

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: P1500545

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

Issue Date: 7/20/2026

Test Information

Test Method: LM-79-2019
Report Number: P1500545
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-HI-4000K
Description: 3' Vanity SQR Lnr 90CRI-3L5C Sel Brush Nickel 3000 Lumen 4000K

Light Source:
Ballast/Driver: -

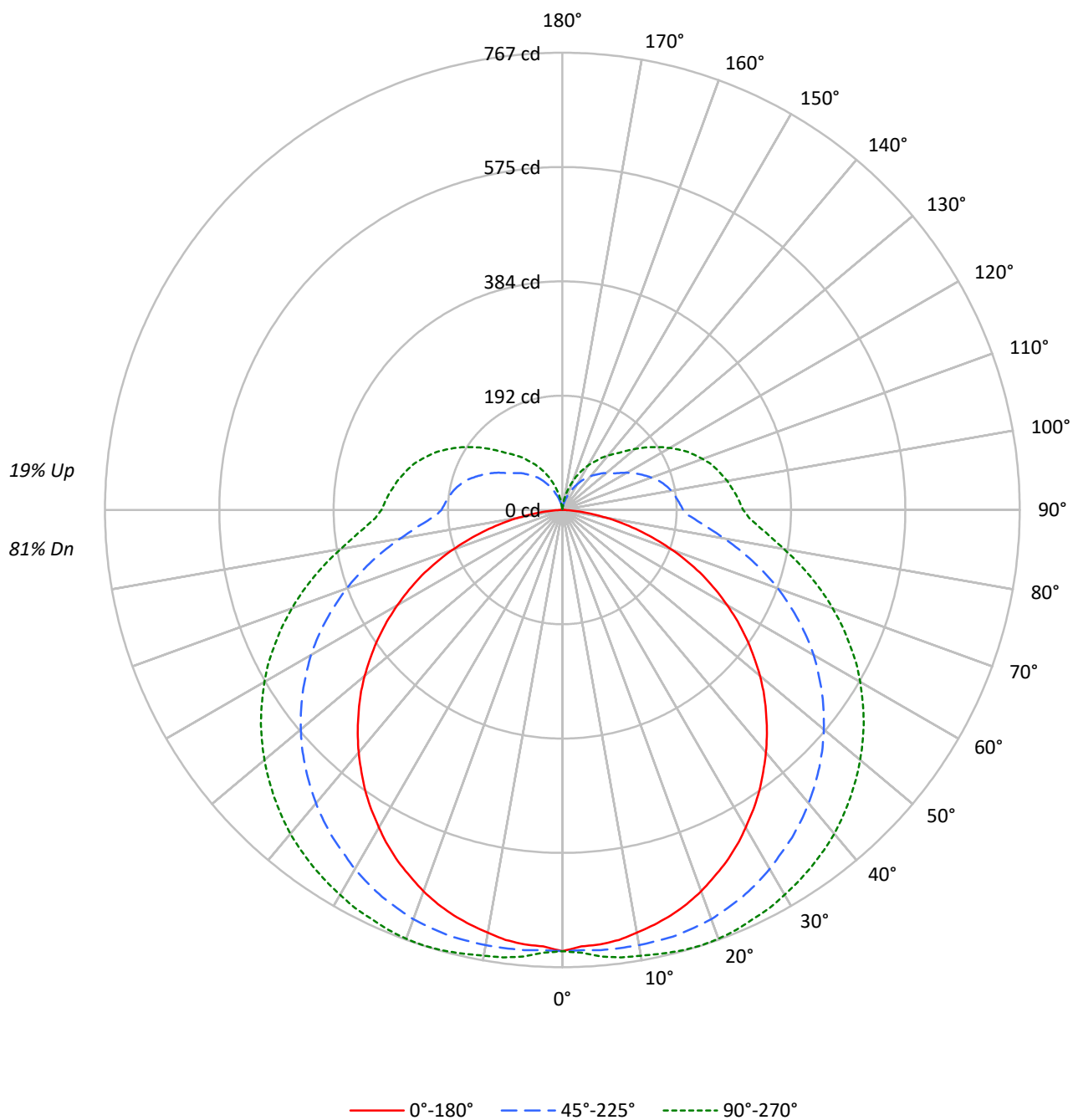
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3618.4 lumens
Efficiency: N/A
Efficacy: 103.7 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): 34.9
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				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	114	114	114	114	110	110	110	110	100	100	100		92	92	92		84
1	102	96	91	86	97	92	87	83	84	80	77		77	74	71		70
2	91	82	74	68	87	79	72	66	72	66	61		66	61	57		60
3	83	71	62	55	78	68	60	53	62	56	50		57	51	47		52
4	75	62	53	46	71	60	51	45	55	48	42		50	44	39		46
5	69	55	46	39	65	53	44	38	49	41	36		45	38	34		41
6	63	50	40	34	60	48	39	33	44	36	31		40	34	29		37
7	59	45	36	29	56	43	34	28	40	32	27		36	30	25		34
8	54	41	32	26	52	39	31	25	36	29	24		33	27	23		31
9	51	37	29	23	48	36	28	22	33	26	21		31	25	20		28
10	47	34	26	21	45	33	25	20	30	24	19		28	22	18		26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	20986	20986	20986
5°	20744	19817	19678
10°	20570	18883	18583
15°	20423	18110	17723
20°	20213	17375	16936
25°	19954	16656	16155
30°	19632	15967	15473
35°	19329	15314	14853
40°	18955	14685	14278
45°	18563	14063	13691
50°	18122	13434	13125
55°	17547	12780	12564
60°	16806	12110	11973
65°	15912	11342	11334
70°	14494	10534	10672
75°	12448	9619	9967
80°	9674	8677	9240
85°	5261	7929	8687

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 18563 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.9	2.0
10°-20°	208.9	5.8
20°-30°	328.6	9.1
30°-40°	416.0	11.5
40°-50°	462.7	12.8
50°-60°	462.7	12.8
60°-70°	415.5	11.5
70°-80°	328.1	9.1
80°-90°	231.6	6.4
90°-100°	190.0	5.3
100°-110°	164.3	4.5
110°-120°	128.8	3.6
120°-130°	91.3	2.5
130°-140°	60.2	1.7
140°-150°	36.3	1.0
150°-160°	17.2	0.5
160°-170°	4.9	0.1
170°-180°	0.4	0.0
0°-30°	608.4	16.8
0°-40°	1024.4	28.3
0°-60°	1949.8	53.9
0°-90°	2925.0	80.8
90°-120°	483.1	13.4
90°-150°	670.9	18.5
90°-180°	693.0	19.2
0°-180°	3618.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	740	740	740	740	740	
5°	732	748	741	742	752	69
15°	704	728	739	754	766	199
25°	651	687	716	741	757	300
35°	576	624	671	709	730	360
45°	484	545	610	660	683	373
55°	378	451	531	591	617	337
65°	260	342	437	505	531	256
75°	132	227	330	403	430	141
85°	24	122	230	305	332	30
90°	1	95	202	277	303	1
95°	0	90	194	267	293	0
105°	1	72	174	243	267	1
115°	1	55	142	207	231	1
125°	1	42	107	162	183	1
135°	1	34	85	121	136	1
145°	1	24	63	91	102	1
155°	2	14	37	59	69	1
165°	2	6	15	24	34	1
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°	740.1	740.1	740.1	740.1	740.1
2.5°	732.7	747.5	739.0	740.1	743.3
5°	731.6	747.5	741.2	742.2	751.8
7.5°	727.4	744.3	741.2	746.5	757.1
10°	720.0	741.2	741.2	749.6	759.2
12.5°	712.5	734.8	740.1	750.7	762.4
15°	704.0	728.4	739.0	753.9	765.5
17.5°	693.4	721.0	734.8	752.8	766.6
20°	680.7	710.4	730.6	749.6	765.5
22.5°	665.9	699.8	723.1	746.5	762.4
25°	651.0	687.1	715.7	741.2	757.1
27.5°	634.1	673.3	706.2	734.8	752.8
30°	615.0	657.4	695.6	727.4	745.4
32.5°	595.9	641.5	682.8	718.9	738.0
35°	575.8	623.5	671.2	709.4	729.5
37.5°	553.5	605.4	657.4	698.7	720.0
40°	531.2	586.4	642.6	687.1	709.4
42.5°	507.9	565.1	626.6	673.3	696.6
45°	483.5	545.0	609.7	659.5	682.8
47.5°	459.1	522.7	591.7	643.6	668.0
50°	432.6	499.4	572.6	626.6	652.1
52.5°	405.0	476.1	552.4	609.7	635.1
55°	377.5	450.6	531.2	590.6	617.1
57.5°	348.8	424.1	509.0	570.4	597.0
60°	319.2	397.6	486.7	549.2	576.8
62.5°	289.5	371.1	462.3	527.0	555.6
65°	259.8	342.5	436.8	504.7	531.2
67.5°	228.0	314.9	410.3	480.3	507.9
70°	196.2	285.2	384.9	454.9	482.4
72.5°	164.3	255.5	357.3	429.4	457.0
75°	132.5	226.9	329.8	402.9	430.5
77.5°	103.9	198.3	302.2	376.4	404.0
80°	74.2	170.7	275.7	351.0	377.5
82.5°	46.7	144.2	251.3	326.6	353.1
85°	24.4	121.9	230.1	305.4	331.9
87.5°	7.4	105.0	212.1	287.3	313.9
90°	1.1	95.4	202.5	276.7	303.3
92.5°	0.0	92.2	198.3	271.4	297.9
95°	0.0	90.1	194.0	267.2	292.6
97.5°	0.0	86.9	189.8	261.9	286.3
100°	0.0	82.7	185.6	255.5	281.0
102.5°	0.0	77.4	180.3	249.2	273.6
105°	1.1	72.1	173.9	242.8	267.2
107.5°	1.1	65.7	167.5	235.4	259.8
110°	1.1	60.4	159.0	225.8	250.2

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.1	57.3	150.6	216.3	240.7
115°	1.1	55.1	142.1	206.8	231.1
117.5°	1.1	52.0	133.6	196.2	219.5
120°	1.1	48.8	125.1	184.5	207.8
122.5°	1.1	44.5	115.6	173.9	196.2
125°	1.1	42.4	107.1	162.2	183.4
127.5°	1.1	40.3	101.8	150.6	171.8
130°	1.1	38.2	96.5	138.9	159.0
132.5°	1.1	36.1	91.2	128.3	147.4
135°	1.1	33.9	84.8	120.9	135.7
137.5°	1.1	31.8	79.5	113.5	127.2
140°	1.1	29.7	74.2	106.0	118.8
142.5°	1.1	27.6	68.9	98.6	111.3
145°	1.1	24.4	62.6	91.2	101.8
147.5°	1.1	21.2	56.2	83.8	93.3
150°	1.1	19.1	49.8	76.3	85.9
152.5°	2.1	17.0	43.5	68.9	77.4
155°	2.1	13.8	37.1	59.4	68.9
157.5°	2.1	11.7	30.7	49.8	60.4
160°	2.1	9.5	25.4	40.3	50.9
162.5°	2.1	7.4	20.1	31.8	42.4
165°	2.1	6.4	14.8	24.4	33.9
167.5°	2.1	5.3	11.7	17.0	26.5
170°	2.1	4.2	8.5	11.7	18.0
172.5°	2.1	3.2	5.3	7.4	5.3
175°	2.1	2.1	3.2	3.2	2.1
177.5°	2.1	2.1	2.1	1.1	1.1
180°	1.1	1.1	1.1	1.1	1.1

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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	17.6	19.0	18.2	19.6	20.4	21.6	23.0	22.3	23.6	24.4
	3H	19.0	20.2	19.6	20.9	21.7	24.4	25.6	25.0	26.3	27.1
	4H	19.4	20.6	20.0	21.2	22.0	25.8	26.9	26.4	27.6	28.4
	6H	19.6	20.7	20.3	21.4	22.2	27.2	28.3	27.8	28.9	29.7
	8H	19.6	20.7	20.3	21.4	22.2	27.9	28.9	28.6	29.6	30.5
	12H	19.6	20.6	20.3	21.3	22.2	28.7	29.7	29.4	30.4	31.2
4H	2H	18.9	20.0	19.5	20.7	21.5	21.9	23.1	22.6	23.8	24.6
	3H	20.5	21.5	21.2	22.2	23.0	24.9	25.9	25.6	26.6	27.4
	4H	21.0	22.0	21.7	22.7	23.5	26.4	27.3	27.1	28.0	28.9
	6H	21.4	22.2	22.1	23.0	23.8	28.0	28.8	28.7	29.5	30.4
	8H	21.5	22.2	22.2	23.0	23.8	28.8	29.6	29.5	30.3	31.2
	12H	21.5	22.2	22.2	23.0	23.8	29.7	30.4	30.4	31.2	32.0
8H	4H	22.0	22.8	22.7	23.5	24.4	26.5	27.3	27.2	28.0	28.9
	6H	22.6	23.2	23.3	24.0	24.9	28.2	28.9	29.0	29.7	30.5
	8H	22.7	23.3	23.5	24.1	25.0	29.2	29.8	29.9	30.6	31.4
	12H	22.8	23.4	23.6	24.1	25.1	30.3	30.8	31.0	31.6	32.5
12H	4H	22.3	23.0	23.0	23.7	24.6	26.5	27.2	27.3	28.0	28.9
	6H	23.0	23.6	23.7	24.3	25.2	28.3	28.9	29.0	29.6	30.5
	8H	23.2	23.8	24.0	24.5	25.5	29.3	29.8	30.0	30.6	31.5

(END OF REPORT)