

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: P1500542

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

Issue Date: 7/20/2026

Test Information

Test Method: LM-79-2019
Report Number: P1500542
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-2700K
Description: 3' Vanity SQR Lnr 90CRI-3L5C Sel Brush Nickel 3000 Lumen 2700K

Light Source:
Ballast/Driver: -

Summary

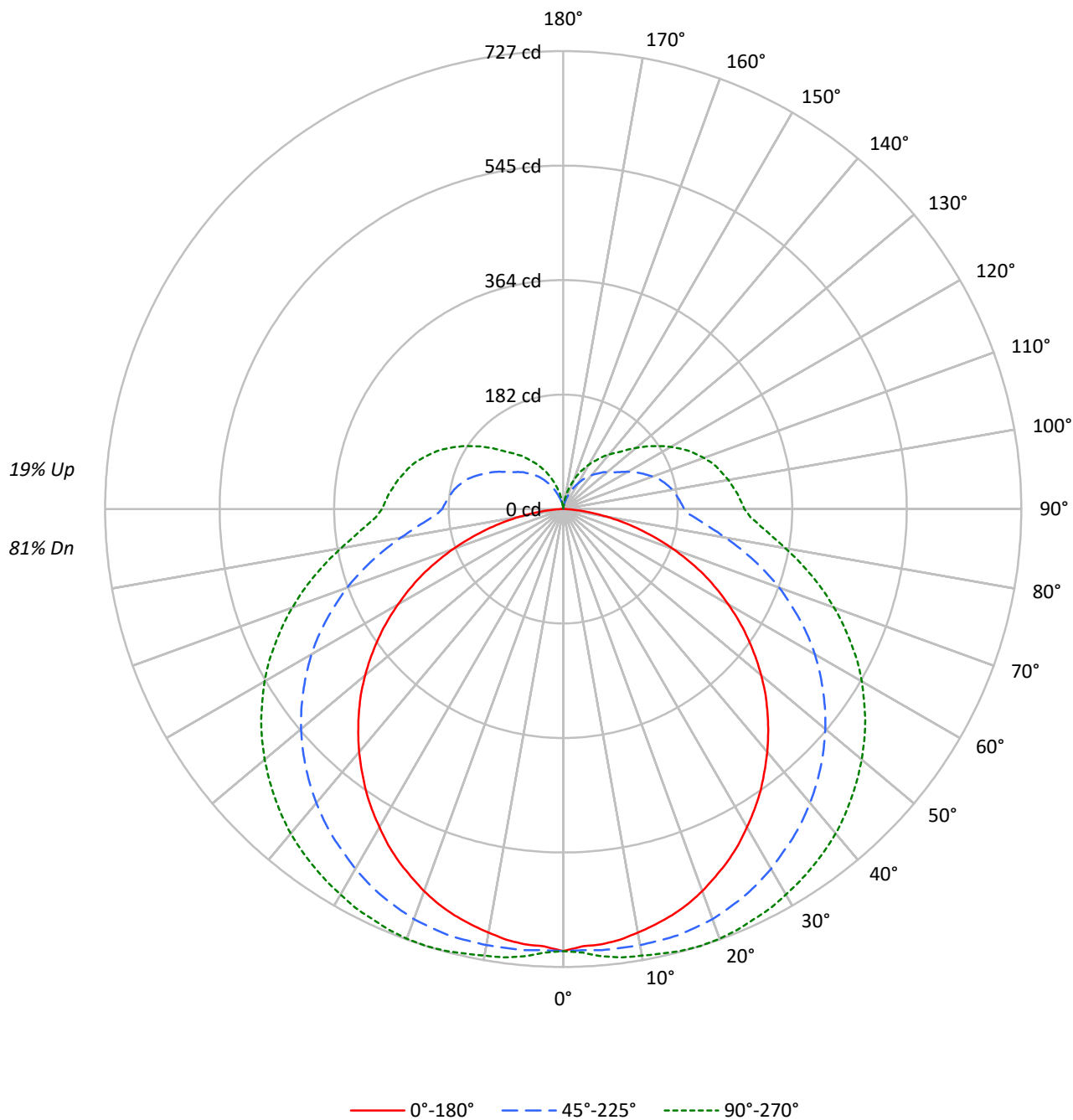
Lumens per Lamp: N/A
Luminaire Lumens: 3431.2 lumens
Efficiency: N/A
Efficacy: 98.3 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.5 / 1.54
Luminous Opening: Rectangular w/ Sides (W: 0.13' x L: 2.92' x H: 0.13')
CIE Type: Semi-Direct

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°	19900	19900	19900
5°	19672	18790	18660
10°	19504	17904	17621
15°	19367	17174	16806
20°	19168	16476	16059
25°	18924	15795	15318
30°	18617	15141	14672
35°	18329	14523	14085
40°	17974	13924	13540
45°	17603	13334	12983
50°	17184	12738	12447
55°	16636	12119	11915
60°	15932	11483	11355
65°	15085	10755	10748
70°	13740	9990	10121
75°	11809	9120	9451
80°	9179	8227	8760
85°	4981	7519	8237

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 17603 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.2	2.0
10°-20°	198.1	5.8
20°-30°	311.6	9.1
30°-40°	394.5	11.5
40°-50°	438.7	12.8
50°-60°	438.8	12.8
60°-70°	394.0	11.5
70°-80°	311.1	9.1
80°-90°	219.6	6.4
90°-100°	180.2	5.3
100°-110°	155.8	4.5
110°-120°	122.2	3.6
120°-130°	86.6	2.5
130°-140°	57.1	1.7
140°-150°	34.4	1.0
150°-160°	16.3	0.5
160°-170°	4.6	0.1
170°-180°	0.4	0.0
0°-30°	576.9	16.8
0°-40°	971.4	28.3
0°-60°	1848.9	53.9
0°-90°	2773.7	80.8
90°-120°	458.1	13.4
90°-150°	636.2	18.5
90°-180°	658.0	19.2
0°-180°	3431.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	702	702	702	702	702	
5°	694	709	703	704	713	66
15°	668	691	701	715	726	188
25°	617	652	679	703	718	284
35°	546	591	636	673	692	341
45°	458	517	578	625	648	354
55°	358	427	504	560	585	320
65°	246	325	414	479	504	243
75°	126	215	313	382	408	134
85°	23	116	218	290	315	29
90°	1	90	192	262	288	1
95°	0	86	184	253	278	0
105°	1	68	165	230	253	1
115°	1	52	135	196	219	1
125°	1	40	102	154	174	1
135°	1	32	80	115	129	1
145°	1	23	59	86	96	1
155°	2	13	35	56	65	1
165°	2	6	14	23	32	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°	701.8	701.8	701.8	701.8	701.8
2.5°	694.8	708.8	700.8	701.8	704.8
5°	693.8	708.8	702.8	703.8	712.9
7.5°	689.7	705.8	702.8	707.8	717.9
10°	682.7	702.8	702.8	710.9	719.9
12.5°	675.7	696.8	701.8	711.9	722.9
15°	667.6	690.8	700.8	714.9	725.9
17.5°	657.6	683.7	696.8	713.9	726.9
20°	645.5	673.7	692.8	710.9	725.9
22.5°	631.4	663.6	685.7	707.8	722.9
25°	617.4	651.5	678.7	702.8	717.9
27.5°	601.3	638.5	669.6	696.8	713.9
30°	583.2	623.4	659.6	689.7	706.8
32.5°	565.1	608.3	647.5	681.7	699.8
35°	546.0	591.2	636.5	672.7	691.8
37.5°	524.8	574.1	623.4	662.6	682.7
40°	503.7	556.0	609.3	651.5	672.7
42.5°	481.6	535.9	594.2	638.5	660.6
45°	458.5	516.8	578.1	625.4	647.5
47.5°	435.4	495.7	561.0	610.3	633.4
50°	410.2	473.6	542.9	594.2	618.4
52.5°	384.1	451.5	523.8	578.1	602.3
55°	357.9	427.3	503.7	560.0	585.2
57.5°	330.8	402.2	482.6	540.9	566.1
60°	302.6	377.0	461.5	520.8	547.0
62.5°	274.5	351.9	438.4	499.7	526.9
65°	246.3	324.8	414.2	478.6	503.7
67.5°	216.2	298.6	389.1	455.5	481.6
70°	186.0	270.5	365.0	431.3	457.5
72.5°	155.8	242.3	338.8	407.2	433.4
75°	125.7	215.2	312.7	382.1	408.2
77.5°	98.5	188.0	286.6	356.9	383.1
80°	70.4	161.9	261.4	332.8	357.9
82.5°	44.2	136.7	238.3	309.7	334.8
85°	23.1	115.6	218.2	289.6	314.7
87.5°	7.0	99.5	201.1	272.5	297.6
90°	1.0	90.5	192.0	262.4	287.6
92.5°	0.0	87.5	188.0	257.4	282.5
95°	0.0	85.5	184.0	253.4	277.5
97.5°	0.0	82.4	180.0	248.3	271.5
100°	0.0	78.4	176.0	242.3	266.4
102.5°	0.0	73.4	170.9	236.3	259.4
105°	1.0	68.4	164.9	230.3	253.4
107.5°	1.0	62.3	158.9	223.2	246.3
110°	1.0	57.3	150.8	214.2	237.3

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.0	54.3	142.8	205.1	228.2
115°	1.0	52.3	134.7	196.1	219.2
117.5°	1.0	49.3	126.7	186.0	208.1
120°	1.0	46.3	118.6	174.9	197.1
122.5°	1.0	42.2	109.6	164.9	186.0
125°	1.0	40.2	101.6	153.8	173.9
127.5°	1.0	38.2	96.5	142.8	162.9
130°	1.0	36.2	91.5	131.7	150.8
132.5°	1.0	34.2	86.5	121.7	139.8
135°	1.0	32.2	80.4	114.6	128.7
137.5°	1.0	30.2	75.4	107.6	120.7
140°	1.0	28.2	70.4	100.5	112.6
142.5°	1.0	26.1	65.4	93.5	105.6
145°	1.0	23.1	59.3	86.5	96.5
147.5°	1.0	20.1	53.3	79.4	88.5
150°	1.0	18.1	47.3	72.4	81.4
152.5°	2.0	16.1	41.2	65.4	73.4
155°	2.0	13.1	35.2	56.3	65.4
157.5°	2.0	11.1	29.2	47.3	57.3
160°	2.0	9.0	24.1	38.2	48.3
162.5°	2.0	7.0	19.1	30.2	40.2
165°	2.0	6.0	14.1	23.1	32.2
167.5°	2.0	5.0	11.1	16.1	25.1
170°	2.0	4.0	8.0	11.1	17.1
172.5°	2.0	3.0	5.0	7.0	5.0
175°	2.0	2.0	3.0	3.0	2.0
177.5°	2.0	2.0	2.0	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	17.4	18.8	18.1	19.4	20.2	21.4	22.8	22.1	23.4	24.2
	3H	18.8	20.0	19.4	20.7	21.5	24.2	25.5	24.9	26.1	26.9
	4H	19.2	20.4	19.9	21.0	21.8	25.6	26.7	26.2	27.4	28.2
	6H	19.4	20.5	20.1	21.2	22.0	27.0	28.1	27.7	28.8	29.6
	8H	19.5	20.5	20.1	21.2	22.0	27.7	28.8	28.4	29.5	30.3
	12H	19.4	20.5	20.1	21.2	22.0	28.5	29.5	29.2	30.2	31.0
4H	2H	18.7	19.9	19.3	20.5	21.3	21.7	22.9	22.4	23.6	24.4
	3H	20.3	21.3	21.0	22.0	22.8	24.7	25.7	25.4	26.4	27.2
	4H	20.9	21.8	21.6	22.5	23.3	26.2	27.1	26.9	27.9	28.7
	6H	21.2	22.0	21.9	22.8	23.6	27.8	28.6	28.5	29.3	30.2
	8H	21.3	22.1	22.0	22.8	23.7	28.6	29.4	29.3	30.1	31.0
	12H	21.3	22.0	22.0	22.8	23.6	29.5	30.2	30.3	31.0	31.9
8H	4H	21.8	22.6	22.5	23.3	24.2	26.3	27.1	27.1	27.9	28.7
	6H	22.4	23.0	23.1	23.8	24.7	28.1	28.7	28.8	29.5	30.4
	8H	22.6	23.2	23.3	23.9	24.8	29.0	29.6	29.8	30.4	31.2
	12H	22.7	23.2	23.4	24.0	24.9	30.1	30.6	30.8	31.4	32.3
12H	4H	22.1	22.8	22.8	23.6	24.4	26.3	27.0	27.1	27.8	28.7
	6H	22.8	23.4	23.5	24.1	25.1	28.1	28.7	28.8	29.4	30.3
	8H	23.1	23.6	23.8	24.4	25.3	29.1	29.6	29.8	30.4	31.3

(END OF REPORT)