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: P1559202

Luminaire Tested: 2NWS3C5-3500-LOW

Issue Date: 9/2/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P1559202
	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-LOW
Description:	2FT WRAP Lo Lumen 5 CCT SEL NUV 0-10V DIM 3500K
Light Source:	
Ballast/Driver:	-

Summary

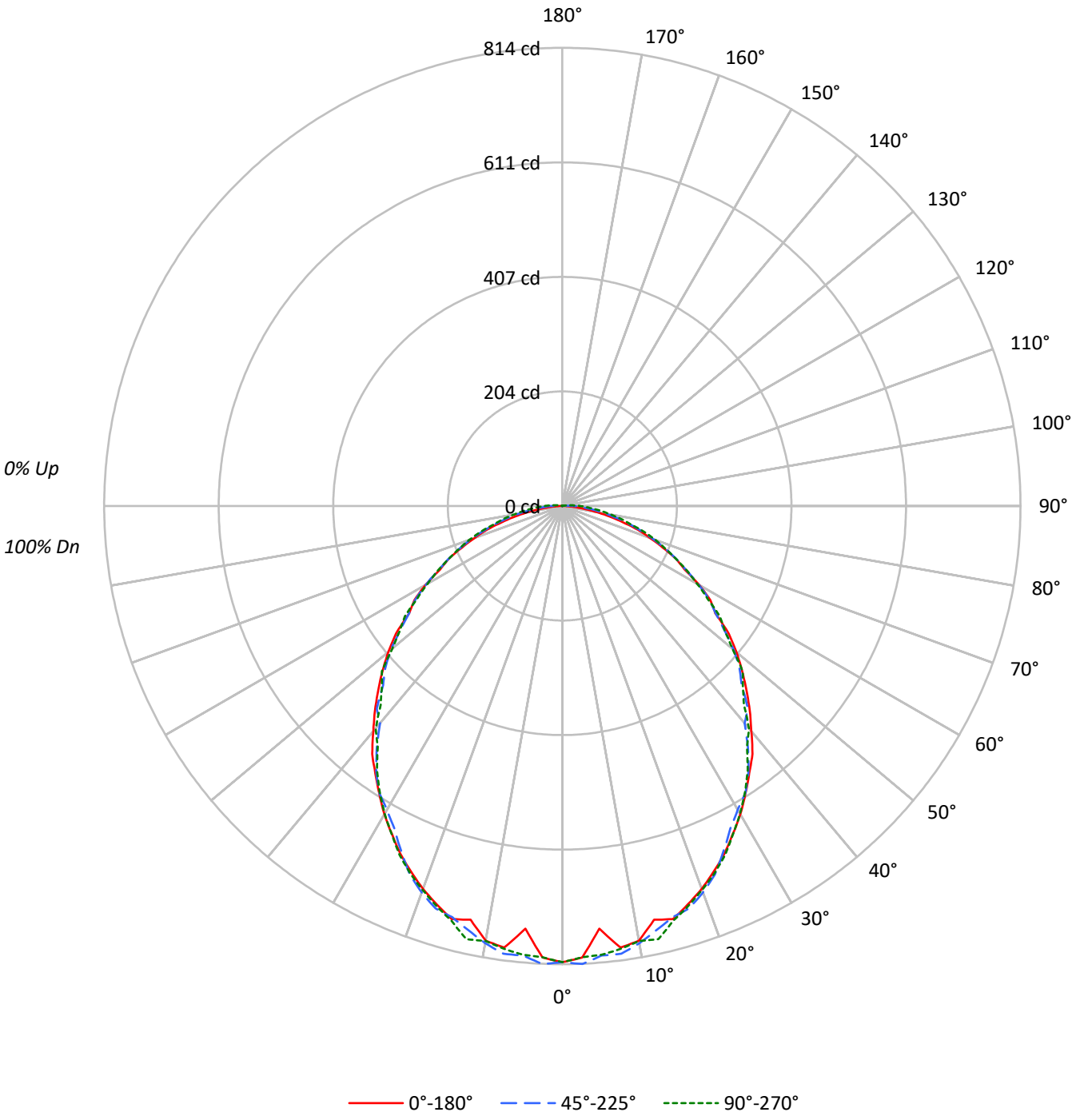
Lumens per Lamp:	N/A
Luminaire Lumens:	2028.7 lumens
Efficiency:	N/A
Efficacy:	140.9 lumens/watt
Spacing Criteria (0/90/45):	1.17 / 1.17 / 1.27
Luminous Opening:	Rectangular (W 0.33' x L: 2' x H: 0')
CIE Type:	Direct
Input Watts (W):	14.4
Input Voltage (V):	
Input Current (Ain):	NR
Voltage Rise (V):	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°	13217	13217	13217
5°	12337	13123	13100
10°	12983	13061	12995
15°	12827	12770	12873
20°	12564	12680	12598
25°	12260	12186	12309
30°	11913	11734	11889
35°	11532	11478	11424
40°	11122	10719	10979
45°	10663	10381	10460
50°	10238	10083	9997
55°	9434	9454	9704
60°	9172	9126	9016
65°	8606	8633	8606
70°	7897	8187	8378
75°	6982	7751	7921
80°	5710	7363	8124
85°	3930	7971	10123

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
Vertical Angle: 87.5°
Luminance: 15666 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.2	3.8
10°-20°	215.0	10.6
20°-30°	314.2	15.5
30°-40°	360.3	17.8
40°-50°	354.1	17.5
50°-60°	302.3	14.9
60°-70°	220.5	10.9
70°-80°	129.0	6.4
80°-90°	47.0	2.3
90°-100°	8.8	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°	605.3	29.8
0°-40°	965.7	47.6
0°-60°	1622.0	80.0
0°-90°	2018.6	99.5
90°-120°	10.1	0.5
90°-150°	10.1	0.5
90°-180°	10.0	0.5
0°-180°	2028.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	810	810	810	810	810	
5°	754	802	802	816	800	75
15°	760	762	756	771	762	213
25°	681	680	677	687	684	313
35°	579	581	576	577	574	363
45°	462	464	450	458	454	357
55°	332	344	332	333	341	304
65°	223	222	224	218	223	219
75°	111	117	123	126	126	119
85°	21	28	43	53	54	26
90°	1	7	19	28	31	1
95°	0	1	6	12	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°	810.4	810.4	810.4	*810.4*	810.4
2.5°	*802.9*	*803.6*	*814.4*	*816.4*	*802.3*
5°	753.6	801.6	801.6	*816.4*	800.2
7.5°	791.4	794.1	802.3	*805.0*	793.5
10°	784.0	786.0	788.7	*792.8*	784.7
12.5°	752.9	794.8	771.8	*777.9*	788.1
15°	759.7	761.7	756.3	*771.2*	762.4
17.5°	742.1	736.7	749.5	*753.6*	744.8
20°	723.9	727.2	730.6	*736.7*	725.9
22.5°	702.9	703.6	708.3	*715.1*	706.3
25°	681.3	679.9	677.2	*687.4*	684.0
27.5°	656.3	660.3	646.1	*663.0*	656.9
30°	632.6	636.0	623.1	*634.6*	631.3
32.5°	605.6	609.0	604.9	*604.9*	603.5
35°	579.2	580.6	576.5	*577.2*	573.8
37.5°	554.9	548.1	541.4	*546.1*	538.7
40°	522.4	529.9	503.5	*516.4*	515.7
42.5°	492.7	495.4	488.0	*485.3*	477.2
45°	462.3	464.3	450.1	*457.6*	453.5
47.5°	433.2	442.0	427.1	*423.8*	434.6
50°	403.5	404.2	397.4	*392.7*	394.0
52.5°	372.4	380.5	362.9	*362.9*	363.6
55°	331.8	344.0	332.5	*333.2*	341.3
57.5°	311.6	310.2	309.5	*304.1*	305.5
60°	281.2	284.5	279.8	*275.8*	276.4
62.5°	245.3	251.4	249.4	*248.0*	250.1
65°	223.0	222.4	223.7	*218.3*	223.0
67.5°	193.3	194.0	197.4	*191.9*	198.0
70°	165.6	170.3	171.7	*172.3*	175.7
72.5°	140.6	141.3	146.7	*148.7*	152.1
75°	110.8	116.9	123.0	*126.4*	125.7
77.5°	85.8	91.9	99.4	*105.4*	107.5
80°	60.8	68.9	78.4	*85.8*	86.5
82.5°	40.6	46.6	60.2	*69.6*	71.6
85°	21.0	28.4	42.6	*52.7*	54.1
87.5°	7.4	15.5	29.7	*39.2*	41.9
90°	0.7	7.4	18.9	*27.7*	31.1
92.5°	0.0	2.7	11.5	*18.9*	21.6
95°	0.0	1.4	6.1	*12.2*	14.9
97.5°	0.0	0.7	3.4	*8.1*	9.5
100°	0.0	0.0	2.0	*5.4*	6.1
102.5°	0.0	0.0	1.4	*3.4*	4.1
105°	0.0	0.0	0.7	*2.0*	2.7
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	19.72	21.31	20.10	21.64	21.97	19.58	21.17	19.95	21.50	21.82
	3H	21.38	22.82	21.76	23.16	23.53	21.35	22.79	21.73	23.12	23.50
	4H	21.97	23.33	22.38	23.69	24.08	22.07	23.43	22.48	23.78	24.17
	6H	22.37	23.62	22.79	24.00	24.40	22.70	23.96	23.12	24.33	24.74
	8H	22.47	23.67	22.91	24.07	24.48	22.98	24.18	23.41	24.58	24.99
	12H	22.53	23.67	22.96	24.07	24.51	23.25	24.40	23.69	24.79	25.23
4H	2H	20.31	21.66	20.72	22.02	22.41	20.20	21.55	20.60	21.91	22.30
	3H	22.20	23.34	22.62	23.75	24.16	22.19	23.33	22.61	23.74	24.15
	4H	22.93	23.96	23.37	24.38	24.83	23.06	24.09	23.50	24.51	24.96
	6H	23.45	24.35	23.91	24.80	25.27	23.84	24.74	24.31	25.19	25.66
	8H	23.60	24.44	24.07	24.89	25.37	24.20	25.04	24.67	25.49	25.97
	12H	23.68	24.44	24.17	24.93	25.41	24.55	25.30	25.03	25.79	26.27
8H	4H	23.26	24.10	23.73	24.55	25.03	23.38	24.22	23.85	24.67	25.15
	6H	23.91	24.61	24.41	25.11	25.60	24.31	25.02	24.82	25.51	26.00
	8H	24.13	24.76	24.64	25.27	25.77	24.78	25.41	25.30	25.93	26.43
	12H	24.28	24.84	24.79	25.34	25.91	25.28	25.84	25.79	26.34	26.91
12H	4H	23.31	24.06	23.80	24.55	25.03	23.41	24.16	23.90	24.65	25.13
	6H	24.00	24.63	24.51	25.14	25.64	24.38	25.01	24.90	25.53	26.02
	8H	24.28	24.84	24.80	25.34	25.91	24.92	25.48	25.44	25.98	26.55

END OF REPORT