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: P1559207

Luminaire Tested: 2NWS3C5-3500-MID

Issue Date: 9/2/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P1559207
	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:	2NWS3C5-3500-MID
Description:	2FT WRAP Med Lumen 5 CCT SEL NUV 0-10V DIM 3500K
Light Source:	
Ballast/Driver:	-

Summary

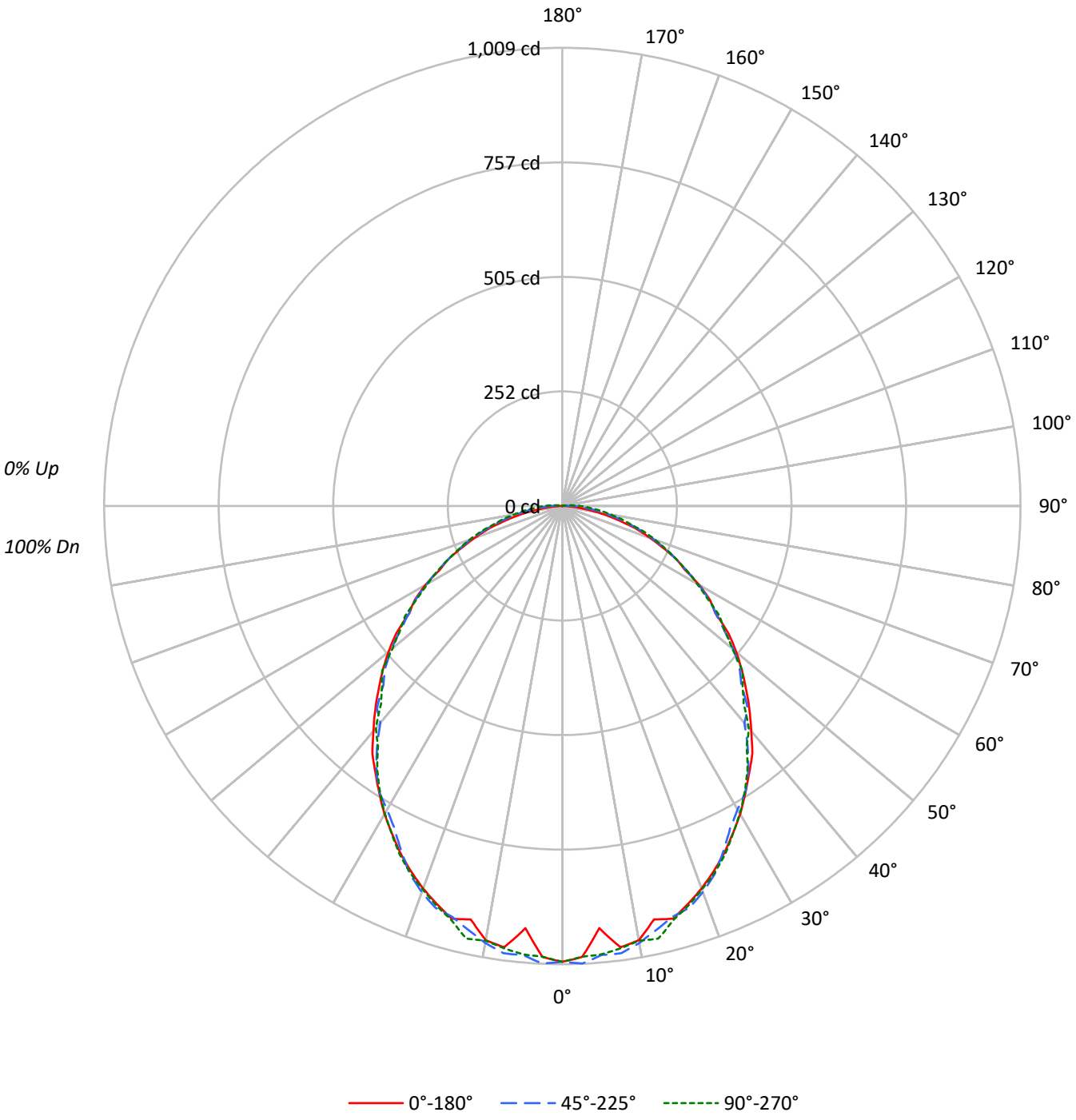
Lumens per Lamp:	N/A
Luminaire Lumens:	2512.3 lumens
Efficiency:	N/A
Efficacy:	139.6 lumens/watt
Spacing Criteria (0/90/45):	1.17 / 1.17 / 1.27
Luminous Opening:	Rectangular (W 0.33' x L: 2' x H: 0')
CIE Type:	Direct
Input Watts (W):	18
Input Voltage (V):	
Input Current (Ain):	NR
Voltage Rise (V):	NR
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°	16368	16368	16368
5°	15279	16252	16224
10°	16079	16176	16094
15°	15885	15814	15940
20°	15558	15703	15601
25°	15182	15092	15244
30°	14753	14533	14723
35°	14281	14215	14148
40°	13775	13276	13596
45°	13204	12856	12953
50°	12679	12488	12382
55°	11686	11709	12019
60°	11358	11302	11165
65°	10659	10690	10659
70°	9780	10138	10376
75°	8652	9597	9811
80°	7072	9120	10059
85°	4847	9861	12537

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
Vertical Angle: 87.5°
Luminance: 19405 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.3	3.8
10°-20°	266.2	10.6
20°-30°	389.1	15.5
30°-40°	446.2	17.8
40°-50°	438.5	17.5
50°-60°	374.3	14.9
60°-70°	273.0	10.9
70°-80°	159.8	6.4
80°-90°	58.3	2.3
90°-100°	10.8	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°	749.7	29.8
0°-40°	1195.9	47.6
0°-60°	2008.8	80.0
0°-90°	2499.8	99.5
90°-120°	12.5	0.5
90°-150°	12.5	0.5
90°-180°	12.0	0.5
0°-180°	2512.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1004	1004	1004	1004	1004	
5°	933	993	993	1011	991	92
15°	941	943	937	955	944	263
25°	844	842	839	851	847	388
35°	717	719	714	715	711	449
45°	572	575	557	567	562	442
55°	411	426	412	413	423	376
65°	276	275	277	270	276	271
75°	137	145	152	156	156	147
85°	26	35	53	65	67	32
90°	1	9	23	34	38	1
95°	0	2	8	15	18	0
105°	0	0	1	2	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°	1003.6	1003.6	1003.6	*1003.6*	1003.6
2.5°	*994.4*	*995.2*	*1008.6*	*1011.1*	*993.5*
5°	933.3	992.7	992.7	*1011.1*	991.0
7.5°	980.1	983.5	993.5	*996.9*	982.6
10°	970.9	973.4	976.8	*981.8*	971.8
12.5°	932.4	984.3	955.9	*963.4*	976.0
15°	940.8	943.3	936.6	*955.0*	944.1
17.5°	919.0	912.3	928.2	*933.3*	922.4
20°	896.4	900.6	904.8	*912.3*	898.9
22.5°	870.5	871.3	877.2	*885.6*	874.7
25°	843.7	842.0	838.7	*851.2*	847.1
27.5°	812.7	817.8	800.2	*821.1*	813.6
30°	783.4	787.6	771.7	*785.9*	781.8
32.5°	750.0	754.1	749.1	*749.1*	747.4
35°	717.3	719.0	714.0	*714.8*	710.6
37.5°	687.2	678.8	670.4	*676.3*	667.1
40°	647.0	656.2	623.6	*639.5*	638.6
42.5°	610.2	613.5	604.3	*601.0*	590.9
45°	572.5	575.0	557.4	*566.7*	561.6
47.5°	536.5	547.4	529.0	*524.8*	538.2
50°	499.7	500.5	492.2	*486.3*	488.0
52.5°	461.2	471.2	449.5	*449.5*	450.3
55°	411.0	426.0	411.8	*412.6*	422.7
57.5°	385.9	384.2	383.3	*376.7*	378.3
60°	348.2	352.4	346.5	*341.5*	342.3
62.5°	303.8	311.4	308.9	*307.2*	309.7
65°	276.2	275.4	277.0	*270.4*	276.2
67.5°	239.4	240.2	244.4	*237.7*	245.2
70°	205.1	210.9	212.6	*213.4*	217.6
72.5°	174.1	174.9	181.6	*184.1*	188.3
75°	137.3	144.8	152.3	*156.5*	155.7
77.5°	106.3	113.8	123.0	*130.6*	133.1
80°	75.3	85.4	97.1	*106.3*	107.1
82.5°	50.2	57.8	74.5	*86.2*	88.7
85°	25.9	35.2	52.7	*65.3*	67.0
87.5°	9.2	19.3	36.8	*48.5*	51.9
90°	0.8	9.2	23.4	*34.3*	38.5
92.5°	0.0	3.3	14.2	*23.4*	26.8
95°	0.0	1.7	7.5	*15.1*	18.4
97.5°	0.0	0.8	4.2	*10.0*	11.7
100°	0.0	0.0	2.5	*6.7*	7.5
102.5°	0.0	0.0	1.7	*4.2*	5.0
105°	0.0	0.0	0.8	*2.5*	3.3
107.5°	0.0	0.0	0.8	*1.7*	1.7
110°	0.0	0.0	0.0	*0.8*	0.8

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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°	0.8	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	20.47	22.06	20.84	22.38	22.71	20.33	21.92	20.70	22.24	22.57
	3H	22.12	23.56	22.51	23.90	24.27	22.09	23.53	22.48	23.87	24.24
	4H	22.72	24.07	23.12	24.43	24.82	22.82	24.17	23.22	24.53	24.92
	6H	23.11	24.37	23.53	24.74	25.15	23.45	24.70	23.87	25.08	25.48
	8H	23.22	24.42	23.65	24.81	25.23	23.72	24.92	24.16	25.32	25.73
	12H	23.27	24.42	23.71	24.81	25.25	23.99	25.14	24.43	25.53	25.97
4H	2H	21.05	22.41	21.46	22.76	23.15	20.94	22.29	21.35	22.65	23.04
	3H	22.94	24.08	23.36	24.49	24.90	22.94	24.07	23.36	24.48	24.89
	4H	23.67	24.70	24.11	25.12	25.57	23.80	24.83	24.24	25.26	25.70
	6H	24.19	25.09	24.66	25.54	26.01	24.59	25.49	25.05	25.94	26.41
	8H	24.34	25.18	24.81	25.63	26.11	24.94	25.78	25.41	26.23	26.71
	12H	24.43	25.18	24.92	25.67	26.15	25.29	26.05	25.78	26.53	27.01
8H	4H	24.00	24.84	24.47	25.29	25.77	24.12	24.96	24.59	25.41	25.89
	6H	24.65	25.35	25.15	25.85	26.34	25.06	25.76	25.56	26.26	26.74
	8H	24.87	25.50	25.39	26.02	26.51	25.53	26.16	26.04	26.67	27.17
	12H	25.02	25.58	25.53	26.08	26.65	26.02	26.58	26.54	27.08	27.65
12H	4H	24.05	24.81	24.54	25.29	25.77	24.15	24.91	24.64	25.39	25.87
	6H	24.74	25.37	25.26	25.89	26.39	25.12	25.75	25.64	26.27	26.77
	8H	25.03	25.59	25.54	26.08	26.66	25.67	26.22	26.18	26.72	27.30

END OF REPORT