

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: P1500547

Luminaire Tested: 3CSSV-S3C59-BN-LO-2700K

Issue Date: 7/20/2026

Test Information

Test Method: LM-79-2019
Report Number: P1500547
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-LO-2700K
Description: 3' Vanity SQR Lnr 90CRI-3L5C Sel Brush Nickel 1800 Lumen 2700K

Light Source:
Ballast/Driver: -

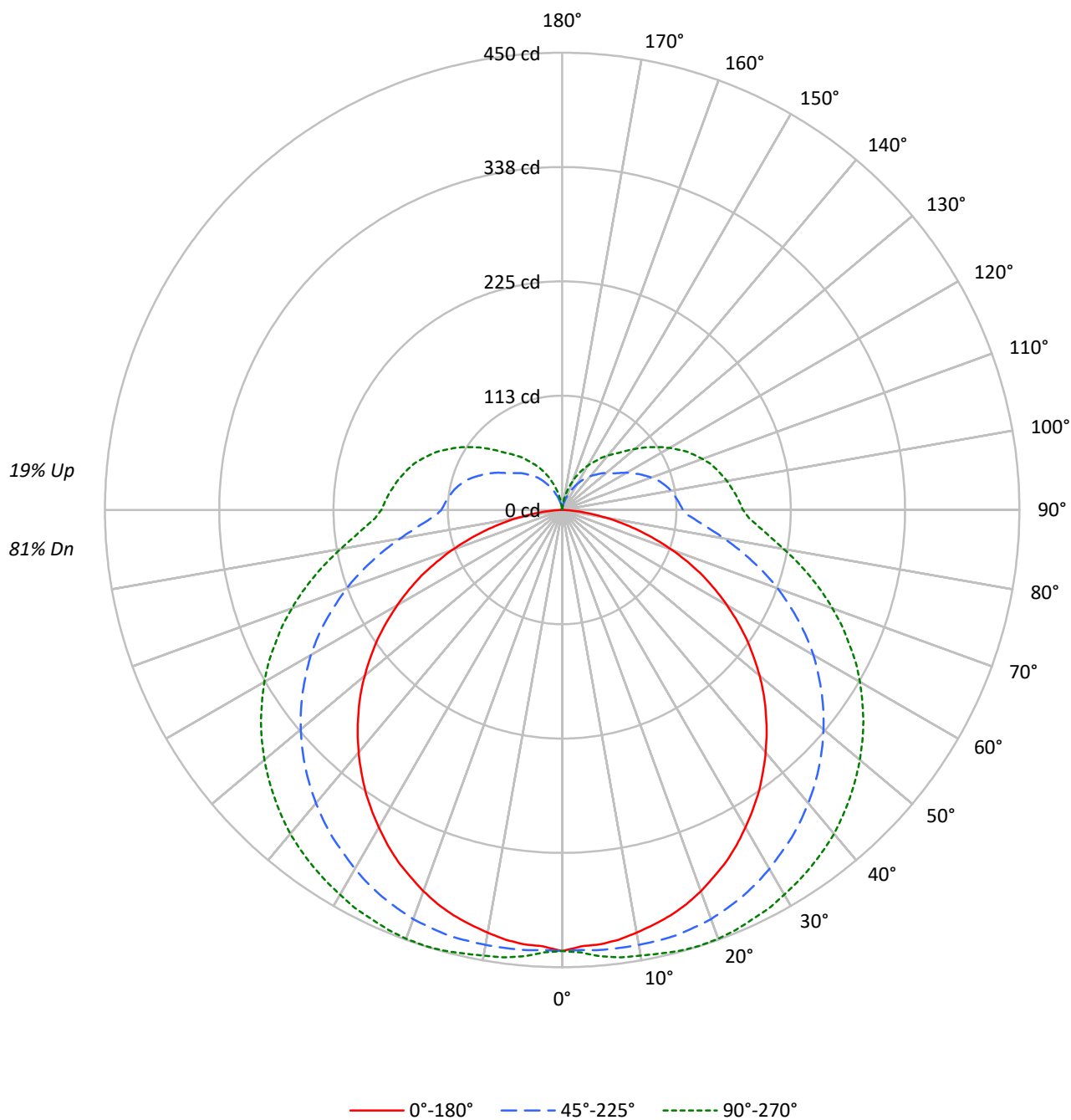
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2122.4 lumens
Efficiency: N/A
Efficacy: 111.7 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): 19
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°	12309	12309	12309
5°	12167	11622	11543
10°	12065	11074	10900
15°	11981	10623	10395
20°	11857	10191	9933
25°	11706	9770	9476
30°	11514	9365	9075
35°	11336	8983	8712
40°	11119	8613	8375
45°	10888	8248	8030
50°	10628	7879	7699
55°	10291	7497	7370
60°	9856	7104	7022
65°	9334	6653	6649
70°	8503	6180	6261
75°	7300	5641	5846
80°	5671	5089	5419
85°	3083	4652	5096

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 10888 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.6	2.0
10°-20°	122.5	5.8
20°-30°	192.7	9.1
30°-40°	244.0	11.5
40°-50°	271.4	12.8
50°-60°	271.4	12.8
60°-70°	243.7	11.5
70°-80°	192.5	9.1
80°-90°	135.8	6.4
90°-100°	111.4	5.3
100°-110°	96.4	4.5
110°-120°	75.6	3.6
120°-130°	53.5	2.5
130°-140°	35.3	1.7
140°-150°	21.3	1.0
150°-160°	10.1	0.5
160°-170°	2.9	0.1
170°-180°	0.3	0.0
0°-30°	356.8	16.8
0°-40°	600.9	28.3
0°-60°	1143.6	53.9
0°-90°	1715.7	80.8
90°-120°	283.4	13.4
90°-150°	393.5	18.5
90°-180°	407.0	19.2
0°-180°	2122.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	434	434	434	434	434	
5°	429	438	435	435	441	41
15°	413	427	434	442	449	116
25°	382	403	420	435	444	176
35°	338	366	394	416	428	211
45°	284	320	358	387	400	219
55°	221	264	312	346	362	198
65°	152	201	256	296	312	150
75°	78	133	193	236	252	83
85°	14	72	135	179	195	18
90°	1	56	119	162	178	1
95°	0	53	114	157	172	0
105°	1	42	102	142	157	0
115°	1	32	83	121	136	1
125°	1	25	63	95	108	1
135°	1	20	50	71	80	0
145°	1	14	37	54	60	0
155°	1	8	22	35	40	1
165°	1	4	9	14	20	0
175°	1	1	2	2	1	0
180°	1	1	1	1	1	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	434.1	434.1	434.1	434.1	434.1
2.5°	429.8	438.5	433.5	434.1	436.0
5°	429.1	438.5	434.7	435.4	441.0
7.5°	426.6	436.6	434.7	437.8	444.1
10°	422.3	434.7	434.7	439.7	445.3
12.5°	417.9	431.0	434.1	440.3	447.2
15°	413.0	427.3	433.5	442.2	449.0
17.5°	406.7	422.9	431.0	441.6	449.7
20°	399.3	416.7	428.5	439.7	449.0
22.5°	390.6	410.5	424.2	437.8	447.2
25°	381.9	403.0	419.8	434.7	444.1
27.5°	371.9	394.9	414.2	431.0	441.6
30°	360.7	385.6	408.0	426.6	437.2
32.5°	349.5	376.3	400.5	421.7	432.9
35°	337.7	365.7	393.7	416.1	427.9
37.5°	324.7	355.1	385.6	409.9	422.3
40°	311.6	343.9	376.9	403.0	416.1
42.5°	297.9	331.5	367.6	394.9	408.6
45°	283.6	319.7	357.6	386.8	400.5
47.5°	269.3	306.6	347.0	377.5	391.8
50°	253.7	292.9	335.8	367.6	382.5
52.5°	237.6	279.2	324.0	357.6	372.5
55°	221.4	264.3	311.6	346.4	362.0
57.5°	204.6	248.8	298.5	334.6	350.2
60°	187.2	233.2	285.5	322.2	338.3
62.5°	169.8	217.7	271.2	309.1	325.9
65°	152.4	200.9	256.2	296.0	311.6
67.5°	133.7	184.7	240.7	281.7	297.9
70°	115.1	167.3	225.8	266.8	283.0
72.5°	96.4	149.9	209.6	251.9	268.1
75°	77.7	133.1	193.4	236.3	252.5
77.5°	60.9	116.3	177.3	220.8	237.0
80°	43.5	100.1	161.7	205.9	221.4
82.5°	27.4	84.6	147.4	191.6	207.1
85°	14.3	71.5	135.0	179.1	194.7
87.5°	4.4	61.6	124.4	168.5	184.1
90°	0.6	56.0	118.8	162.3	177.9
92.5°	0.0	54.1	116.3	159.2	174.8
95°	0.0	52.9	113.8	156.7	171.7
97.5°	0.0	51.0	111.3	153.6	167.9
100°	0.0	48.5	108.8	149.9	164.8
102.5°	0.0	45.4	105.7	146.2	160.5
105°	0.6	42.3	102.0	142.4	156.7
107.5°	0.6	38.6	98.3	138.1	152.4
110°	0.6	35.5	93.3	132.5	146.8

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.6	33.6	88.3	126.9	141.2
115°	0.6	32.3	83.3	121.3	135.6
117.5°	0.6	30.5	78.4	115.1	128.7
120°	0.6	28.6	73.4	108.2	121.9
122.5°	0.6	26.1	67.8	102.0	115.1
125°	0.6	24.9	62.8	95.2	107.6
127.5°	0.6	23.6	59.7	88.3	100.8
130°	0.6	22.4	56.6	81.5	93.3
132.5°	0.6	21.1	53.5	75.3	86.4
135°	0.6	19.9	49.8	70.9	79.6
137.5°	0.6	18.7	46.6	66.5	74.6
140°	0.6	17.4	43.5	62.2	69.7
142.5°	0.6	16.2	40.4	57.8	65.3
145°	0.6	14.3	36.7	53.5	59.7
147.5°	0.6	12.4	33.0	49.1	54.7
150°	0.6	11.2	29.2	44.8	50.4
152.5°	1.2	10.0	25.5	40.4	45.4
155°	1.2	8.1	21.8	34.8	40.4
157.5°	1.2	6.8	18.0	29.2	35.5
160°	1.2	5.6	14.9	23.6	29.9
162.5°	1.2	4.4	11.8	18.7	24.9
165°	1.2	3.7	8.7	14.3	19.9
167.5°	1.2	3.1	6.8	10.0	15.5
170°	1.2	2.5	5.0	6.8	10.6
172.5°	1.2	1.9	3.1	4.4	3.1
175°	1.2	1.2	1.9	1.9	1.2
177.5°	1.2	1.2	1.2	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	15.8	17.1	16.4	17.8	18.5	19.8	21.1	20.4	21.8	22.5
	3H	17.1	18.4	17.8	19.0	19.8	22.5	23.8	23.2	24.4	25.2
	4H	17.5	18.7	18.2	19.4	20.2	23.9	25.1	24.6	25.7	26.5
	6H	17.8	18.8	18.4	19.5	20.3	25.3	26.4	26.0	27.1	27.9
	8H	17.8	18.8	18.5	19.5	20.3	26.0	27.1	26.7	27.8	28.6
	12H	17.8	18.8	18.5	19.5	20.3	26.8	27.8	27.5	28.5	29.4
4H	2H	17.0	18.2	17.7	18.9	19.6	20.1	21.3	20.7	21.9	22.7
	3H	18.6	19.6	19.3	20.4	21.2	23.0	24.0	23.7	24.8	25.6
	4H	19.2	20.1	19.9	20.8	21.7	24.5	25.5	25.2	26.2	27.0
	6H	19.5	20.4	20.2	21.1	21.9	26.1	26.9	26.8	27.7	28.5
	8H	19.6	20.4	20.3	21.1	22.0	26.9	27.7	27.7	28.4	29.3
	12H	19.6	20.3	20.4	21.1	22.0	27.9	28.6	28.6	29.3	30.2
8H	4H	20.2	20.9	20.9	21.7	22.5	24.7	25.5	25.4	26.2	27.0
	6H	20.7	21.4	21.5	22.1	23.0	26.4	27.1	27.1	27.8	28.7
	8H	20.9	21.5	21.6	22.3	23.1	27.3	27.9	28.1	28.7	29.6
	12H	21.0	21.5	21.7	22.3	23.2	28.4	28.9	29.2	29.7	30.6
12H	4H	20.4	21.1	21.2	21.9	22.8	24.7	25.4	25.4	26.1	27.0
	6H	21.1	21.7	21.9	22.5	23.4	26.4	27.0	27.2	27.8	28.7
	8H	21.4	21.9	22.1	22.7	23.6	27.4	27.9	28.2	28.7	29.6

(END OF REPORT)