

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: P1500509

Luminaire Tested: 2CSSV-S3C59-BN-MED-3500K

Issue Date: 7/20/2026

Test Information

Test Method: LM-79-2019
Report Number: P1500509
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-3500K
Description: 2' Vanity SQR Lnr 90CRI-3L5C Sel Brush Nickel 1600 Lumen 3500K

Light Source:
Ballast/Driver: -

Summary

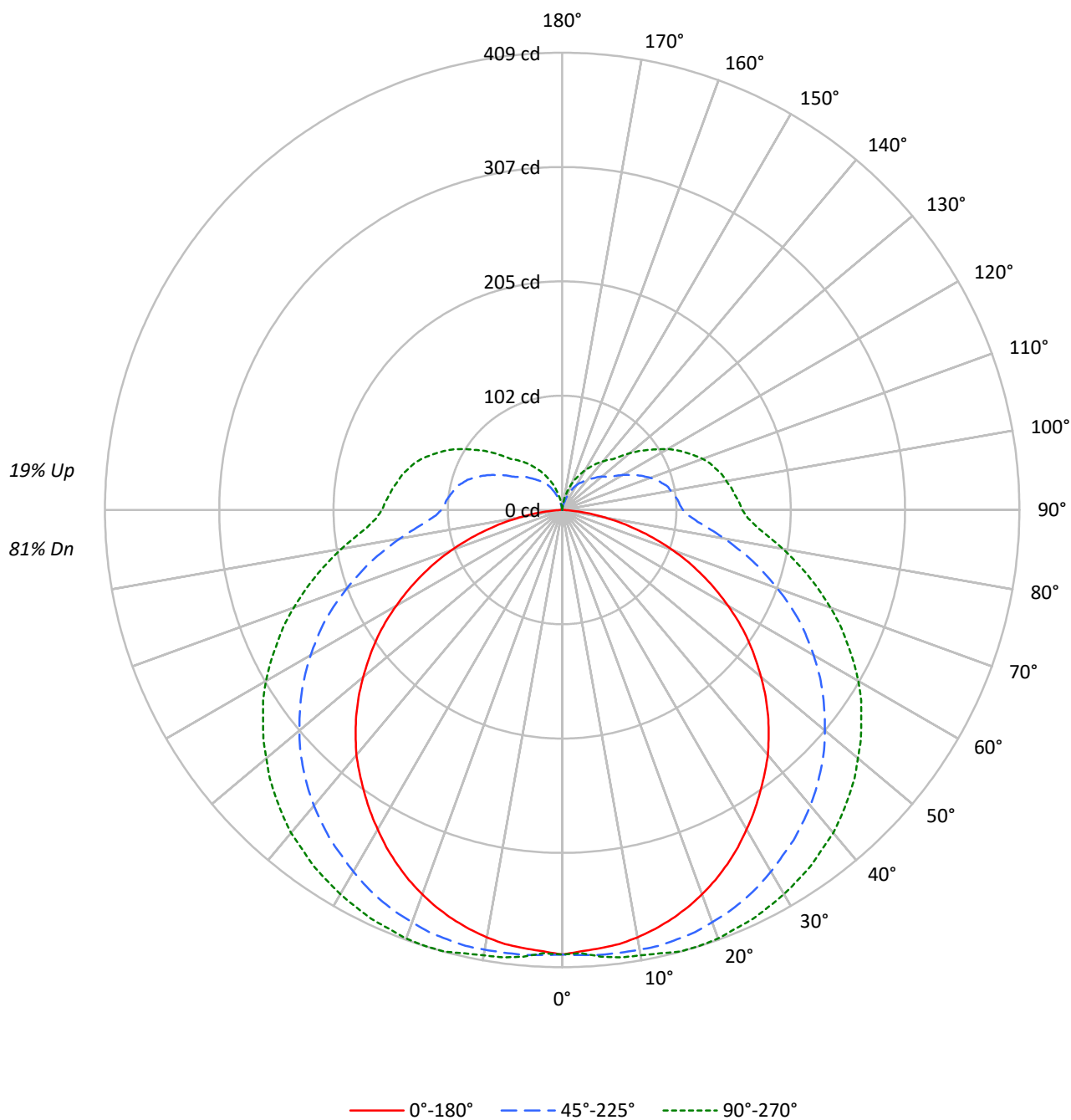
Lumens per Lamp: N/A
Luminaire Lumens: 1919.2 lumens
Efficiency: N/A
Efficacy: 103.2 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.49 / 1.54
Luminous Opening: Rectangular w/ Sides (W: 0.13' x L: 1.92' x H: 0.13')
CIE Type: Semi-Direct

Input Watts (W): 18.6
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°	17146	17146	17146
5°	16930	16219	15966
10°	16799	15435	15058
15°	16611	14764	14394
20°	16388	14130	13724
25°	16126	13542	13097
30°	15810	12956	12527
35°	15506	12426	12020
40°	15246	11903	11543
45°	14880	11377	11054
50°	14415	10835	10573
55°	13924	10293	10110
60°	13231	9706	9657
65°	12368	9117	9122
70°	11205	8400	8593
75°	9457	7703	8028
80°	6926	6931	7464
85°	3347	6253	6958

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 14880 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.1	2.0
10°-20°	112.1	5.8
20°-30°	176.0	9.2
30°-40°	222.7	11.6
40°-50°	247.6	12.9
50°-60°	247.1	12.9
60°-70°	221.6	11.5
70°-80°	174.5	9.1
80°-90°	122.8	6.4
90°-100°	100.9	5.3
100°-110°	87.1	4.5
110°-120°	66.7	3.5
120°-130°	45.0	2.3
130°-140°	28.6	1.5
140°-150°	17.5	0.9
150°-160°	8.5	0.4
160°-170°	2.4	0.1
170°-180°	0.2	0.0
0°-30°	326.1	17.0
0°-40°	548.8	28.6
0°-60°	1043.5	54.4
0°-90°	1562.4	81.4
90°-120°	254.7	13.3
90°-150°	345.8	18.0
90°-180°	357.0	18.6
0°-180°	1919.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	398	398	398	398	398	
5°	393	399	399	400	401	37
15°	379	389	398	405	409	107
25°	350	367	385	398	404	161
35°	308	333	361	380	388	193
45°	260	290	327	353	362	201
55°	203	240	284	315	326	181
65°	139	183	234	269	281	137
75°	71	121	176	214	228	75
85°	12	65	122	161	175	16
90°	0	51	108	146	161	0
95°	0	48	104	141	155	0
105°	0	37	93	129	142	0
115°	0	25	74	110	122	0
125°	0	18	51	82	93	0
135°	0	15	40	58	64	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°	397.6	397.6	397.6	397.6	397.6
2.5°	395.1	400.2	398.5	397.6	396.8
5°	393.4	399.4	399.4	400.2	401.1
7.5°	391.6	397.6	399.4	401.1	403.6
10°	388.2	395.9	399.4	402.8	404.5
12.5°	383.9	393.4	399.4	403.6	406.2
15°	378.8	389.1	397.6	405.4	408.8
17.5°	372.8	384.8	395.9	405.4	408.8
20°	365.9	379.6	392.5	402.8	407.9
22.5°	358.2	373.6	389.1	400.2	405.4
25°	349.6	366.8	384.8	397.6	403.6
27.5°	340.2	359.1	379.6	394.2	400.2
30°	329.9	350.5	373.6	389.9	396.8
32.5°	319.7	341.9	366.8	384.8	392.5
35°	308.5	333.4	360.8	379.6	388.2
37.5°	297.4	323.9	353.1	374.5	382.2
40°	286.2	312.8	345.4	367.6	377.1
42.5°	273.4	302.5	336.8	360.8	370.2
45°	260.5	290.5	327.4	353.1	362.5
47.5°	246.8	279.4	317.9	344.5	354.8
50°	232.2	266.5	306.8	335.1	345.4
52.5°	217.7	253.7	295.7	325.7	336.8
55°	203.1	240.0	284.5	315.4	326.5
57.5°	187.7	227.1	272.5	304.2	317.1
60°	171.4	212.5	259.7	293.1	305.9
62.5°	155.1	198.0	246.8	281.1	293.9
65°	138.8	183.4	234.0	269.1	281.1
67.5°	122.5	168.0	219.4	255.4	269.1
70°	105.4	152.5	204.8	242.5	255.4
72.5°	88.3	136.3	190.2	228.0	241.7
75°	71.1	120.8	176.5	214.2	228.0
77.5°	54.8	105.4	161.1	199.7	214.2
80°	38.6	90.8	147.4	186.0	200.5
82.5°	24.9	77.1	133.7	173.1	186.8
85°	12.0	65.1	121.7	161.1	174.8
87.5°	3.4	55.7	113.1	151.7	166.3
90°	0.0	50.6	108.0	146.5	161.1
92.5°	0.0	48.8	105.4	144.0	158.5
95°	0.0	48.0	103.7	141.4	155.1
97.5°	0.0	46.3	101.1	138.8	152.5
100°	0.0	43.7	98.6	136.3	149.1
102.5°	0.0	40.3	96.8	132.8	146.5
105°	0.0	36.9	92.6	129.4	142.3
107.5°	0.0	32.6	89.1	125.1	138.8
110°	0.0	28.3	84.0	120.8	133.7

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	26.6	78.8	115.7	127.7
115°	0.0	24.9	73.7	109.7	121.7
117.5°	0.0	24.0	67.7	102.8	115.7
120°	0.0	21.4	62.6	96.0	108.8
122.5°	0.0	19.7	56.6	89.1	101.1
125°	0.0	18.0	51.4	82.3	93.4
127.5°	0.0	16.3	48.8	75.4	86.6
130°	0.0	16.3	46.3	68.6	78.8
132.5°	0.0	15.4	43.7	61.7	71.1
135°	0.0	14.6	40.3	58.3	64.3
137.5°	0.0	13.7	37.7	54.8	60.8
140°	0.0	13.7	35.1	51.4	56.6
142.5°	0.0	12.9	32.6	48.0	53.1
145°	0.0	12.0	30.0	43.7	48.8
147.5°	0.0	11.1	28.3	40.3	44.6
150°	0.0	9.4	25.7	36.9	41.1
152.5°	0.0	7.7	23.1	33.4	36.9
155°	0.9	6.9	19.7	29.1	32.6
157.5°	0.9	5.1	16.3	25.7	29.1
160°	0.9	4.3	12.9	21.4	24.9
162.5°	0.9	3.4	9.4	17.1	20.6
165°	0.9	2.6	6.9	12.0	16.3
167.5°	0.9	1.7	5.1	8.6	12.0
170°	0.9	1.7	3.4	5.1	8.6
172.5°	0.9	0.9	1.7	3.4	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	16.9	18.3	17.6	18.9	19.7	20.9	22.2	21.5	22.9	23.6
	3H	18.3	19.5	18.9	20.2	21.0	23.6	24.8	24.2	25.5	26.2
	4H	18.7	19.9	19.4	20.6	21.3	24.9	26.1	25.6	26.8	27.5
	6H	18.9	20.0	19.6	20.7	21.5	26.3	27.4	26.9	28.1	28.9
	8H	19.0	20.0	19.6	20.7	21.5	27.0	28.0	27.7	28.7	29.5
	12H	18.9	20.0	19.6	20.7	21.5	27.7	28.7	28.4	29.4	30.3
4H	2H	18.2	19.4	18.8	20.0	20.8	21.2	22.3	21.8	23.0	23.8
	3H	19.8	20.8	20.5	21.5	22.3	24.1	25.1	24.8	25.8	26.6
	4H	20.4	21.3	21.0	22.0	22.8	25.6	26.5	26.3	27.2	28.0
	6H	20.7	21.5	21.4	22.3	23.1	27.1	27.9	27.8	28.7	29.5
	8H	20.8	21.5	21.5	22.3	23.1	27.9	28.7	28.6	29.4	30.3
	12H	20.8	21.5	21.5	22.3	23.1	28.8	29.5	29.5	30.2	31.1
8H	4H	21.3	22.1	22.0	22.8	23.6	25.7	26.5	26.4	27.2	28.1
	6H	21.9	22.5	22.6	23.3	24.1	27.4	28.1	28.1	28.8	29.7
	8H	22.0	22.6	22.8	23.4	24.3	28.3	28.9	29.0	29.7	30.5
	12H	22.1	22.7	22.9	23.4	24.3	29.3	29.9	30.1	30.6	31.5
12H	4H	21.6	22.3	22.3	23.0	23.9	25.7	26.4	26.4	27.2	28.0
	6H	22.2	22.9	23.0	23.6	24.5	27.4	28.0	28.2	28.8	29.7
	8H	22.5	23.1	23.3	23.8	24.7	28.4	28.9	29.1	29.7	30.6

(END OF REPORT)