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: P1559204

Luminaire Tested: 2NWS3C5-4500-LOW

Issue Date: 9/2/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P1559204
	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:	2NWS3C5-4500-LOW
Description:	2FT WRAP Lo Lumen 5 CCT SEL NUV 0-10V DIM 4500K
Light Source:	
Ballast/Driver:	-

Summary

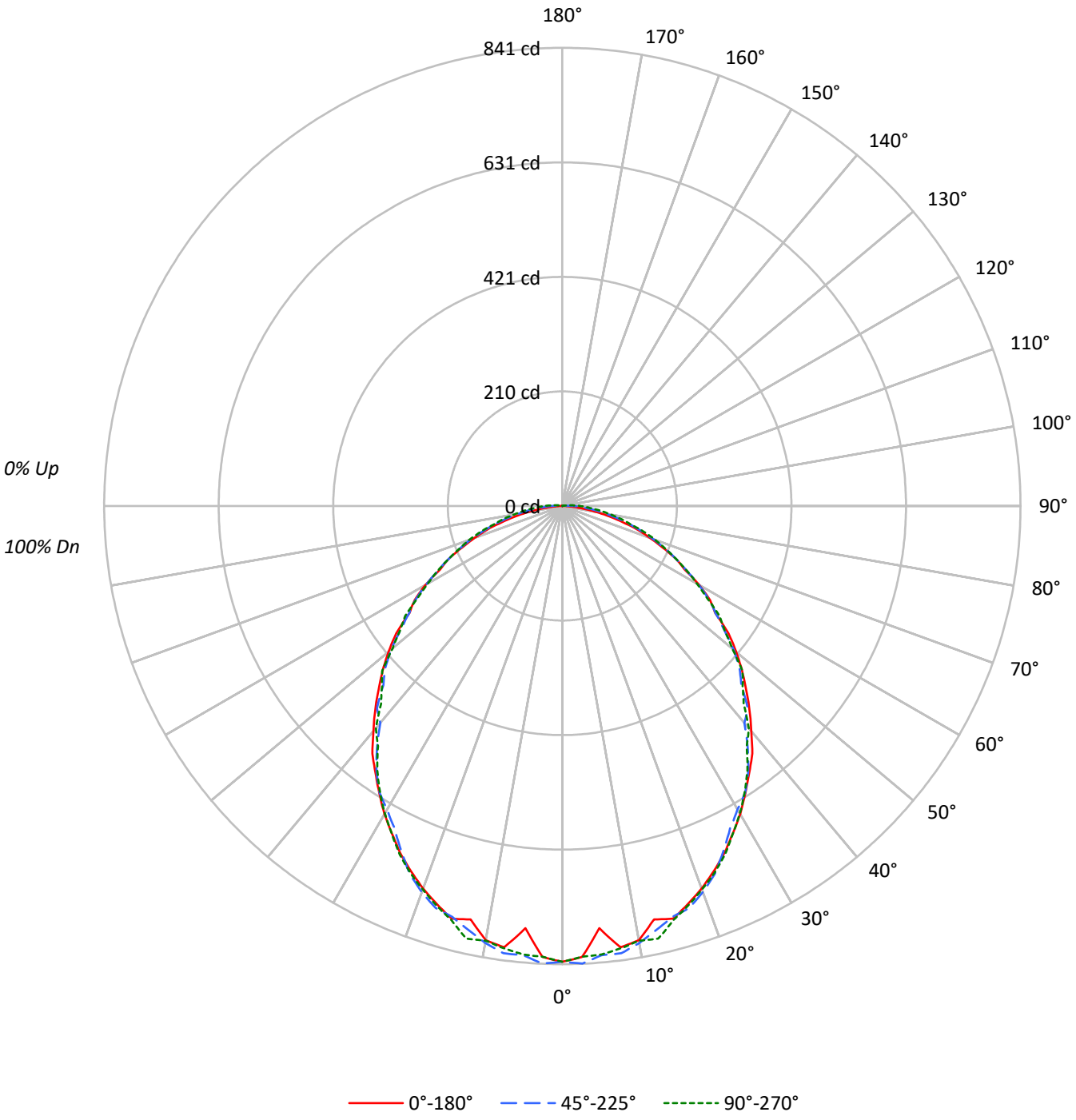
Lumens per Lamp:	N/A
Luminaire Lumens:	2094.2 lumens
Efficiency:	N/A
Efficacy:	144.4 lumens/watt
Spacing Criteria (0/90/45):	1.17 / 1.17 / 1.27
Luminous Opening:	Rectangular (W 0.33' x L: 2' x H: 0')
CIE Type:	Direct
Input Watts (W):	14.5
Input Voltage (V):	
Input Current (Ain):	NR
Voltage Rise (V):	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°	13642	13642	13642
5°	12735	13547	13524
10°	13402	13484	13414
15°	13241	13182	13288
20°	12968	13090	13005
25°	12656	12580	12706
30°	12297	12115	12271
35°	11904	11848	11792
40°	11482	11066	11333
45°	11006	10718	10796
50°	10568	10408	10319
55°	9741	9761	10017
60°	9466	9420	9309
65°	8883	8910	8883
70°	8149	8450	8650
75°	7209	8003	8179
80°	5898	7598	8387
85°	4042	8233	10442

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
Vertical Angle: 87.5°
Luminance: 16190 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.6	3.8
10°-20°	221.9	10.6
20°-30°	324.3	15.5
30°-40°	371.9	17.8
40°-50°	365.5	17.5
50°-60°	312.0	14.9
60°-70°	227.6	10.9
70°-80°	133.2	6.4
80°-90°	48.6	2.3
90°-100°	9.0	0.4
100°-110°	1.3	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°	624.9	29.8
0°-40°	996.8	47.6
0°-60°	1674.4	80.0
0°-90°	2083.7	99.5
90°-120°	10.4	0.5
90°-150°	10.4	0.5
90°-180°	10.0	0.5
0°-180°	2094.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	836	836	836	836	836	
5°	778	828	828	843	826	77
15°	784	786	781	796	787	219
25°	703	702	699	710	706	323
35°	598	599	595	596	592	374
45°	477	479	465	472	468	369
55°	343	355	343	344	352	313
65°	230	230	231	225	230	226
75°	114	121	127	130	130	123
85°	22	29	44	54	56	27
90°	1	8	20	29	32	1
95°	0	1	6	13	15	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°	836.5	836.5	836.5	*836.5*	836.5
2.5°	*828.8*	*829.5*	*840.7*	*842.8*	*828.1*
5°	777.9	827.5	827.5	*842.8*	826.1
7.5°	817.0	819.8	828.1	*830.9*	819.1
10°	809.3	811.4	814.2	*818.4*	810.0
12.5°	777.2	820.5	796.8	*803.0*	813.5
15°	784.2	786.3	780.7	*796.1*	787.0
17.5°	766.1	760.5	773.7	*777.9*	768.8
20°	747.2	750.7	754.2	*760.5*	749.3
22.5°	725.6	726.3	731.2	*738.1*	729.1
25°	703.3	701.9	699.1	*709.5*	706.1
27.5°	677.4	681.6	667.0	*684.4*	678.1
30°	653.0	656.5	643.3	*655.1*	651.6
32.5°	625.1	628.6	624.4	*624.4*	623.0
35°	597.9	599.3	595.1	*595.8*	592.3
37.5°	572.8	565.8	558.8	*563.7*	556.1
40°	539.3	547.0	519.8	*533.0*	532.3
42.5°	508.6	511.4	503.7	*500.9*	492.6
45°	477.2	479.3	464.7	*472.3*	468.1
47.5°	447.2	456.3	440.9	*437.4*	448.6
50°	416.5	417.2	410.2	*405.4*	406.7
52.5°	384.4	392.8	374.7	*374.7*	375.4
55°	342.6	355.1	343.3	*344.0*	352.3
57.5°	321.6	320.2	319.5	*314.0*	315.4
60°	290.2	293.7	288.8	*284.7*	285.4
62.5°	253.3	259.5	257.4	*256.0*	258.1
65°	230.2	229.5	230.9	*225.4*	230.2
67.5°	199.5	200.2	203.7	*198.1*	204.4
70°	170.9	175.8	177.2	*177.9*	181.4
72.5°	145.1	145.8	151.4	*153.5*	157.0
75°	114.4	120.7	127.0	*130.5*	129.8
77.5°	88.6	94.9	102.6	*108.8*	110.9
80°	62.8	71.2	80.9	*88.6*	89.3
82.5°	41.9	48.1	62.1	*71.9*	74.0
85°	21.6	29.3	44.0	*54.4*	55.8
87.5°	7.7	16.0	30.7	*40.5*	43.3
90°	0.7	7.7	19.5	*28.6*	32.1
92.5°	0.0	2.8	11.9	*19.5*	22.3
95°	0.0	1.4	6.3	*12.6*	15.3
97.5°	0.0	0.7	3.5	*8.4*	9.8
100°	0.0	0.0	2.1	*5.6*	6.3
102.5°	0.0	0.0	1.4	*3.5*	4.2
105°	0.0	0.0	0.7	*2.1*	2.8
107.5°	0.0	0.0	0.7	*1.4*	1.4
110°	0.0	0.0	0.0	*0.7*	0.7

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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°	0.7	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	19.83	21.42	20.21	21.75	22.08	19.69	21.28	20.07	21.61	21.94
	3H	21.49	22.93	21.87	23.26	23.64	21.46	22.90	21.84	23.24	23.61
	4H	22.08	23.44	22.49	23.80	24.19	22.18	23.54	22.59	23.90	24.28
	6H	22.48	23.73	22.90	24.11	24.51	22.81	24.07	23.23	24.44	24.85
	8H	22.58	23.78	23.02	24.18	24.59	23.09	24.29	23.53	24.69	25.10
	12H	22.64	23.78	23.07	24.18	24.62	23.36	24.51	23.80	24.90	25.34
4H	2H	20.42	21.77	20.82	22.13	22.52	20.31	21.66	20.71	22.02	22.41
	3H	22.31	23.45	22.73	23.85	24.27	22.31	23.44	22.72	23.85	24.26
	4H	23.04	24.07	23.48	24.49	24.94	23.17	24.20	23.61	24.62	25.07
	6H	23.56	24.46	24.02	24.91	25.38	23.96	24.85	24.42	25.31	25.77
	8H	23.71	24.55	24.18	25.00	25.48	24.31	25.15	24.78	25.60	26.08
	12H	23.79	24.55	24.28	25.04	25.52	24.66	25.42	25.15	25.90	26.38
8H	4H	23.37	24.21	23.84	24.66	25.14	23.49	24.33	23.96	24.78	25.26
	6H	24.02	24.72	24.52	25.22	25.71	24.43	25.13	24.93	25.63	26.11
	8H	24.24	24.87	24.75	25.38	25.88	24.90	25.53	25.41	26.04	26.54
	12H	24.39	24.95	24.90	25.45	26.02	25.39	25.95	25.90	26.45	27.02
12H	4H	23.42	24.17	23.91	24.66	25.14	23.52	24.28	24.01	24.76	25.24
	6H	24.11	24.74	24.63	25.26	25.75	24.49	25.12	25.01	25.64	26.13
	8H	24.39	24.95	24.91	25.45	26.02	25.03	25.59	25.55	26.09	26.66

END OF REPORT