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: P1559218

Luminaire Tested: 4NWS3C5-4000-LOW

Issue Date: 9/2/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P1559218
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2607-872-8)
Test Lab:	INNOVATION CENTER
Issue Date:	9/2/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	METALUX
Catalog Number:	4NWS3C5-4000-LOW
Description:	4ft WRAP Lo Lumen 5 CCT SEL NUV 0-10V DIM 4000K
Light Source:	
Ballast/Driver:	-

Summary

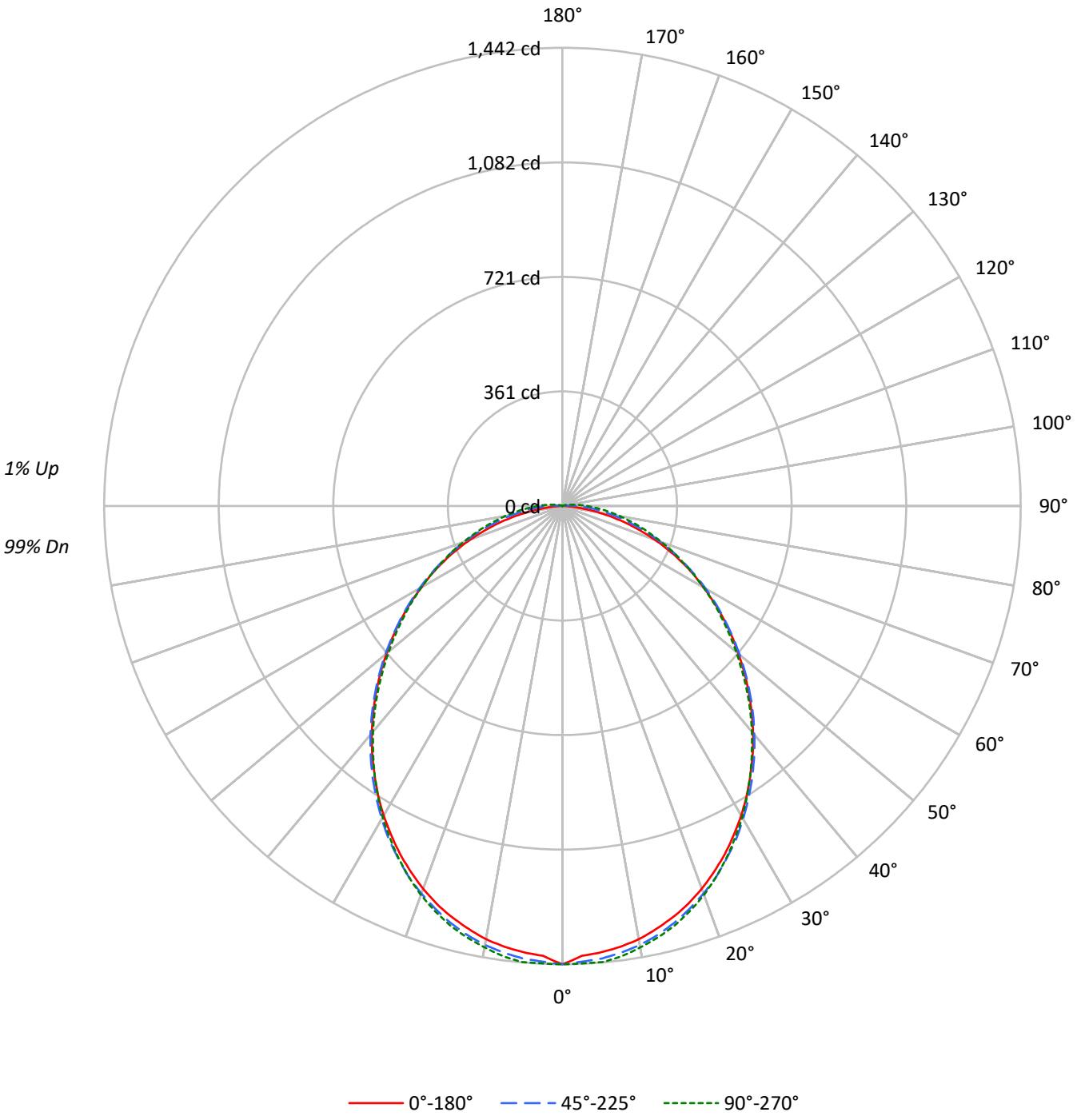
Lumens per Lamp:	N/A
Luminaire Lumens:	3743.6 lumens
Efficiency:	N/A
Efficacy:	139.2 lumens/watt
Spacing Criteria (0/90/45):	1.17 / 1.17 / 1.29
Luminous Opening:	Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type:	Direct
Input Watts (W):	26.9
Input Voltage (V):	
Input Current (Ain):	NR
Voltage Rise (V):	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	101	101	101	99
1	108	104	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	83
2	99	90	84	78	96	89	82	77	85	80	75	81	77	73	78	75	71	69
3	90	80	72	65	88	78	71	64	75	69	63	72	67	62	69	65	61	59
4	83	71	62	55	80	69	61	55	67	60	54	64	58	53	62	57	52	50
5	76	63	55	48	74	62	54	48	60	53	47	58	52	46	56	50	46	44
6	70	57	48	42	69	56	48	42	54	47	41	53	46	41	51	45	41	38
7	65	52	43	37	64	51	43	37	50	42	37	48	41	36	47	41	36	34
8	61	48	39	33	59	47	39	33	45	38	33	44	38	33	43	37	32	31
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28
10	54	40	33	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	11762	11762	11762
5°	11541	11701	11795
10°	11464	11614	11680
15°	11316	11469	11535
20°	11123	11261	11305
25°	10875	11005	10992
30°	10590	10706	10651
35°	10266	10368	10259
40°	9931	10000	9869
45°	9565	9624	9464
50°	9172	9228	9044
55°	8797	8849	8674
60°	8368	8487	8357
65°	7932	8114	8071
70°	7351	7782	7904
75°	6544	7432	7936
80°	5302	7377	8565
85°	3452	8870	11583

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
Vertical Angle: 87.5°
Luminance: 18396 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.0	3.6
10°-20°	384.1	10.3
20°-30°	564.7	15.1
30°-40°	652.5	17.4
40°-50°	644.8	17.2
50°-60°	558.0	14.9
60°-70°	417.7	11.2
70°-80°	250.1	6.7
80°-90°	101.1	2.7
90°-100°	26.2	0.7
100°-110°	6.6	0.2
110°-120°	1.7	0.0
120°-130°	0.1	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°	1084.8	29.0
0°-40°	1737.3	46.4
0°-60°	2940.1	78.5
0°-90°	3709.0	99.1
90°-120°	34.5	0.9
90°-150°	34.6	0.9
90°-180°	35.0	0.9
0°-180°	3743.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1442	1442	1442	1442	1442	
5°	1410	1456	1429	1426	1441	134
15°	1340	1384	1358	1359	1366	378
25°	1209	1248	1223	1221	1222	556
35°	1031	1064	1042	1039	1031	645
45°	829	853	834	830	821	639
55°	619	637	622	620	610	553
65°	411	423	420	426	418	407
75°	208	222	236	253	252	220
85°	37	61	95	120	124	46
90°	0	18	48	72	77	2
95°	1	4	21	40	44	0
105°	1	1	5	11	13	1
115°	1	1	1	2	3	1
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°	1442.4	1442.4	1442.4	1442.4	1442.4
2.5°	1417.1	1462.0	1435.2	1432.3	1441.0
5°	1409.9	1456.2	1429.4	1425.8	1441.0
7.5°	1399.0	1445.3	1417.8	1414.2	1429.4
10°	1384.5	1429.4	1402.6	1399.7	1410.6
12.5°	1363.5	1409.9	1383.1	1380.2	1390.3
15°	1340.4	1383.8	1358.5	1359.2	1366.4
17.5°	1313.6	1354.9	1329.5	1330.2	1336.0
20°	1281.8	1323.0	1297.7	1296.2	1302.7
22.5°	1246.3	1287.5	1263.7	1259.3	1263.7
25°	1208.7	1248.5	1223.1	1221.0	1221.7
27.5°	1167.4	1205.8	1182.6	1179.0	1176.8
30°	1124.7	1160.9	1137.0	1133.4	1131.2
32.5°	1079.8	1113.1	1090.0	1086.3	1081.3
35°	1031.3	1063.9	1041.5	1038.6	1030.6
37.5°	983.6	1012.5	990.8	988.6	978.5
40°	932.9	960.4	939.4	935.8	927.1
42.5°	880.8	907.6	887.3	883.0	874.3
45°	829.4	853.3	834.5	830.1	820.7
47.5°	775.9	799.0	781.6	777.3	765.7
50°	723.0	746.2	727.4	723.7	712.9
52.5°	671.6	691.2	674.5	671.6	661.5
55°	618.8	636.9	622.4	620.2	610.1
57.5°	566.0	581.9	571.0	570.3	561.6
60°	513.1	529.1	520.4	520.4	512.4
62.5°	463.9	476.2	469.7	473.3	464.6
65°	411.1	422.7	420.5	425.6	418.3
67.5°	359.7	372.0	372.7	381.4	374.9
70°	308.3	320.6	326.4	335.8	331.5
72.5°	256.9	270.0	280.8	293.8	290.2
75°	207.7	221.5	235.9	253.3	251.9
77.5°	157.8	175.1	195.4	215.7	215.7
80°	112.9	132.4	157.1	180.9	182.4
82.5°	71.7	93.4	123.8	149.1	151.3
85°	36.9	60.8	94.8	120.1	123.8
87.5°	11.6	35.5	68.8	94.1	98.4
90°	0.0	18.1	48.5	72.4	77.4
92.5°	0.0	8.7	32.6	54.3	59.3
95°	0.7	4.3	21.0	39.8	44.1
97.5°	0.7	2.2	13.8	28.2	32.6
100°	0.7	1.4	9.4	20.3	23.9
102.5°	0.7	0.7	6.5	14.5	17.4
105°	0.7	0.7	5.1	10.9	13.0
107.5°	1.4	0.7	2.9	8.0	9.4
110°	1.4	0.7	1.4	5.8	7.2

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.4	*0.7*	0.7	3.6	5.1
115°	1.4	*0.7*	1.4	2.2	2.9
117.5°	1.4	*0.7*	1.4	0.7	1.4
120°	1.4	*0.7*	0.7	0.7	0.7
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	19.48	21.08	19.86	21.41	21.75	19.36	20.95	19.74	21.29	21.63
	3H	21.16	22.61	21.56	22.95	23.34	21.22	22.66	21.61	23.01	23.39
	4H	21.76	23.12	22.17	23.49	23.89	22.01	23.37	22.42	23.73	24.13
	6H	22.15	23.41	22.57	23.79	24.21	22.73	23.99	23.16	24.38	24.79
	8H	22.25	23.45	22.69	23.86	24.28	23.07	24.27	23.50	24.68	25.10
	12H	22.30	23.45	22.74	23.85	24.30	23.41	24.57	23.86	24.97	25.42
4H	2H	20.08	21.44	20.49	21.80	22.20	19.98	21.34	20.39	21.71	22.11
	3H	22.00	23.15	22.43	23.56	23.98	22.08	23.23	22.51	23.64	24.07
	4H	22.73	23.77	23.18	24.20	24.66	23.03	24.06	23.47	24.50	24.95
	6H	23.26	24.16	23.72	24.62	25.10	23.92	24.83	24.39	25.29	25.77
	8H	23.40	24.25	23.88	24.71	25.20	24.34	25.19	24.82	25.65	26.14
	12H	23.49	24.25	23.98	24.75	25.24	24.79	25.55	25.28	26.04	26.53
8H	4H	23.09	23.94	23.57	24.40	24.89	23.35	24.20	23.83	24.66	25.15
	6H	23.76	24.47	24.27	24.97	25.47	24.42	25.13	24.93	25.64	26.14
	8H	23.98	24.62	24.51	25.15	25.65	24.98	25.62	25.50	26.14	26.64
	12H	24.14	24.71	24.66	25.22	25.80	25.59	26.16	26.11	26.67	27.25
12H	4H	23.16	23.92	23.65	24.42	24.91	23.39	24.15	23.88	24.64	25.14
	6H	23.87	24.51	24.39	25.03	25.54	24.49	25.13	25.02	25.66	26.16
	8H	24.17	24.74	24.69	25.25	25.83	25.13	25.70	25.65	26.20	26.78

END OF REPORT