Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: P1559208

Luminaire Tested: 2NWS3C5-4000-MID

Issue Date: 9/2/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P1559208
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2607-872-5)
Test Lab:	INNOVATION CENTER
Issue Date:	9/2/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	METALUX
Catalog Number:	2NWS3C5-4000-MID
Description:	2FT WRAP Med Lumen 5 CCT SEL NUV 0-10V DIM 4000K
Light Source:	
Ballast/Driver:	-

Summary

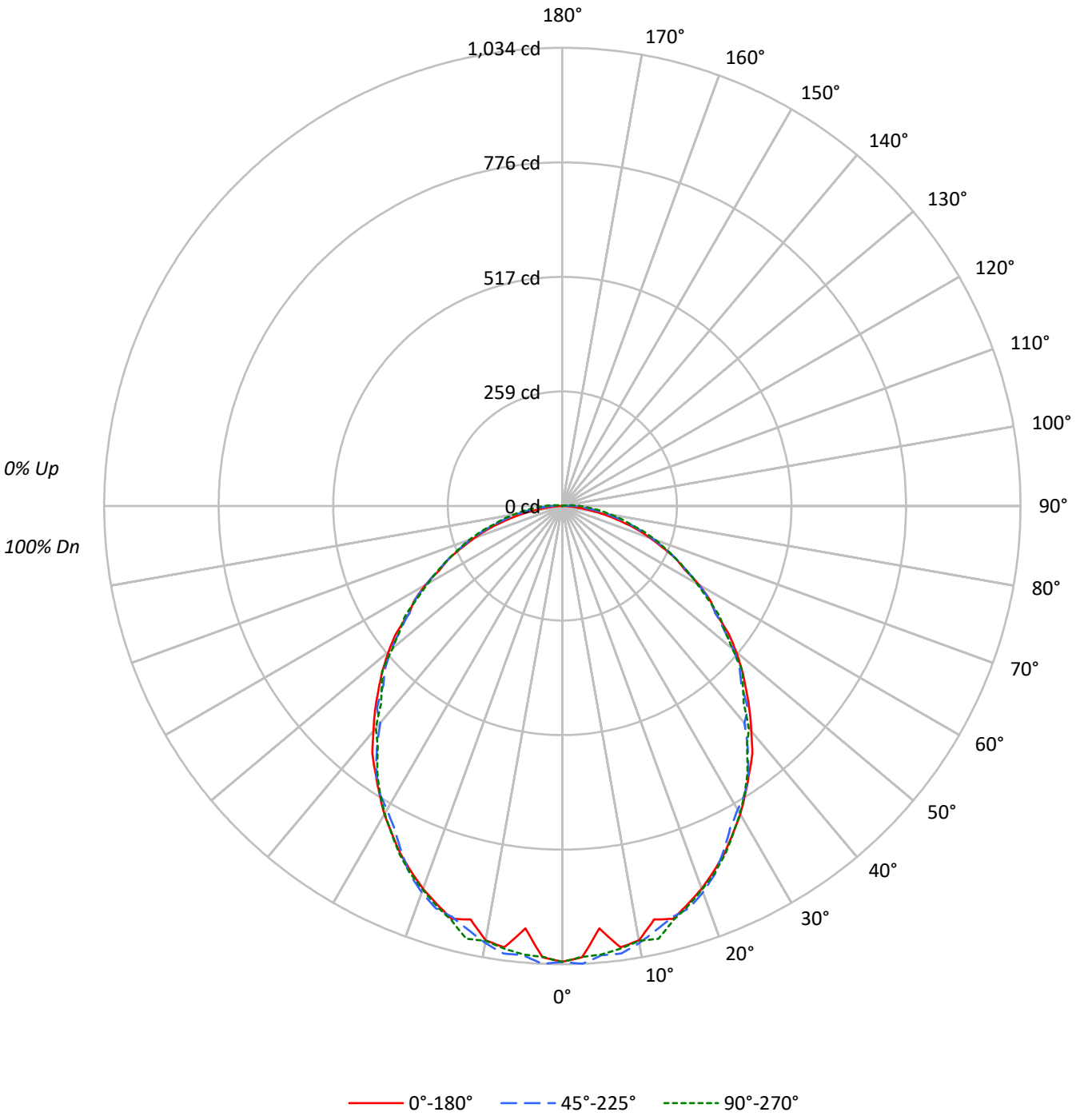
Lumens per Lamp:	N/A
Luminaire Lumens:	2575.3 lumens
Efficiency:	N/A
Efficacy:	143.1 lumens/watt
Spacing Criteria (0/90/45):	1.17 / 1.17 / 1.27
Luminous Opening:	Rectangular (W 0.33' x L: 2' x H: 0')
CIE Type:	Direct
Input Watts (W):	18
Input Voltage (V):	
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	
Total Harmonic Distortion (THDi):	
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			20
RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	100	96	106	102	98	94	97	94	91	93	91	88	90	88	86	84
2	99	91	84	79	97	89	83	78	86	80	76	82	78	74	79	76	72	70
3	91	80	72	66	88	79	71	65	76	69	64	73	67	63	70	66	62	60
4	83	71	63	56	81	70	62	56	68	61	55	65	59	54	63	58	53	51
5	77	64	55	49	75	63	55	48	61	53	48	59	52	47	57	51	47	45
6	71	58	49	43	69	57	49	43	55	48	42	53	47	42	52	46	41	39
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	47	41	37	35
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	33	28	38	32	28	38	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	16777	16777	16777
5°	15661	16659	16630
10°	16481	16582	16496
15°	16283	16211	16341
20°	15948	16097	15993
25°	15562	15470	15625
30°	15124	14898	15090
35°	14640	14572	14502
40°	14119	13608	13936
45°	13536	13179	13278
50°	12996	12800	12691
55°	11979	12002	12320
60°	11641	11586	11446
65°	10925	10960	10925
70°	10023	10390	10638
75°	8866	9843	10057
80°	7251	9345	10312
85°	4978	10123	12837

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
Vertical Angle: 87.5°
Luminance: 19891 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.7	3.8
10°-20°	272.9	10.6
20°-30°	398.8	15.5
30°-40°	457.4	17.8
40°-50°	449.5	17.5
50°-60°	383.7	14.9
60°-70°	279.9	10.9
70°-80°	163.8	6.4
80°-90°	59.7	2.3
90°-100°	11.1	0.4
100°-110°	1.6	0.1
110°-120°	0.1	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	768.4	29.8
0°-40°	1225.9	47.6
0°-60°	2059.1	80.0
0°-90°	2562.5	99.5
90°-120°	12.8	0.5
90°-150°	12.8	0.5
90°-180°	13.0	0.5
0°-180°	2575.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1029	1029	1029	1029	1029	
5°	957	1018	1018	1036	1016	95
15°	964	967	960	979	968	270
25°	865	863	860	873	868	398
35°	735	737	732	733	728	460
45°	587	589	571	581	576	453
55°	421	437	422	423	433	385
65°	283	282	284	277	283	278
75°	141	148	156	160	160	151
85°	27	36	54	67	69	33
90°	1	9	24	35	40	2
95°	0	2	8	15	19	0
105°	0	0	1	3	3	0
115°	1	0	0	0	0	0
125°	0	0	0	0	0	0
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1028.7	1028.7	1028.7	*1028.7*	1028.7
2.5°	*1019.3*	*1020.1*	*1033.9*	*1036.4*	*1018.4*
5°	956.6	1017.6	1017.6	*1036.4*	1015.8
7.5°	1004.7	1008.1	1018.4	*1021.8*	1007.3
10°	995.2	997.8	1001.3	*1006.4*	996.1
12.5°	955.8	1009.0	979.8	*987.5*	1000.4
15°	964.4	966.9	960.1	*978.9*	967.8
17.5°	942.1	935.2	951.5	*956.6*	945.5
20°	918.9	923.2	927.5	*935.2*	921.5
22.5°	892.3	893.2	899.2	*907.7*	896.6
25°	864.8	863.1	859.7	*872.6*	868.3
27.5°	833.1	838.2	820.2	*841.7*	834.0
30°	803.1	807.4	791.1	*805.6*	801.3
32.5°	768.7	773.0	767.9	*767.9*	766.2
35°	735.3	737.0	731.9	*732.7*	728.4
37.5°	704.4	695.8	687.2	*693.2*	683.8
40°	663.2	672.7	639.2	*655.5*	654.6
42.5°	625.5	628.9	619.5	*616.0*	605.7
45°	586.9	589.4	571.4	*580.8*	575.7
47.5°	550.0	561.1	542.2	*537.9*	551.7
50°	512.2	513.1	504.5	*498.5*	500.2
52.5°	472.7	483.0	460.7	*460.7*	461.6
55°	421.3	436.7	422.1	*423.0*	433.3
57.5°	395.5	393.8	393.0	*386.1*	387.8
60°	356.9	361.2	355.2	*350.1*	350.9
62.5°	311.4	319.2	316.6	*314.9*	317.5
65°	283.1	282.3	284.0	*277.1*	283.1
67.5°	245.4	246.2	250.5	*243.7*	251.4
70°	210.2	216.2	217.9	*218.8*	223.1
72.5°	178.5	179.3	186.2	*188.8*	193.0
75°	140.7	148.4	156.2	*160.4*	159.6
77.5°	109.0	116.7	126.1	*133.8*	136.4
80°	77.2	87.5	99.5	*109.0*	109.8
82.5°	51.5	59.2	76.4	*88.4*	90.9
85°	26.6	36.0	54.1	*66.9*	68.6
87.5°	9.4	19.7	37.8	*49.8*	53.2
90°	0.9	9.4	24.0	*35.2*	39.5
92.5°	0.0	3.4	14.6	*24.0*	27.5
95°	0.0	1.7	7.7	*15.4*	18.9
97.5°	0.0	0.9	4.3	*10.3*	12.0
100°	0.0	0.0	2.6	*6.9*	7.7
102.5°	0.0	0.0	1.7	*4.3*	5.1
105°	0.0	0.0	0.9	*2.6*	3.4
107.5°	0.0	0.0	0.9	*1.7*	1.7
110°	0.0	0.0	0.0	*0.9*	0.9

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	0.0	0.0	*0.0*	0.0
115°	0.9	0.0	0.0	*0.0*	0.0
117.5°	0.0	0.0	0.0	*0.0*	0.0
120°	0.0	0.0	0.0	*0.0*	0.0
122.5°	0.0	0.0	0.0	*0.0*	0.0
125°	0.0	0.0	0.0	*0.0*	0.0
127.5°	0.0	0.0	0.0	*0.0*	0.0
130°	0.0	0.0	0.0	*0.0*	0.0
132.5°	0.0	0.0	0.0	*0.0*	0.0
135°	0.0	0.0	0.0	*0.0*	0.0
137.5°	0.0	0.0	0.0	*0.0*	0.0
140°	0.0	0.0	0.0	*0.0*	0.0
142.5°	0.0	0.0	0.0	*0.0*	0.0
145°	0.0	0.0	0.0	*0.0*	0.0
147.5°	0.0	0.0	0.0	*0.0*	0.0
150°	0.0	0.0	0.0	*0.0*	0.0
152.5°	0.0	0.0	0.0	*0.0*	0.0
155°	0.0	0.0	0.0	*0.0*	0.0
157.5°	0.0	0.0	0.0	*0.0*	0.0
160°	0.0	0.0	0.0	*0.0*	0.0
162.5°	0.0	0.0	0.0	*0.0*	0.0
165°	0.0	0.0	0.0	*0.0*	0.0
167.5°	0.0	0.0	0.0	*0.0*	0.0
170°	0.0	0.0	0.0	*0.0*	0.0
172.5°	0.0	0.0	0.0	*0.0*	0.0
175°	0.0	0.0	0.0	*0.0*	0.0
177.5°	0.0	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	20.55	22.14	20.92	22.47	22.80	20.41	22.00	20.78	22.33	22.65
	3H	22.21	23.65	22.59	23.98	24.36	22.18	23.62	22.56	23.95	24.33
	4H	22.80	24.16	23.21	24.52	24.90	22.90	24.26	23.31	24.61	25.00
	6H	23.20	24.45	23.62	24.83	25.23	23.53	24.79	23.95	25.16	25.57
	8H	23.30	24.50	23.74	24.90	25.31	23.81	25.01	24.24	25.41	25.82
	12H	23.35	24.50	23.79	24.89	25.34	24.08	25.23	24.51	25.62	26.06
4H	2H	21.14	22.49	21.54	22.85	23.24	21.03	22.38	21.43	22.74	23.13
	3H	23.03	24.17	23.45	24.57	24.99	23.02	24.16	23.44	24.57	24.98
	4H	23.76	24.79	24.20	25.21	25.66	23.89	24.92	24.33	25.34	25.79
	6H	24.28	25.18	24.74	25.63	26.10	24.67	25.57	25.14	26.02	26.49
	8H	24.43	25.27	24.89	25.72	26.20	25.03	25.87	25.50	26.32	26.80
	12H	24.51	25.27	25.00	25.75	26.24	25.38	26.13	25.86	26.62	27.10
8H	4H	24.09	24.93	24.55	25.38	25.86	24.21	25.05	24.67	25.50	25.98
	6H	24.74	25.44	25.24	25.94	26.42	25.14	25.85	25.65	26.34	26.83
	8H	24.96	25.59	25.47	26.10	26.60	25.61	26.24	26.13	26.76	27.26
	12H	25.11	25.66	25.62	26.16	26.74	26.11	26.67	26.62	27.16	27.74
12H	4H	24.14	24.89	24.62	25.38	25.86	24.24	24.99	24.72	25.48	25.96
	6H	24.83	25.46	25.34	25.97	26.47	25.21	25.84	25.72	26.35	26.85
	8H	25.11	25.67	25.63	26.17	26.74	25.75	26.31	26.27	26.81	27.38

END OF REPORT