

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: P1500555

Luminaire Tested: 3CSSV-S3C59-BN-MED-4000K

Issue Date: 7/20/2026

Test Information

Test Method: LM-79-2019
Report Number: P1500555
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-4000K
Description: 3' Vanity SQR Lnr 90CRI-3L5C Sel Brush Nickel 2400 Lumen 4000K

Light Source:
Ballast/Driver: -

Summary

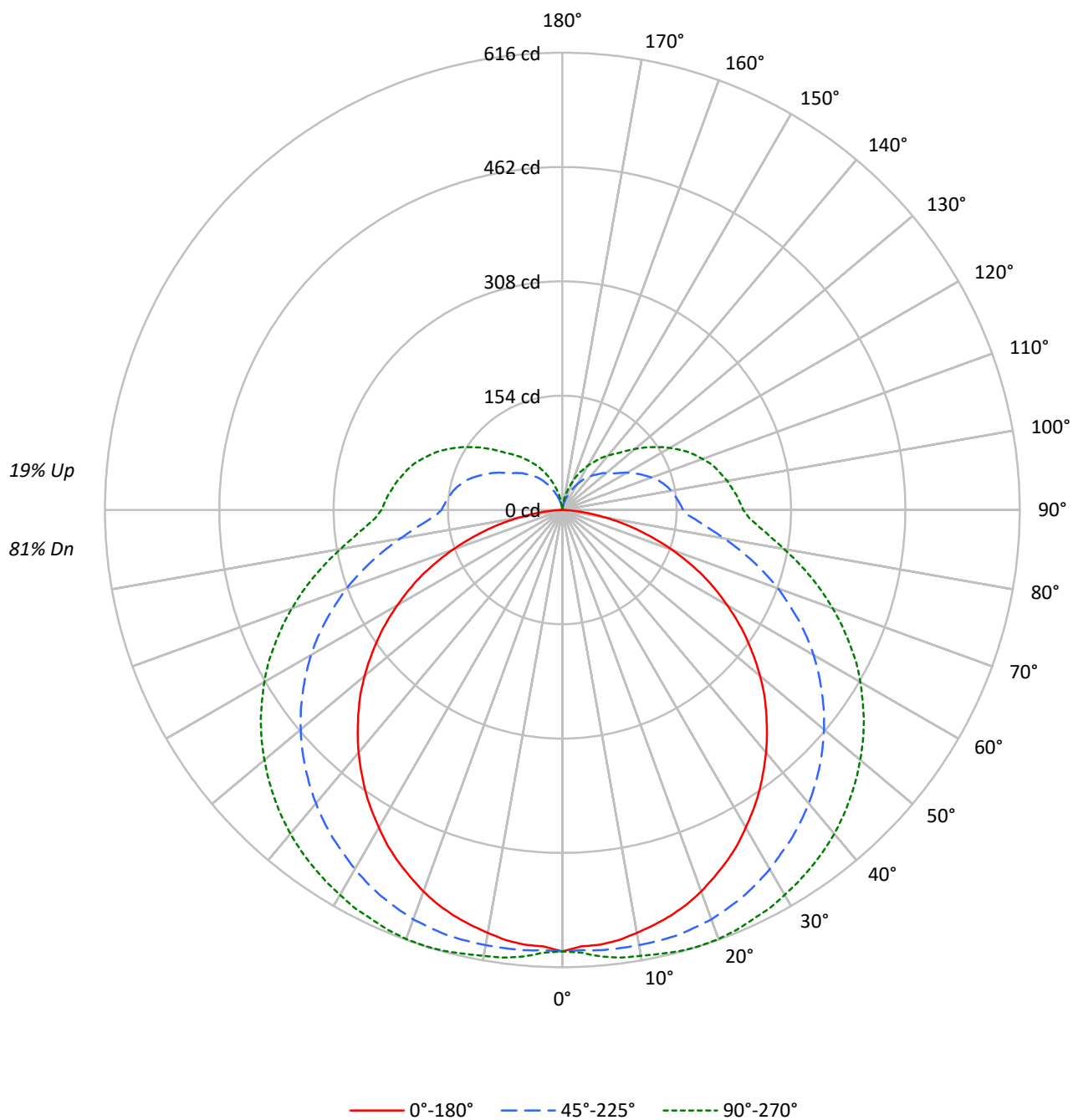
Lumens per Lamp: N/A
Luminaire Lumens: 2907.1 lumens
Efficiency: N/A
Efficacy: 110.5 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.5 / 1.54
Luminous Opening: Rectangular w/ Sides (W: 0.13' x L: 2.92' x H: 0.13')
CIE Type: Semi-Direct

Input Watts (W): 26.3
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	114	114	114	114	110	110	110	110		100	100	100		92	92	92		84	84	84
1	102	96	91	86	97	92	87	83		84	80	77		77	74	71		70	68	66
2	91	82	74	68	87	79	72	66		72	66	61		66	61	57		60	56	53
3	83	71	62	55	78	68	60	53		62	56	50		57	51	47		52	47	44
4	75	62	53	46	71	60	51	45		55	48	42		50	44	39		46	41	37
5	69	55	46	39	65	53	44	38		49	41	36		45	38	34		41	36	31
6	63	50	40	34	60	48	39	33		44	36	31		40	34	29		37	32	27
7	59	45	36	29	56	43	34	28		40	32	27		36	30	25		34	28	24
8	54	41	32	26	52	39	31	25		36	29	24		33	27	23		31	25	21
9	51	37	29	23	48	36	28	22		33	26	21		31	25	20		28	23	19
10	47	34	26	21	45	33	25	20		30	24	19		28	22	18		26	21	17

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	16860	16860	16860
5°	16666	15919	15809
10°	16524	15168	14929
15°	16408	14549	14239
20°	16240	13958	13606
25°	16030	13381	12977
30°	15773	12827	12432
35°	15529	12303	11933
40°	15230	11797	11471
45°	14911	11297	11000
50°	14561	10793	10545
55°	14098	10268	10094
60°	13500	9729	9619
65°	12783	9114	9107
70°	11642	8462	8575
75°	10006	7726	8008
80°	7770	6971	7424
85°	4226	6371	6978

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 14911 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.0	2.0
10°-20°	167.8	5.8
20°-30°	264.0	9.1
30°-40°	334.2	11.5
40°-50°	371.7	12.8
50°-60°	371.7	12.8
60°-70°	333.8	11.5
70°-80°	263.6	9.1
80°-90°	186.1	6.4
90°-100°	152.7	5.3
100°-110°	132.0	4.5
110°-120°	103.5	3.6
120°-130°	73.4	2.5
130°-140°	48.3	1.7
140°-150°	29.2	1.0
150°-160°	13.8	0.5
160°-170°	3.9	0.1
170°-180°	0.4	0.0
0°-30°	488.8	16.8
0°-40°	823.0	28.3
0°-60°	1566.4	53.9
0°-90°	2349.9	80.8
90°-120°	388.1	13.4
90°-150°	539.0	18.5
90°-180°	557.0	19.2
0°-180°	2907.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	595	595	595	595	595	
5°	588	601	595	596	604	56
15°	566	585	594	606	615	160
25°	523	552	575	595	608	241
35°	463	501	539	570	586	289
45°	388	438	490	530	549	300
55°	303	362	427	474	496	271
65°	209	275	351	406	427	206
75°	106	182	265	324	346	114
85°	20	98	185	245	267	24
90°	1	77	163	222	244	1
95°	0	72	156	215	235	0
105°	1	58	140	195	215	1
115°	1	44	114	166	186	1
125°	1	34	86	130	147	1
135°	1	27	68	97	109	1
145°	1	20	50	73	82	1
155°	2	11	30	48	55	1
165°	2	5	12	20	27	0
175°	2	2	3	3	2	0
180°	1	1	1	1	1	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	594.6	594.6	594.6	594.6	594.6
2.5°	588.6	600.6	593.7	594.6	597.1
5°	587.8	600.6	595.4	596.3	604.0
7.5°	584.4	598.0	595.4	599.7	608.2
10°	578.4	595.4	595.4	602.3	609.9
12.5°	572.4	590.3	594.6	603.1	612.5
15°	565.6	585.2	593.7	605.7	615.0
17.5°	557.1	579.3	590.3	604.8	615.9
20°	546.9	570.7	586.9	602.3	615.0
22.5°	535.0	562.2	581.0	599.7	612.5
25°	523.0	552.0	575.0	595.4	608.2
27.5°	509.4	540.9	567.3	590.3	604.8
30°	494.1	528.1	558.8	584.4	598.9
32.5°	478.7	515.4	548.6	577.6	592.9
35°	462.6	500.9	539.2	569.9	586.1
37.5°	444.7	486.4	528.1	561.4	578.4
40°	426.8	471.1	516.2	552.0	569.9
42.5°	408.0	454.0	503.4	540.9	559.7
45°	388.4	437.9	489.8	529.9	548.6
47.5°	368.9	420.0	475.3	517.1	536.7
50°	347.6	401.2	460.0	503.4	523.9
52.5°	325.4	382.5	443.8	489.8	510.3
55°	303.3	362.0	426.8	474.5	495.8
57.5°	280.3	340.7	408.9	458.3	479.6
60°	256.4	319.4	391.0	441.3	463.4
62.5°	232.6	298.1	371.4	423.4	446.4
65°	208.7	275.1	351.0	405.5	426.8
67.5°	183.1	253.0	329.7	385.9	408.0
70°	157.6	229.1	309.2	365.4	387.6
72.5°	132.0	205.3	287.1	345.0	367.1
75°	106.5	182.3	264.9	323.7	345.9
77.5°	83.5	159.3	242.8	302.4	324.6
80°	59.6	137.1	221.5	282.0	303.3
82.5°	37.5	115.9	201.9	262.4	283.7
85°	19.6	98.0	184.9	245.3	266.6
87.5°	6.0	84.3	170.4	230.9	252.1
90°	0.9	76.7	162.7	222.3	243.6
92.5°	0.0	74.1	159.3	218.1	239.4
95°	0.0	72.4	155.9	214.7	235.1
97.5°	0.0	69.9	152.5	210.4	230.0
100°	0.0	66.4	149.1	205.3	225.7
102.5°	0.0	62.2	144.8	200.2	219.8
105°	0.9	57.9	139.7	195.1	214.7
107.5°	0.9	52.8	134.6	189.1	208.7
110°	0.9	48.6	127.8	181.4	201.0

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.9	46.0	121.0	173.8	193.4
115°	0.9	44.3	114.1	166.1	185.7
117.5°	0.9	41.7	107.3	157.6	176.3
120°	0.9	39.2	100.5	148.2	167.0
122.5°	0.9	35.8	92.9	139.7	157.6
125°	0.9	34.1	86.0	130.3	147.4
127.5°	0.9	32.4	81.8	121.0	138.0
130°	0.9	30.7	77.5	111.6	127.8
132.5°	0.9	29.0	73.3	103.1	118.4
135°	0.9	27.3	68.1	97.1	109.0
137.5°	0.9	25.6	63.9	91.1	102.2
140°	0.9	23.9	59.6	85.2	95.4
142.5°	0.9	22.1	55.4	79.2	89.4
145°	0.9	19.6	50.3	73.3	81.8
147.5°	0.9	17.0	45.1	67.3	75.0
150°	0.9	15.3	40.0	61.3	69.0
152.5°	1.7	13.6	34.9	55.4	62.2
155°	1.7	11.1	29.8	47.7	55.4
157.5°	1.7	9.4	24.7	40.0	48.6
160°	1.7	7.7	20.4	32.4	40.9
162.5°	1.7	6.0	16.2	25.6	34.1
165°	1.7	5.1	11.9	19.6	27.3
167.5°	1.7	4.3	9.4	13.6	21.3
170°	1.7	3.4	6.8	9.4	14.5
172.5°	1.7	2.6	4.3	6.0	4.3
175°	1.7	1.7	2.6	2.6	1.7
177.5°	1.7	1.7	1.7	0.9	0.9
180°	0.9	0.9	0.9	0.9	0.9

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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	16.9	18.2	17.5	18.9	19.6	20.9	22.2	21.5	22.9	23.6
	3H	18.2	19.5	18.9	20.1	20.9	23.6	24.9	24.3	25.5	26.3
	4H	18.6	19.8	19.3	20.5	21.3	25.0	26.2	25.7	26.8	27.6
	6H	18.8	19.9	19.5	20.6	21.4	26.4	27.5	27.1	28.2	29.0
	8H	18.9	19.9	19.6	20.6	21.4	27.1	28.2	27.8	28.9	29.7
	12H	18.9	19.9	19.6	20.6	21.4	27.9	28.9	28.6	29.6	30.5
4H	2H	18.1	19.3	18.8	19.9	20.7	21.2	22.3	21.8	23.0	23.8
	3H	19.7	20.7	20.4	21.4	22.3	24.1	25.1	24.8	25.8	26.7
	4H	20.3	21.2	21.0	21.9	22.8	25.6	26.6	26.3	27.3	28.1
	6H	20.6	21.5	21.3	22.2	23.0	27.2	28.0	27.9	28.8	29.6
	8H	20.7	21.5	21.4	22.2	23.1	28.0	28.8	28.7	29.5	30.4
	12H	20.7	21.4	21.5	22.2	23.1	28.9	29.7	29.7	30.4	31.3
8H	4H	21.2	22.0	22.0	22.8	23.6	25.8	26.5	26.5	27.3	28.1
	6H	21.8	22.5	22.5	23.2	24.1	27.5	28.1	28.2	28.9	29.8
	8H	22.0	22.6	22.7	23.3	24.2	28.4	29.0	29.2	29.8	30.7
	12H	22.1	22.6	22.8	23.4	24.3	29.5	30.0	30.3	30.8	31.7
12H	4H	21.5	22.2	22.2	23.0	23.8	25.8	26.5	26.5	27.2	28.1
	6H	22.2	22.8	23.0	23.6	24.5	27.5	28.1	28.3	28.9	29.8
	8H	22.5	23.0	23.2	23.8	24.7	28.5	29.0	29.2	29.8	30.7

(END OF REPORT)