

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: P1500543

Luminaire Tested: 3CSSV-S3C59-BN-HI-3000K

Issue Date: 7/20/2026

Test Information

Test Method: LM-79-2019
Report Number: P1500543
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-3000K
Description: 3' Vanity SQR Lnr 90CRI-3L5C Sel Brush Nickel 3000 Lumen 3000K

Light Source:
Ballast/Driver: -

Summary

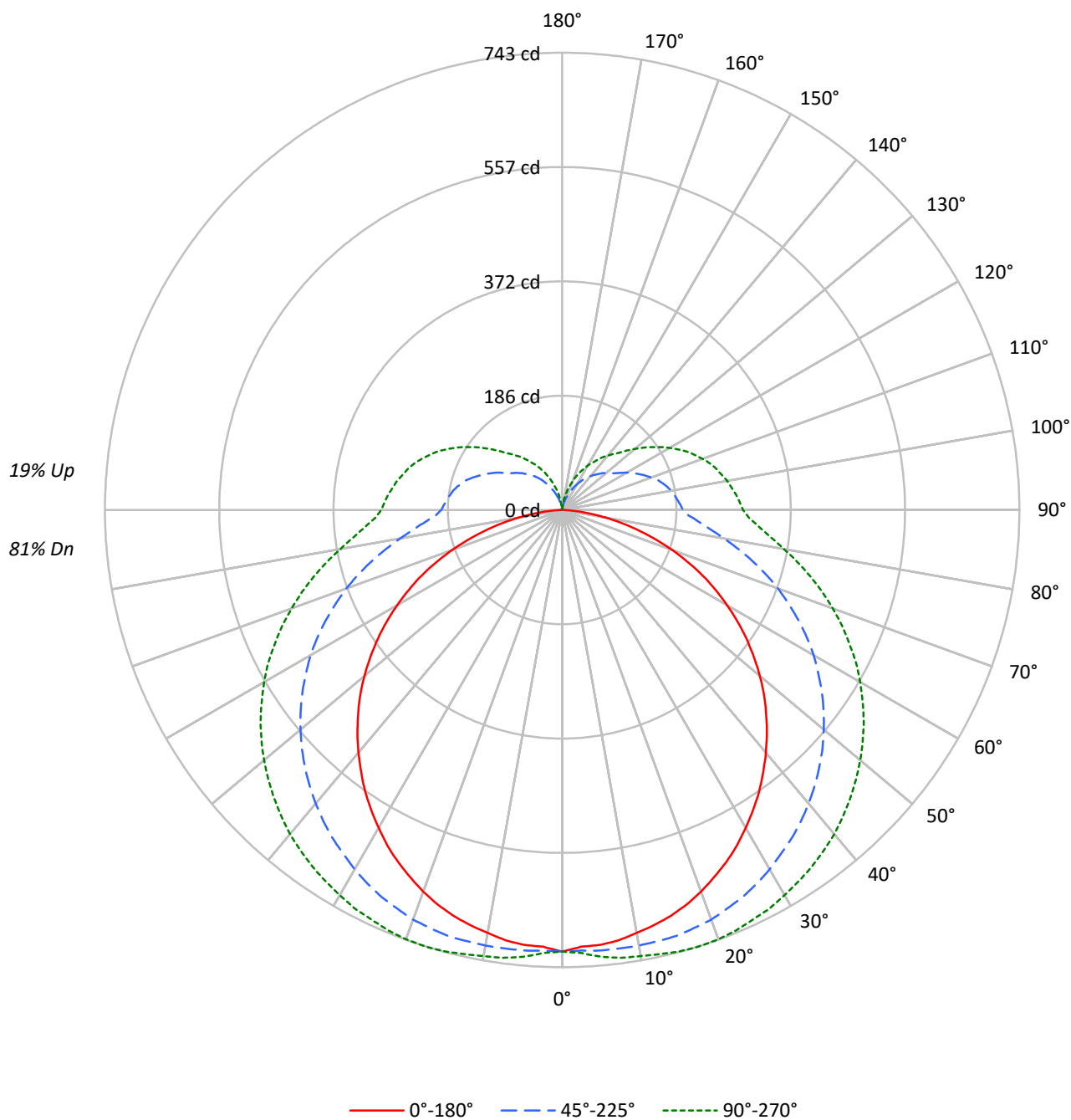
Lumens per Lamp: N/A
Luminaire Lumens: 3508.3 lumens
Efficiency: N/A
Efficacy: 100.8 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.5 / 1.54
Luminous Opening: Rectangular w/ Sides (W: 0.13' x L: 2.92' x H: 0.13')
CIE Type: Semi-Direct

Input Watts (W): 34.8
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°	20348	20348	20348
5°	20114	19213	19078
10°	19941	18307	18018
15°	19802	17561	17186
20°	19598	16845	16422
25°	19347	16149	15662
30°	19035	15480	15002
35°	18739	14849	14401
40°	18380	14237	13844
45°	17998	13634	13276
50°	17569	13024	12726
55°	17012	12393	12181
60°	16290	11742	11610
65°	15428	11000	10991
70°	14050	10214	10349
75°	12072	9324	9664
80°	9387	8412	8959
85°	5089	7687	8423

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 17998 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.8	2.0
10°-20°	202.5	5.8
20°-30°	318.6	9.1
30°-40°	403.4	11.5
40°-50°	448.6	12.8
50°-60°	448.6	12.8
60°-70°	402.9	11.5
70°-80°	318.1	9.1
80°-90°	224.5	6.4
90°-100°	184.2	5.3
100°-110°	159.3	4.5
110°-120°	124.9	3.6
120°-130°	88.5	2.5
130°-140°	58.3	1.7
140°-150°	35.2	1.0
150°-160°	16.7	0.5
160°-170°	4.7	0.1
170°-180°	0.4	0.0
0°-30°	589.9	16.8
0°-40°	993.2	28.3
0°-60°	1890.4	53.9
0°-90°	2836.0	80.8
90°-120°	468.4	13.4
90°-150°	650.5	18.5
90°-180°	672.0	19.2
0°-180°	3508.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	718	718	718	718	718	
5°	709	725	719	720	729	67
15°	683	706	717	731	742	193
25°	631	666	694	719	734	291
35°	558	604	651	688	707	349
45°	469	528	591	639	662	362
55°	366	437	515	573	598	327
65°	252	332	424	489	515	248
75°	128	220	320	391	417	137
85°	24	118	223	296	322	29
90°	1	92	196	268	294	1
95°	0	87	188	259	284	0
105°	1	70	169	235	259	1
115°	1	54	138	200	224	1
125°	1	41	104	157	178	1
135°	1	33	82	117	132	1
145°	1	24	61	88	99	1
155°	2	13	36	58	67	1
165°	2	6	14	24	33	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°	717.6	717.6	717.6	717.6	717.6
2.5°	710.4	724.8	716.6	717.6	720.7
5°	709.4	724.8	718.6	719.6	728.9
7.5°	705.2	721.7	718.6	723.7	734.0
10°	698.0	718.6	718.6	726.8	736.1
12.5°	690.9	712.4	717.6	727.9	739.2
15°	682.6	706.3	716.6	730.9	742.3
17.5°	672.3	699.1	712.4	729.9	743.3
20°	660.0	688.8	708.3	726.8	742.3
22.5°	645.6	678.5	701.1	723.7	739.2
25°	631.2	666.2	693.9	718.6	734.0
27.5°	614.8	652.8	684.7	712.4	729.9
30°	596.3	637.4	674.4	705.2	722.7
32.5°	577.8	622.0	662.1	697.0	715.5
35°	558.2	604.5	650.8	687.8	707.3
37.5°	536.6	587.0	637.4	677.5	698.0
40°	515.1	568.5	623.0	666.2	687.8
42.5°	492.4	548.0	607.6	652.8	675.4
45°	468.8	528.4	591.1	639.4	662.1
47.5°	445.1	506.8	573.7	624.0	647.7
50°	419.4	484.2	555.1	607.6	632.3
52.5°	392.7	461.6	535.6	591.1	615.8
55°	366.0	436.9	515.1	572.6	598.3
57.5°	338.2	411.2	493.5	553.1	578.8
60°	309.4	385.5	471.9	532.5	559.3
62.5°	280.7	359.8	448.2	510.9	538.7
65°	251.9	332.1	423.6	489.4	515.1
67.5°	221.0	305.3	397.9	465.7	492.4
70°	190.2	276.5	373.2	441.0	467.8
72.5°	159.3	247.8	346.5	416.4	443.1
75°	128.5	220.0	319.7	390.7	417.4
77.5°	100.7	192.2	293.0	365.0	391.7
80°	72.0	165.5	267.3	340.3	366.0
82.5°	45.2	139.8	243.6	316.6	342.3
85°	23.6	118.2	223.1	296.1	321.8
87.5°	7.2	101.8	205.6	278.6	304.3
90°	1.0	92.5	196.4	268.3	294.0
92.5°	0.0	89.4	192.2	263.2	288.9
95°	0.0	87.4	188.1	259.1	283.7
97.5°	0.0	84.3	184.0	253.9	277.6
100°	0.0	80.2	179.9	247.8	272.4
102.5°	0.0	75.0	174.8	241.6	265.2
105°	1.0	69.9	168.6	235.4	259.1
107.5°	1.0	63.7	162.4	228.2	251.9
110°	1.0	58.6	154.2	219.0	242.6

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.0	55.5	146.0	209.7	233.4
115°	1.0	53.5	137.8	200.5	224.1
117.5°	1.0	50.4	129.5	190.2	212.8
120°	1.0	47.3	121.3	178.9	201.5
122.5°	1.0	43.2	112.1	168.6	190.2
125°	1.0	41.1	103.8	157.3	177.9
127.5°	1.0	39.1	98.7	146.0	166.5
130°	1.0	37.0	93.6	134.7	154.2
132.5°	1.0	35.0	88.4	124.4	142.9
135°	1.0	32.9	82.2	117.2	131.6
137.5°	1.0	30.8	77.1	110.0	123.4
140°	1.0	28.8	72.0	102.8	115.1
142.5°	1.0	26.7	66.8	95.6	107.9
145°	1.0	23.6	60.7	88.4	98.7
147.5°	1.0	20.6	54.5	81.2	90.5
150°	1.0	18.5	48.3	74.0	83.3
152.5°	2.1	16.4	42.2	66.8	75.0
155°	2.1	13.4	36.0	57.6	66.8
157.5°	2.1	11.3	29.8	48.3	58.6
160°	2.1	9.3	24.7	39.1	49.3
162.5°	2.1	7.2	19.5	30.8	41.1
165°	2.1	6.2	14.4	23.6	32.9
167.5°	2.1	5.1	11.3	16.4	25.7
170°	2.1	4.1	8.2	11.3	17.5
172.5°	2.1	3.1	5.1	7.2	5.1
175°	2.1	2.1	3.1	3.1	2.1
177.5°	2.1	2.1	2.1	1.0	1.0
180°	1.0	1.0	1.0	1.0	1.0

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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	17.5	18.9	18.1	19.5	20.3	21.5	22.9	22.1	23.5	24.3
	3H	18.9	20.1	19.5	20.8	21.5	24.3	25.5	24.9	26.2	27.0
	4H	19.3	20.5	19.9	21.1	21.9	25.7	26.8	26.3	27.5	28.3
	6H	19.5	20.6	20.2	21.3	22.1	27.1	28.2	27.7	28.8	29.6
	8H	19.5	20.6	20.2	21.3	22.1	27.8	28.8	28.5	29.5	30.3
	12H	19.5	20.5	20.2	21.2	22.1	28.6	29.6	29.3	30.3	31.1
4H	2H	18.8	19.9	19.4	20.6	21.4	21.8	23.0	22.5	23.7	24.5
	3H	20.4	21.4	21.1	22.1	22.9	24.8	25.8	25.5	26.5	27.3
	4H	20.9	21.9	21.6	22.6	23.4	26.3	27.2	27.0	27.9	28.8
	6H	21.3	22.1	22.0	22.8	23.7	27.9	28.7	28.6	29.4	30.3
	8H	21.4	22.1	22.1	22.9	23.7	28.7	29.5	29.4	30.2	31.1
	12H	21.4	22.1	22.1	22.8	23.7	29.6	30.3	30.3	31.1	31.9
8H	4H	21.9	22.7	22.6	23.4	24.3	26.4	27.2	27.1	27.9	28.8
	6H	22.5	23.1	23.2	23.9	24.8	28.1	28.8	28.9	29.6	30.4
	8H	22.6	23.2	23.4	24.0	24.9	29.1	29.7	29.8	30.4	31.3
	12H	22.7	23.3	23.5	24.0	25.0	30.1	30.7	30.9	31.4	32.4
12H	4H	22.2	22.9	22.9	23.6	24.5	26.4	27.1	27.2	27.9	28.7
	6H	22.9	23.5	23.6	24.2	25.1	28.2	28.8	28.9	29.5	30.4
	8H	23.1	23.7	23.9	24.4	25.4	29.1	29.7	29.9	30.4	31.4

(END OF REPORT)