

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: P1500526

Luminaire Tested: 2CSSV-S3C59-MB-MED-5000K

Issue Date: 7/20/2026

Test Information

Test Method: LM-79-2019
Report Number: P1500526
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-MB-MED-5000K
Description: 2' Vanity SQR Lnr 90CRI-3L5C Sel Matte Blk 1600 Lumen 5000K

Light Source:
Ballast/Driver: -

Summary

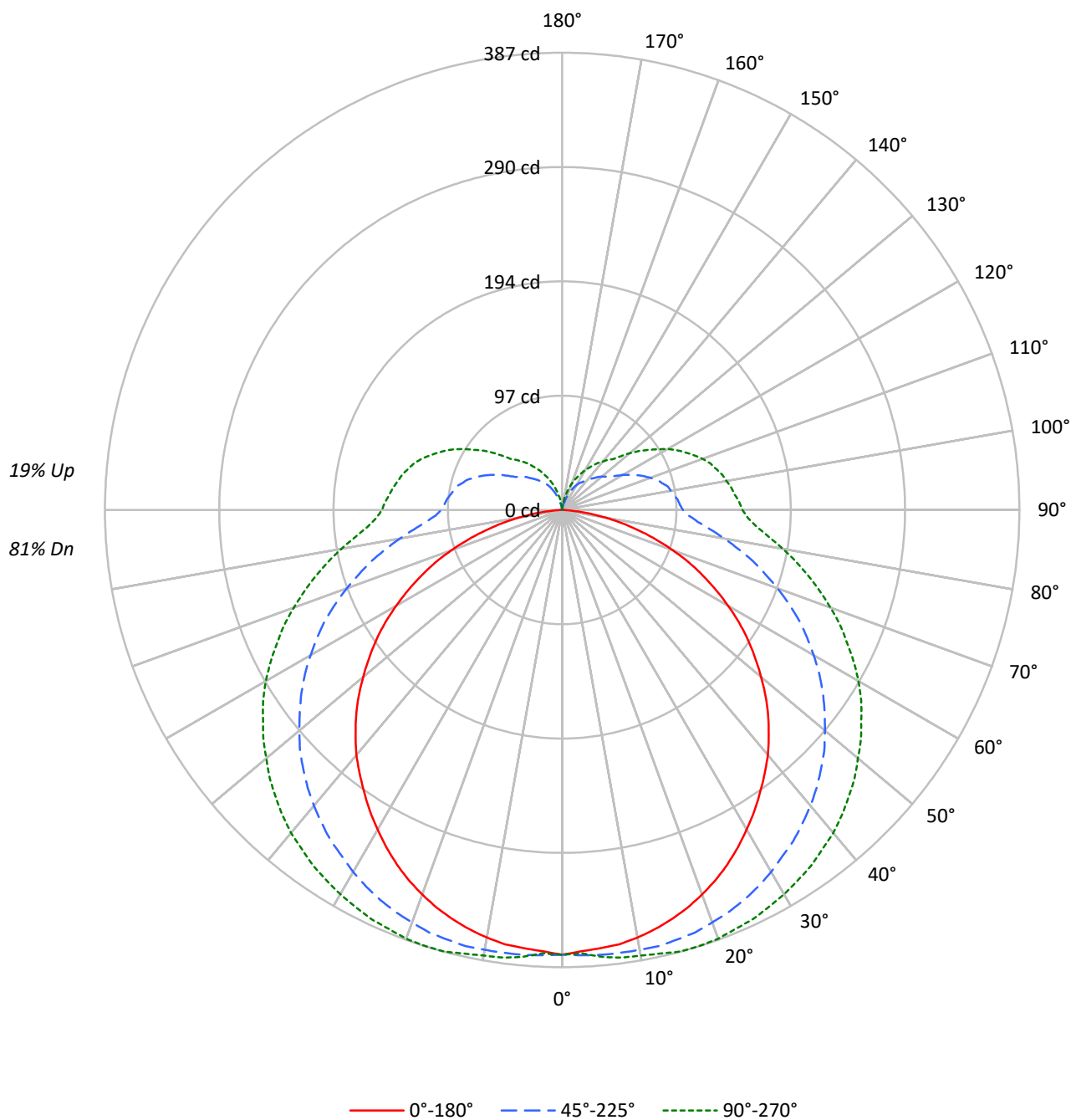
Lumens per Lamp: N/A
Luminaire Lumens: 1816.6 lumens
Efficiency: N/A
Efficacy: 97.7 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.49 / 1.54
Luminous Opening: Rectangular w/ Sides (W: 0.13' x L: 1.92' x H: 0.13')
CIE Type: Semi-Direct

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					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	0
RCR																				
0	115	115	115	115	110	110	110	110	101	101	101	93	93	93	85	85	85	81		
1	102	96	91	86	97	92	87	83	84	80	77	77	74	71	71	68	66	63		
2	92	82	75	68	87	79	72	66	72	66	61	66	61	57	60	57	53	50		
3	83	71	62	55	79	68	60	54	63	56	50	57	52	47	52	48	44	41		
4	75	63	53	46	72	60	51	45	55	48	42	50	44	40	46	41	37	34		
5	69	55	46	39	66	53	44	38	49	42	36	45	39	34	41	36	32	29		
6	63	50	40	34	60	48	39	33	44	37	31	40	34	29	37	32	28	25		
7	59	45	36	29	56	43	35	29	40	32	27	37	30	26	34	28	24	22		
8	54	41	32	26	52	39	31	25	36	29	24	34	27	23	31	26	22	19		
9	51	37	29	23	48	36	28	22	33	26	21	31	25	20	29	23	19	17		
10	47	34	26	21	45	33	25	20	31	24	19	28	23	18	26	21	17	16		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	16232	16232	16232
5°	16022	15350	15111
10°	15903	14608	14254
15°	15720	13977	13623
20°	15515	13374	12991
25°	15268	12817	12399
30°	14966	12266	11857
35°	14677	11761	11379
40°	14431	11266	10925
45°	14086	10769	10462
50°	13645	10256	10006
55°	13177	9743	9571
60°	12521	9187	9143
65°	11708	8626	8635
70°	10610	7953	8132
75°	8952	7293	7599
80°	6550	6559	7065
85°	3180	5919	6588

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 14086 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.0	2.0
10°-20°	106.1	5.8
20°-30°	166.6	9.2
30°-40°	210.8	11.6
40°-50°	234.4	12.9
50°-60°	233.9	12.9
60°-70°	209.7	11.5
70°-80°	165.2	9.1
80°-90°	116.2	6.4
90°-100°	95.5	5.3
100°-110°	82.4	4.5
110°-120°	63.1	3.5
120°-130°	42.6	2.3
130°-140°	27.0	1.5
140°-150°	16.6	0.9
150°-160°	8.1	0.4
160°-170°	2.2	0.1
170°-180°	0.2	0.0
0°-30°	308.7	17.0
0°-40°	519.5	28.6
0°-60°	987.7	54.4
0°-90°	1478.9	81.4
90°-120°	241.1	13.3
90°-150°	327.3	18.0
90°-180°	338.0	18.6
0°-180°	1816.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	376	376	376	376	376	
5°	372	378	378	379	380	35
15°	358	368	376	384	387	101
25°	331	347	364	376	382	152
35°	292	316	342	359	368	183
45°	247	275	310	334	343	190
55°	192	227	269	298	309	171
65°	131	174	221	255	266	130
75°	67	114	167	203	216	71
85°	11	62	115	152	166	15
90°	0	48	102	139	152	0
95°	0	45	98	134	147	0
105°	0	35	88	122	135	0
115°	0	24	70	104	115	0
125°	0	17	49	78	88	0
135°	0	14	38	55	61	0
145°	0	11	28	41	46	0
155°	1	6	19	28	31	0
165°	1	2	6	11	15	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°	376.4	376.4	376.4	376.4	376.4
2.5°	373.9	378.8	377.2	376.4	375.6
5°	372.3	378.0	378.0	378.8	379.6
7.5°	370.7	376.4	378.0	379.6	382.1
10°	367.5	374.8	378.0	381.2	382.9
12.5°	363.4	372.3	378.0	382.1	384.5
15°	358.5	368.3	376.4	383.7	386.9
17.5°	352.9	364.2	374.8	383.7	386.9
20°	346.4	359.3	371.5	381.2	386.1
22.5°	339.1	353.7	368.3	378.8	383.7
25°	331.0	347.2	364.2	376.4	382.1
27.5°	322.0	339.9	359.3	373.1	378.8
30°	312.3	331.8	353.7	369.1	375.6
32.5°	302.6	323.7	347.2	364.2	371.5
35°	292.0	315.5	341.5	359.3	367.5
37.5°	281.5	306.6	334.2	354.5	361.8
40°	270.9	296.1	326.9	348.0	356.9
42.5°	258.8	286.3	318.8	341.5	350.4
45°	246.6	275.0	309.9	334.2	343.1
47.5°	233.6	264.4	300.9	326.1	335.8
50°	219.8	252.3	290.4	317.2	326.9
52.5°	206.0	240.1	279.9	308.2	318.8
55°	192.2	227.1	269.3	298.5	309.1
57.5°	177.6	215.0	258.0	288.0	300.1
60°	162.2	201.2	245.8	277.4	289.6
62.5°	146.8	187.4	233.6	266.1	278.2
65°	131.4	173.6	221.4	254.7	266.1
67.5°	116.0	159.0	207.7	241.7	254.7
70°	99.8	144.4	193.9	229.6	241.7
72.5°	83.5	129.0	180.1	215.8	228.7
75°	67.3	114.4	167.1	202.8	215.8
77.5°	51.9	99.8	152.5	189.0	202.8
80°	36.5	86.0	139.5	176.0	189.8
82.5°	23.5	73.0	126.5	163.9	176.8
85°	11.4	61.6	115.2	152.5	165.5
87.5°	3.2	52.7	107.1	143.6	157.4
90°	0.0	47.9	102.2	138.7	152.5
92.5°	0.0	46.2	99.8	136.3	150.1
95°	0.0	45.4	98.2	133.8	146.8
97.5°	0.0	43.8	95.7	131.4	144.4
100°	0.0	41.4	93.3	129.0	141.1
102.5°	0.0	38.1	91.7	125.7	138.7
105°	0.0	34.9	87.6	122.5	134.7
107.5°	0.0	30.8	84.4	118.4	131.4
110°	0.0	26.8	79.5	114.4	126.5

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	25.1	74.6	109.5	120.9
115°	0.0	23.5	69.8	103.8	115.2
117.5°	0.0	22.7	64.1	97.3	109.5
120°	0.0	20.3	59.2	90.9	103.0
122.5°	0.0	18.7	53.5	84.4	95.7
125°	0.0	17.0	48.7	77.9	88.4
127.5°	0.0	15.4	46.2	71.4	81.9
130°	0.0	15.4	43.8	64.9	74.6
132.5°	0.0	14.6	41.4	58.4	67.3
135°	0.0	13.8	38.1	55.2	60.8
137.5°	0.0	13.0	35.7	51.9	57.6
140°	0.0	13.0	33.3	48.7	53.5
142.5°	0.0	12.2	30.8	45.4	50.3
145°	0.0	11.4	28.4	41.4	46.2
147.5°	0.0	10.5	26.8	38.1	42.2
150°	0.0	8.9	24.3	34.9	38.9
152.5°	0.0	7.3	21.9	31.6	34.9
155°	0.8	6.5	18.7	27.6	30.8
157.5°	0.8	4.9	15.4	24.3	27.6
160°	0.8	4.1	12.2	20.3	23.5
162.5°	0.8	3.2	8.9	16.2	19.5
165°	0.8	2.4	6.5	11.4	15.4
167.5°	0.8	1.6	4.9	8.1	11.4
170°	0.8	1.6	3.2	4.9	8.1
172.5°	0.8	0.8	1.6	3.2	2.4
175°	0.8	0.8	0.8	1.6	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	16.7	18.1	17.4	18.7	19.5	20.7	22.0	21.3	22.7	23.4
	3H	18.1	19.4	18.7	20.0	20.8	23.4	24.6	24.0	25.3	26.1
	4H	18.5	19.7	19.2	20.4	21.1	24.7	25.9	25.4	26.6	27.3
	6H	18.7	19.8	19.4	20.5	21.3	26.1	27.2	26.8	27.9	28.7
	8H	18.8	19.8	19.4	20.5	21.3	26.8	27.8	27.5	28.5	29.3
	12H	18.8	19.8	19.4	20.5	21.3	27.5	28.6	28.2	29.2	30.1
4H	2H	18.0	19.2	18.6	19.8	20.6	21.0	22.2	21.6	22.8	23.6
	3H	19.6	20.6	20.3	21.3	22.1	23.9	24.9	24.6	25.6	26.4
	4H	20.2	21.1	20.8	21.8	22.6	25.4	26.3	26.1	27.0	27.8
	6H	20.5	21.3	21.2	22.1	22.9	26.9	27.7	27.6	28.5	29.3
	8H	20.6	21.4	21.3	22.1	22.9	27.7	28.5	28.4	29.2	30.1
	12H	20.6	21.3	21.3	22.1	22.9	28.6	29.3	29.3	30.0	30.9
8H	4H	21.1	21.9	21.8	22.6	23.5	25.5	26.3	26.2	27.0	27.9
	6H	21.7	22.3	22.4	23.1	23.9	27.2	27.9	27.9	28.6	29.5
	8H	21.8	22.4	22.6	23.2	24.1	28.1	28.7	28.9	29.5	30.3
	12H	21.9	22.5	22.7	23.2	24.2	29.1	29.7	29.9	30.4	31.4
12H	4H	21.4	22.1	22.1	22.8	23.7	25.5	26.2	26.2	27.0	27.8
	6H	22.1	22.7	22.8	23.4	24.3	27.2	27.8	28.0	28.6	29.5
	8H	22.3	22.9	23.1	23.6	24.5	28.2	28.7	28.9	29.5	30.4



(END OF REPORT)