

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: P1500510

Luminaire Tested: 2CSSV-S3C59-BN-MED-4000K

Issue Date: 7/20/2026

Test Information

Test Method: LM-79-2019
Report Number: P1500510
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2605-767-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/20/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 2CSSV-S3C59-BN-MED-4000K
Description: 2' Vanity SQR Lnr 90CRI-3L5C Sel Brush Nickel 1600 Lumen 4000K

Light Source:
Ballast/Driver: -

Summary

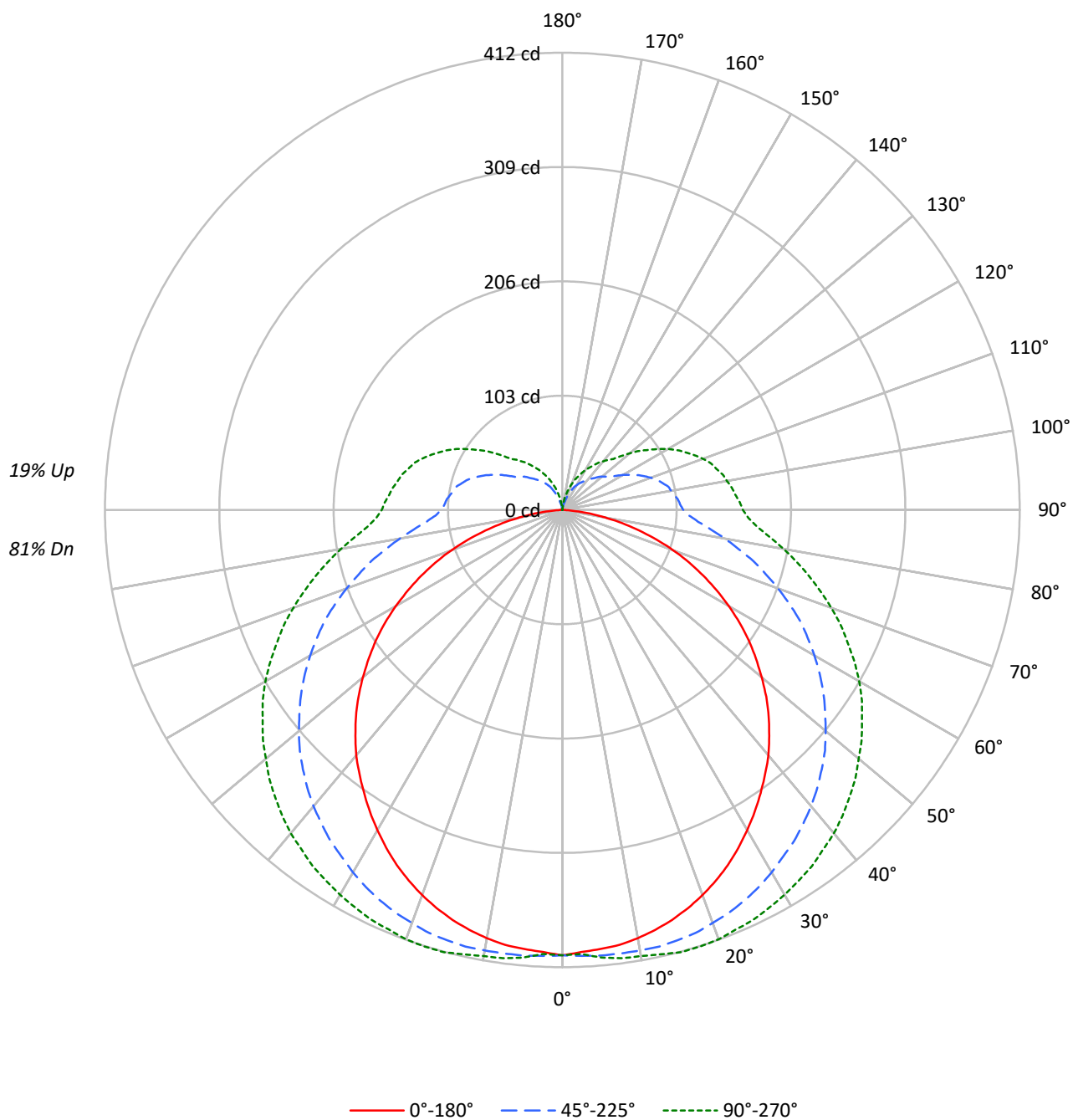
Lumens per Lamp: N/A
Luminaire Lumens: 1936.9 lumens
Efficiency: N/A
Efficacy: 103.6 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.49 / 1.54
Luminous Opening: Rectangular w/ Sides (W: 0.13' x L: 1.92' x H: 0.13')
CIE Type: Semi-Direct

Input Watts (W): 18.7
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	115	115	115	115	110	110	110	110		101	101	101		93	93	93		85	85	85
1	102	96	91	86	97	92	87	83		84	80	77		77	74	71		71	68	66
2	92	82	75	68	87	79	72	66		72	66	61		66	61	57		60	57	53
3	83	71	62	55	79	68	60	54		63	56	50		57	52	47		52	48	44
4	75	63	53	46	72	60	51	45		55	48	42		50	44	40		46	41	37
5	69	55	46	39	66	53	44	38		49	42	36		45	39	34		41	36	32
6	63	50	40	34	60	48	39	33		44	37	31		40	34	29		37	32	28
7	59	45	36	29	56	43	35	29		40	32	27		37	30	26		34	28	24
8	54	41	32	26	52	39	31	25		36	29	24		34	27	23		31	26	22
9	51	37	29	23	48	36	28	22		33	26	21		31	25	20		29	23	19
10	47	34	26	21	45	33	25	20		31	24	19		28	23	18		26	21	17

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	17306	17306	17306
5°	17085	16365	16114
10°	16954	15574	15196
15°	16764	14902	14525
20°	16540	14260	13852
25°	16278	13665	13220
30°	15958	13078	12640
35°	15652	12539	12132
40°	15389	12010	11647
45°	15017	11482	11155
50°	14552	10934	10668
55°	14054	10387	10203
60°	13355	9796	9749
65°	12483	9199	9206
70°	11312	8478	8671
75°	9550	7778	8102
80°	6980	6997	7535
85°	3375	6310	7022

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 15017 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.4	2.0
10°-20°	113.1	5.8
20°-30°	177.6	9.2
30°-40°	224.7	11.6
40°-50°	249.9	12.9
50°-60°	249.4	12.9
60°-70°	223.6	11.5
70°-80°	176.2	9.1
80°-90°	123.9	6.4
90°-100°	101.9	5.3
100°-110°	87.9	4.5
110°-120°	67.3	3.5
120°-130°	45.4	2.3
130°-140°	28.8	1.5
140°-150°	17.6	0.9
150°-160°	8.6	0.4
160°-170°	2.4	0.1
170°-180°	0.2	0.0
0°-30°	329.1	17.0
0°-40°	553.8	28.6
0°-60°	1053.1	54.4
0°-90°	1576.8	81.4
90°-120°	257.1	13.3
90°-150°	349.0	18.0
90°-180°	360.0	18.6
0°-180°	1936.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	401	401	401	401	401	
5°	397	403	403	404	405	38
15°	382	393	401	409	412	108
25°	353	370	388	401	407	163
35°	311	336	364	383	392	195
45°	263	293	330	356	366	203
55°	205	242	287	318	330	183
65°	140	185	236	272	284	139
75°	72	122	178	216	230	76
85°	12	66	123	163	176	16
90°	0	51	109	148	163	0
95°	0	48	105	143	156	0
105°	0	37	93	131	144	0
115°	0	25	74	111	123	0
125°	0	18	52	83	94	0
135°	0	15	41	59	65	0
145°	0	12	30	44	49	0
155°	1	7	20	29	33	0
165°	1	3	7	12	16	0
175°	1	1	1	2	1	0
180°	0	0	0	0	0	0

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	401.3	401.3	401.3	401.3	401.3
2.5°	398.7	403.9	402.2	401.3	400.4
5°	397.0	403.0	403.0	403.9	404.8
7.5°	395.3	401.3	403.0	404.8	407.4
10°	391.8	399.6	403.0	406.5	408.2
12.5°	387.5	397.0	403.0	407.4	410.0
15°	382.3	392.7	401.3	409.1	412.5
17.5°	376.2	388.3	399.6	409.1	412.5
20°	369.3	383.1	396.1	406.5	411.7
22.5°	361.5	377.1	392.7	403.9	409.1
25°	352.9	370.2	388.3	401.3	407.4
27.5°	343.4	362.4	383.1	397.8	403.9
30°	333.0	353.7	377.1	393.5	400.4
32.5°	322.6	345.1	370.2	388.3	396.1
35°	311.4	336.4	364.1	383.1	391.8
37.5°	300.1	326.9	356.3	378.0	385.7
40°	288.9	315.7	348.5	371.0	380.5
42.5°	275.9	305.3	339.9	364.1	373.6
45°	262.9	293.2	330.4	356.3	365.8
47.5°	249.1	282.0	320.9	347.7	358.1
50°	234.4	269.0	309.6	338.2	348.5
52.5°	219.7	256.0	298.4	328.7	339.9
55°	205.0	242.2	287.1	318.3	329.5
57.5°	189.4	229.2	275.0	307.0	320.0
60°	173.0	214.5	262.1	295.8	308.8
62.5°	156.5	199.8	249.1	283.7	296.7
65°	140.1	185.1	236.1	271.6	283.7
67.5°	123.7	169.5	221.4	257.7	271.6
70°	106.4	153.9	206.7	244.8	257.7
72.5°	89.1	137.5	192.0	230.1	243.9
75°	71.8	121.9	178.2	216.2	230.1
77.5°	55.4	106.4	162.6	201.5	216.2
80°	38.9	91.7	148.8	187.7	202.4
82.5°	25.1	77.8	134.9	174.7	188.5
85°	12.1	65.7	122.8	162.6	176.4
87.5°	3.5	56.2	114.2	153.1	167.8
90°	0.0	51.0	109.0	147.9	162.6
92.5°	0.0	49.3	106.4	145.3	160.0
95°	0.0	48.4	104.7	142.7	156.5
97.5°	0.0	46.7	102.1	140.1	153.9
100°	0.0	44.1	99.5	137.5	150.5
102.5°	0.0	40.6	97.7	134.1	147.9
105°	0.0	37.2	93.4	130.6	143.6
107.5°	0.0	32.9	89.9	126.3	140.1
110°	0.0	28.5	84.8	121.9	134.9

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	26.8	79.6	116.8	128.9
115°	0.0	25.1	74.4	110.7	122.8
117.5°	0.0	24.2	68.3	103.8	116.8
120°	0.0	21.6	63.1	96.9	109.8
122.5°	0.0	19.9	57.1	89.9	102.1
125°	0.0	18.2	51.9	83.0	94.3
127.5°	0.0	16.4	49.3	76.1	87.4
130°	0.0	16.4	46.7	69.2	79.6
132.5°	0.0	15.6	44.1	62.3	71.8
135°	0.0	14.7	40.6	58.8	64.9
137.5°	0.0	13.8	38.1	55.4	61.4
140°	0.0	13.8	35.5	51.9	57.1
142.5°	0.0	13.0	32.9	48.4	53.6
145°	0.0	12.1	30.3	44.1	49.3
147.5°	0.0	11.2	28.5	40.6	45.0
150°	0.0	9.5	25.9	37.2	41.5
152.5°	0.0	7.8	23.4	33.7	37.2
155°	0.9	6.9	19.9	29.4	32.9
157.5°	0.9	5.2	16.4	25.9	29.4
160°	0.9	4.3	13.0	21.6	25.1
162.5°	0.9	3.5	9.5	17.3	20.8
165°	0.9	2.6	6.9	12.1	16.4
167.5°	0.9	1.7	5.2	8.6	12.1
170°	0.9	1.7	3.5	5.2	8.6
172.5°	0.9	0.9	1.7	3.5	2.6
175°	0.9	0.9	0.9	1.7	0.9
177.5°	0.9	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0

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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	17.0	18.3	17.6	19.0	19.7	20.9	22.2	21.5	22.9	23.6
	3H	18.3	19.6	19.0	20.2	21.0	23.6	24.9	24.3	25.5	26.3
	4H	18.7	19.9	19.4	20.6	21.4	24.9	26.1	25.6	26.8	27.6
	6H	19.0	20.1	19.6	20.7	21.5	26.3	27.4	27.0	28.1	28.9
	8H	19.0	20.0	19.7	20.7	21.5	27.0	28.1	27.7	28.8	29.6
	12H	19.0	20.0	19.7	20.7	21.5	27.8	28.8	28.4	29.5	30.3
4H	2H	18.2	19.4	18.9	20.1	20.8	21.2	22.4	21.8	23.0	23.8
	3H	19.8	20.9	20.5	21.5	22.3	24.1	25.1	24.8	25.8	26.6
	4H	20.4	21.3	21.1	22.0	22.9	25.6	26.5	26.3	27.2	28.1
	6H	20.7	21.6	21.4	22.3	23.1	27.1	28.0	27.8	28.7	29.5
	8H	20.8	21.6	21.5	22.3	23.2	27.9	28.7	28.6	29.4	30.3
	12H	20.8	21.5	21.6	22.3	23.1	28.8	29.5	29.5	30.3	31.1
8H	4H	21.3	22.1	22.0	22.8	23.7	25.7	26.5	26.4	27.2	28.1
	6H	21.9	22.5	22.6	23.3	24.2	27.4	28.1	28.2	28.9	29.7
	8H	22.1	22.7	22.8	23.4	24.3	28.3	28.9	29.1	29.7	30.6
	12H	22.2	22.7	22.9	23.5	24.4	29.4	29.9	30.1	30.7	31.6
12H	4H	21.6	22.3	22.3	23.0	23.9	25.7	26.4	26.5	27.2	28.0
	6H	22.3	22.9	23.0	23.6	24.5	27.4	28.0	28.2	28.8	29.7
	8H	22.6	23.1	23.3	23.8	24.8	28.4	28.9	29.2	29.7	30.6

(END OF REPORT)