

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: P1500507

Luminaire Tested: 2CSSV-S3C59-BN-MED-2700K

Issue Date: 7/20/2026

Test Information

Test Method: LM-79-2019
Report Number: P1500507
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-2700K
Description: 2' Vanity SQR Lnr 90CRI-3L5C Sel Brush Nickel 1600 Lumen 2700K

Light Source:
Ballast/Driver: -

Summary

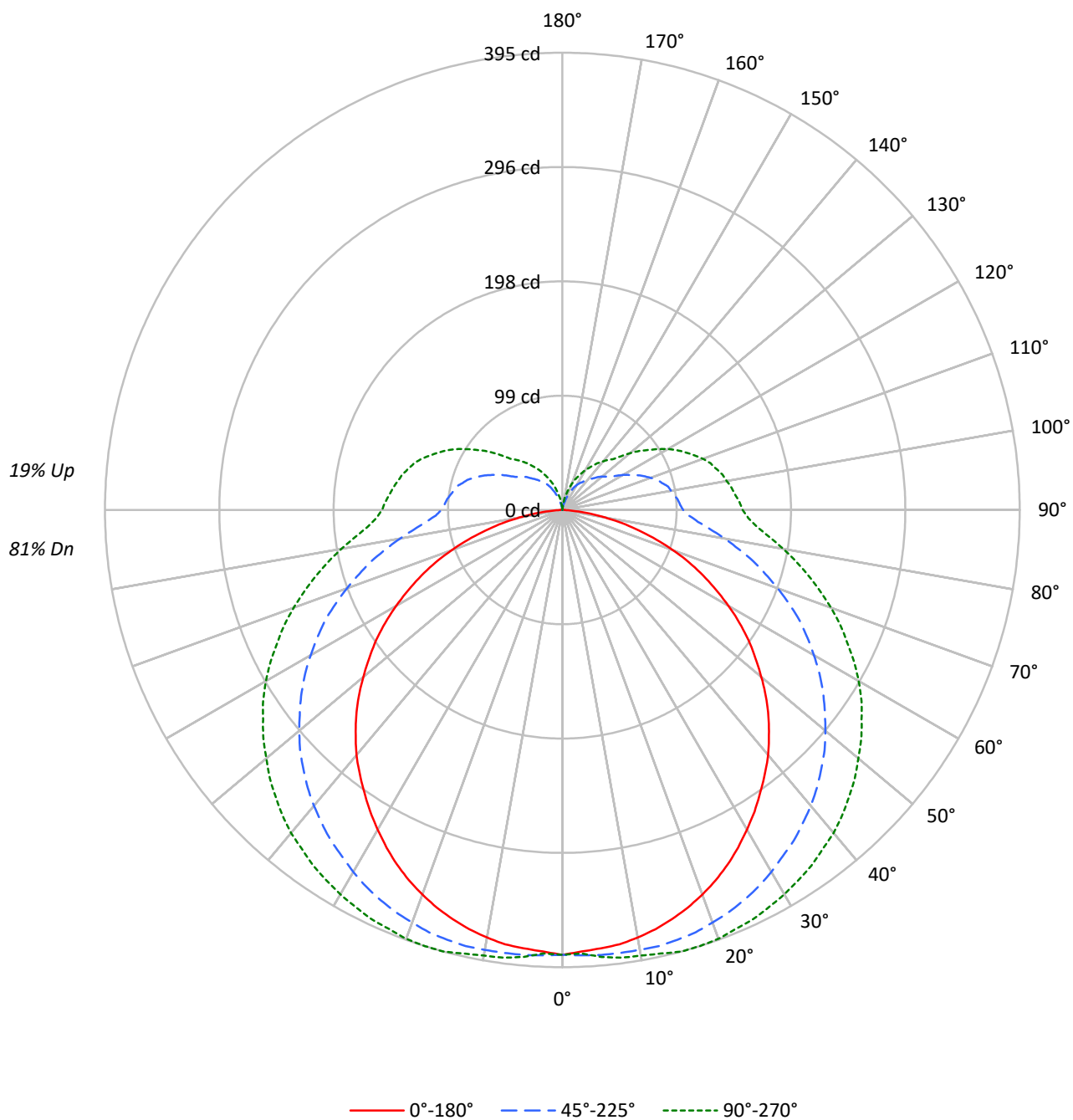
Lumens per Lamp: N/A
Luminaire Lumens: 1854.6 lumens
Efficiency: N/A
Efficacy: 99.7 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.49 / 1.54
Luminous Opening: Rectangular w/ Sides (W: 0.13' x L: 1.92' x H: 0.13')
CIE Type: Semi-Direct

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					10
RW	70	50	30	10	70	50	30	10		50	30	10			50	30	10			50
RCR																				
0	115	115	115	115	110	110	110	110		101	101	101			93	93	93			85
1	102	96	91	86	97	92	87	83		84	80	77			77	74	71			71
2	92	82	75	68	87	79	72	66		72	66	61			66	61	57			60
3	83	71	62	55	79	68	60	54		63	56	50			57	52	47			52
4	75	63	53	46	72	60	51	45		55	48	42			50	44	40			46
5	69	55	46	39	66	53	44	38		49	42	36			45	39	34			41
6	63	50	40	34	60	48	39	33		44	37	31			40	34	29			37
7	59	45	36	29	56	43	35	29		40	32	27			37	30	26			34
8	54	41	32	26	52	39	31	25		36	29	24			34	27	23			31
9	51	37	29	23	48	36	28	22		33	26	21			31	25	20			29
10	47	34	26	21	45	33	25	20		31	24	19			28	23	18			26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	16573	16573	16573
5°	16357	15670	15429
10°	16232	14913	14552
15°	16049	14271	13908
20°	15837	13655	13263
25°	15586	13085	12659
30°	15278	12523	12104
35°	14983	12006	11615
40°	14734	11500	11154
45°	14383	10992	10682
50°	13931	10471	10215
55°	13458	9945	9769
60°	12784	9377	9332
65°	11958	8809	8814
70°	10833	8117	8304
75°	9138	7446	7757
80°	6693	6696	7214
85°	3236	6043	6723

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 14383 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.8	2.0
10°-20°	108.3	5.8
20°-30°	170.1	9.2
30°-40°	215.2	11.6
40°-50°	239.3	12.9
50°-60°	238.8	12.9
60°-70°	214.1	11.5
70°-80°	168.7	9.1
80°-90°	118.6	6.4
90°-100°	97.5	5.3
100°-110°	84.1	4.5
110°-120°	64.5	3.5
120°-130°	43.5	2.3
130°-140°	27.6	1.5
140°-150°	16.9	0.9
150°-160°	8.2	0.4
160°-170°	2.3	0.1
170°-180°	0.2	0.0
0°-30°	315.1	17.0
0°-40°	530.3	28.6
0°-60°	1008.3	54.4
0°-90°	1509.8	81.4
90°-120°	246.1	13.3
90°-150°	334.1	18.0
90°-180°	345.0	18.6
0°-180°	1854.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	384	384	384	384	384	
5°	380	386	386	387	388	36
15°	366	376	384	392	395	103
25°	338	354	372	384	390	156
35°	298	322	349	367	375	187
45°	252	281	316	341	350	194
55°	196	232	275	305	316	175
65°	134	177	226	260	272	133
75°	69	117	171	207	220	73
85°	12	63	118	156	169	15
90°	0	49	104	142	156	0
95°	0	46	100	137	150	0
105°	0	36	89	125	138	0
115°	0	24	71	106	118	0
125°	0	17	50	80	90	0
135°	0	14	39	56	62	0
145°	0	12	29	42	47	0
155°	1	7	19	28	32	0
165°	1	2	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°	384.3	384.3	384.3	384.3	384.3
2.5°	381.8	386.7	385.1	384.3	383.4
5°	380.1	385.9	385.9	386.7	387.6
7.5°	378.5	384.3	385.9	387.6	390.1
10°	375.1	382.6	385.9	389.2	390.9
12.5°	371.0	380.1	385.9	390.1	392.5
15°	366.0	376.0	384.3	391.7	395.0
17.5°	360.2	371.8	382.6	391.7	395.0
20°	353.6	366.9	379.3	389.2	394.2
22.5°	346.2	361.1	376.0	386.7	391.7
25°	337.9	354.4	371.8	384.3	390.1
27.5°	328.8	347.0	366.9	380.9	386.7
30°	318.8	338.7	361.1	376.8	383.4
32.5°	308.9	330.4	354.4	371.8	379.3
35°	298.1	322.1	348.6	366.9	375.1
37.5°	287.4	313.0	341.2	361.9	369.3
40°	276.6	302.3	333.7	355.3	364.4
42.5°	264.2	292.3	325.5	348.6	357.8
45°	251.8	280.7	316.3	341.2	350.3
47.5°	238.5	270.0	307.2	332.9	342.8
50°	224.4	257.5	296.5	323.8	333.7
52.5°	210.3	245.1	285.7	314.7	325.5
55°	196.3	231.9	274.9	304.8	315.5
57.5°	181.4	219.5	263.3	294.0	306.4
60°	165.6	205.4	250.9	283.2	295.6
62.5°	149.9	191.3	238.5	271.6	284.0
65°	134.2	177.2	226.1	260.0	271.6
67.5°	118.4	162.3	212.0	246.8	260.0
70°	101.9	147.4	197.9	234.4	246.8
72.5°	85.3	131.7	183.8	220.3	233.5
75°	68.7	116.8	170.6	207.0	220.3
77.5°	53.0	101.9	155.7	193.0	207.0
80°	37.3	87.8	142.4	179.7	193.8
82.5°	24.0	74.5	129.2	167.3	180.5
85°	11.6	62.9	117.6	155.7	168.9
87.5°	3.3	53.8	109.3	146.6	160.7
90°	0.0	48.9	104.3	141.6	155.7
92.5°	0.0	47.2	101.9	139.1	153.2
95°	0.0	46.4	100.2	136.6	149.9
97.5°	0.0	44.7	97.7	134.2	147.4
100°	0.0	42.2	95.2	131.7	144.1
102.5°	0.0	38.9	93.6	128.4	141.6
105°	0.0	35.6	89.4	125.0	137.5
107.5°	0.0	31.5	86.1	120.9	134.2
110°	0.0	27.3	81.2	116.8	129.2

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	25.7	76.2	111.8	123.4
115°	0.0	24.0	71.2	106.0	117.6
117.5°	0.0	23.2	65.4	99.4	111.8
120°	0.0	20.7	60.5	92.8	105.2
122.5°	0.0	19.0	54.7	86.1	97.7
125°	0.0	17.4	49.7	79.5	90.3
127.5°	0.0	15.7	47.2	72.9	83.6
130°	0.0	15.7	44.7	66.3	76.2
132.5°	0.0	14.9	42.2	59.6	68.7
135°	0.0	14.1	38.9	56.3	62.1
137.5°	0.0	13.3	36.4	53.0	58.8
140°	0.0	13.3	34.0	49.7	54.7
142.5°	0.0	12.4	31.5	46.4	51.3
145°	0.0	11.6	29.0	42.2	47.2
147.5°	0.0	10.8	27.3	38.9	43.1
150°	0.0	9.1	24.8	35.6	39.8
152.5°	0.0	7.5	22.4	32.3	35.6
155°	0.8	6.6	19.0	28.2	31.5
157.5°	0.8	5.0	15.7	24.8	28.2
160°	0.8	4.1	12.4	20.7	24.0
162.5°	0.8	3.3	9.1	16.6	19.9
165°	0.8	2.5	6.6	11.6	15.7
167.5°	0.8	1.7	5.0	8.3	11.6
170°	0.8	1.7	3.3	5.0	8.3
172.5°	0.8	0.8	1.7	3.3	2.5
175°	0.8	0.8	0.8	1.7	0.8
177.5°	0.8	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	16.8	18.2	17.4	18.8	19.6	20.7	22.1	21.4	22.7	23.5
	3H	18.2	19.4	18.8	20.1	20.8	23.5	24.7	24.1	25.4	26.1
	4H	18.6	19.8	19.2	20.4	21.2	24.8	26.0	25.4	26.6	27.4
	6H	18.8	19.9	19.5	20.6	21.4	26.2	27.3	26.8	27.9	28.7
	8H	18.8	19.9	19.5	20.6	21.4	26.9	27.9	27.5	28.6	29.4
	12H	18.8	19.8	19.5	20.5	21.4	27.6	28.6	28.3	29.3	30.1
4H	2H	18.1	19.2	18.7	19.9	20.7	21.0	22.2	21.7	22.9	23.7
	3H	19.7	20.7	20.4	21.4	22.2	24.0	25.0	24.6	25.7	26.5
	4H	20.2	21.2	20.9	21.9	22.7	25.5	26.4	26.1	27.1	27.9
	6H	20.6	21.4	21.3	22.1	23.0	27.0	27.8	27.7	28.5	29.4
	8H	20.7	21.4	21.4	22.2	23.0	27.8	28.6	28.5	29.3	30.1
	12H	20.7	21.4	21.4	22.1	23.0	28.6	29.4	29.4	30.1	31.0
8H	4H	21.2	22.0	21.9	22.7	23.5	25.6	26.4	26.3	27.1	27.9
	6H	21.7	22.4	22.5	23.2	24.0	27.3	27.9	28.0	28.7	29.6
	8H	21.9	22.5	22.7	23.3	24.1	28.2	28.8	28.9	29.6	30.4
	12H	22.0	22.5	22.8	23.3	24.2	29.2	29.7	30.0	30.5	31.4
12H	4H	21.4	22.1	22.2	22.9	23.8	25.6	26.3	26.3	27.0	27.9
	6H	22.1	22.7	22.9	23.5	24.4	27.3	27.9	28.1	28.6	29.5
	8H	22.4	22.9	23.2	23.7	24.6	28.3	28.8	29.0	29.5	30.5

(END OF REPORT)