587.4	600.0
27.5°	502.5	533.6	559.7	582.4	596.6
30°	487.4	521.0	551.3	576.5	590.8
32.5°	472.3	508.4	541.2	569.7	584.9
35°	456.3	494.1	531.9	562.2	578.2
37.5°	438.7	479.8	521.0	553.8	570.6
40°	421.0	464.7	509.2	544.5	562.2
42.5°	402.5	447.9	496.6	533.6	552.1
45°	383.2	431.9	483.2	522.7	541.2
47.5°	363.9	414.3	468.9	510.1	529.4
50°	342.9	395.8	453.8	496.6	516.8
52.5°	321.0	377.3	437.8	483.2	503.4
55°	299.2	357.1	421.0	468.1	489.1
57.5°	276.5	336.1	403.4	452.1	473.1
60°	252.9	315.1	385.7	435.3	457.1
62.5°	229.4	294.1	366.4	417.6	440.3
65°	205.9	271.4	346.2	400.0	421.0
67.5°	180.7	249.6	325.2	380.7	402.5
70°	155.5	226.0	305.0	360.5	382.4
72.5°	130.3	202.5	283.2	340.3	362.2
75°	105.0	179.8	261.3	319.3	341.2
77.5°	82.4	157.1	239.5	298.3	320.2
80°	58.8	135.3	218.5	278.2	299.2
82.5°	37.0	114.3	199.2	258.8	279.8
85°	19.3	96.6	182.4	242.0	263.0
87.5°	5.9	83.2	168.1	227.7	248.7
90°	0.8	75.6	160.5	219.3	240.3
92.5°	0.0	73.1	157.1	215.1	236.1
95°	0.0	71.4	153.8	211.8	231.9
97.5°	0.0	68.9	150.4	207.6	226.9
100°	0.0	65.5	147.1	202.5	222.7
102.5°	0.0	61.3	142.9	197.5	216.8
105°	0.8	57.1	137.8	192.4	211.8
107.5°	0.8	52.1	132.8	186.6	205.9
110°	0.8	47.9	126.1	179.0	198.3

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.8	45.4	119.3	171.4	190.8
115°	0.8	43.7	112.6	163.9	183.2
117.5°	0.8	41.2	105.9	155.5	173.9
120°	0.8	38.7	99.2	146.2	164.7
122.5°	0.8	35.3	91.6	137.8	155.5
125°	0.8	33.6	84.9	128.6	145.4
127.5°	0.8	31.9	80.7	119.3	136.1
130°	0.8	30.3	76.5	110.1	126.1
132.5°	0.8	28.6	72.3	101.7	116.8
135°	0.8	26.9	67.2	95.8	107.6
137.5°	0.8	25.2	63.0	89.9	100.8
140°	0.8	23.5	58.8	84.0	94.1
142.5°	0.8	21.8	54.6	78.2	88.2
145°	0.8	19.3	49.6	72.3	80.7
147.5°	0.8	16.8	44.5	66.4	73.9
150°	0.8	15.1	39.5	60.5	68.1
152.5°	1.7	13.4	34.5	54.6	61.3
155°	1.7	10.9	29.4	47.1	54.6
157.5°	1.7	9.2	24.4	39.5	47.9
160°	1.7	7.6	20.2	31.9	40.3
162.5°	1.7	5.9	16.0	25.2	33.6
165°	1.7	5.0	11.8	19.3	26.9
167.5°	1.7	4.2	9.2	13.4	21.0
170°	1.7	3.4	6.7	9.2	14.3
172.5°	1.7	2.5	4.2	5.9	4.2
175°	1.7	1.7	2.5	2.5	1.7
177.5°	1.7	1.7	1.7	0.8	0.8
180°	0.8	0.8	0.8	0.8	0.8

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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	16.8	18.2	17.4	18.8	19.6	20.8	22.2	21.4	22.8	23.6
	3H	18.2	19.4	18.8	20.1	20.8	23.6	24.8	24.2	25.5	26.3
	4H	18.6	19.8	19.2	20.4	21.2	24.9	26.1	25.6	26.8	27.6
	6H	18.8	19.9	19.5	20.6	21.4	26.4	27.5	27.0	28.1	28.9
	8H	18.8	19.9	19.5	20.6	21.4	27.1	28.1	27.8	28.8	29.6
	12H	18.8	19.8	19.5	20.5	21.4	27.9	28.9	28.6	29.6	30.4
4H	2H	18.1	19.2	18.7	19.9	20.7	21.1	22.3	21.8	23.0	23.8
	3H	19.7	20.7	20.4	21.4	22.2	24.1	25.1	24.8	25.8	26.6
	4H	20.2	21.2	20.9	21.9	22.7	25.6	26.5	26.3	27.2	28.1
	6H	20.6	21.4	21.3	22.1	23.0	27.2	28.0	27.9	28.7	29.6
	8H	20.7	21.4	21.4	22.2	23.0	28.0	28.8	28.7	29.5	30.4
	12H	20.7	21.4	21.4	22.1	23.0	28.9	29.6	29.6	30.4	31.2
8H	4H	21.2	22.0	21.9	22.7	23.6	25.7	26.5	26.4	27.2	28.1
	6H	21.8	22.4	22.5	23.2	24.1	27.4	28.1	28.2	28.9	29.7
	8H	21.9	22.5	22.7	23.3	24.2	28.4	29.0	29.1	29.7	30.6
	12H	22.0	22.6	22.8	23.3	24.3	29.4	30.0	30.2	30.7	31.7
12H	4H	21.5	22.2	22.2	22.9	23.8	25.7	26.4	26.5	27.2	28.0
	6H	22.2	22.8	22.9	23.5	24.4	27.5	28.1	28.2	28.8	29.7
	8H	22.4	23.0	23.2	23.7	24.7	28.4	29.0	29.2	29.7	30.7

(END OF REPORT)