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: P1559221

Luminaire Tested: 4NWS3C5-3000-MID

Issue Date: 9/2/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P1559221
	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:	4NWS3C5-3000-MID
Description:	4ft WRAP Med Lumen 5 CCT SEL NUV 0-10V DIM 3000K
Light Source:	
Ballast/Driver:	-

Summary

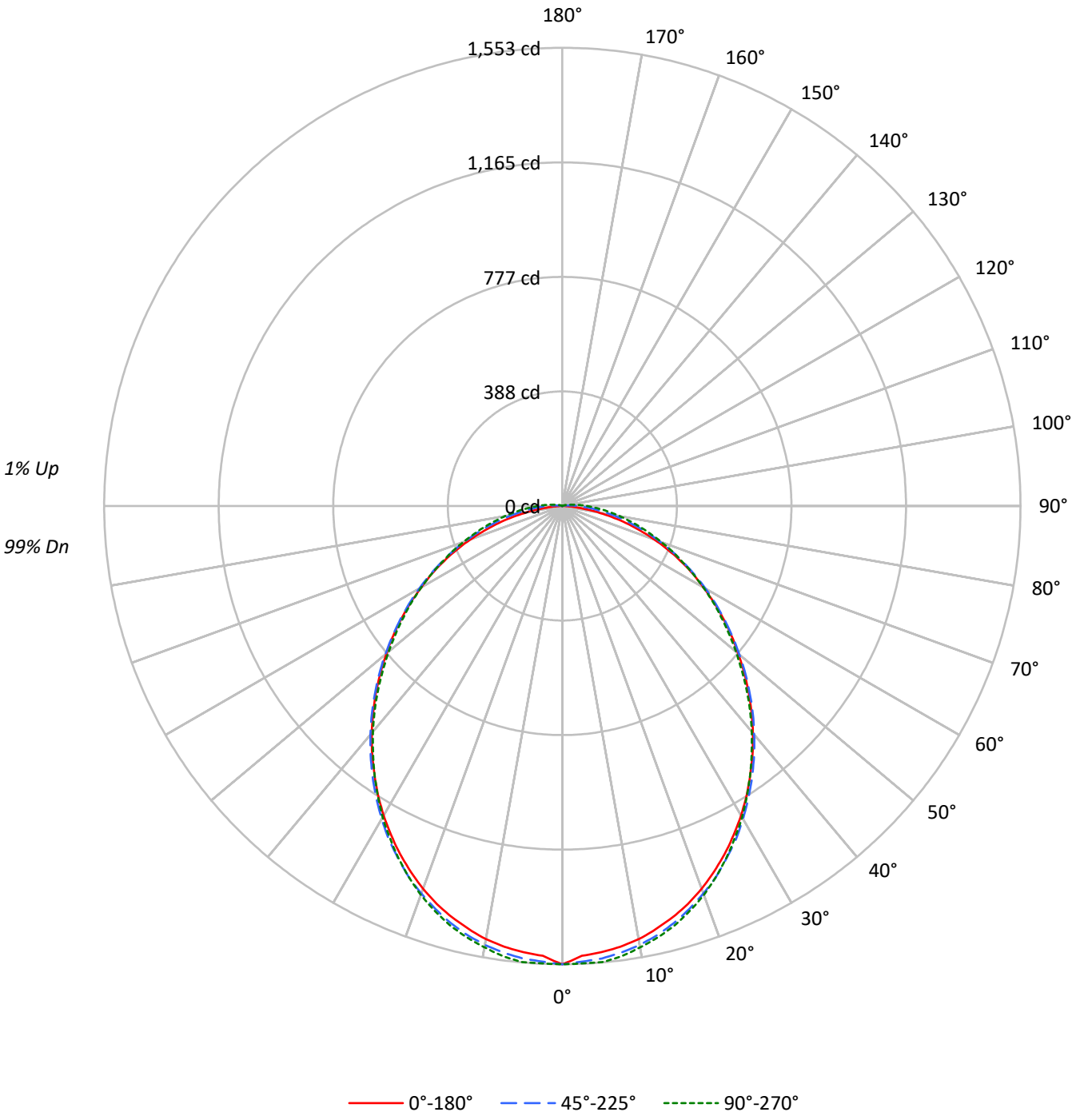
Lumens per Lamp:	N/A
Luminaire Lumens:	4031.6 lumens
Efficiency:	N/A
Efficacy:	129.6 lumens/watt
Spacing Criteria (0/90/45):	1.17 / 1.17 / 1.29
Luminous Opening:	Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type:	Direct
Input Watts (W):	31.1
Input Voltage (V):	
Input Current (Ain):	NR
Voltage Rise (V):	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°	12667	12667	12667
5°	12428	12601	12702
10°	12346	12507	12579
15°	12186	12351	12423
20°	11979	12127	12175
25°	11711	11851	11838
30°	11405	11530	11471
35°	11057	11165	11049
40°	10695	10769	10628
45°	10301	10364	10193
50°	9877	9937	9739
55°	9474	9530	9342
60°	9012	9140	8999
65°	8542	8737	8692
70°	7916	8381	8512
75°	7048	8006	8545
80°	5710	7941	9223
85°	3724	9553	12472

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
Vertical Angle: 87.5°
Luminance: 19816 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.5	3.6
10°-20°	413.6	10.3
20°-30°	608.2	15.1
30°-40°	702.7	17.4
40°-50°	694.4	17.2
50°-60°	601.0	14.9
60°-70°	449.9	11.2
70°-80°	269.3	6.7
80°-90°	108.9	2.7
90°-100°	28.3	0.7
100°-110°	7.1	0.2
110°-120°	1.8	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°	1168.3	29.0
0°-40°	1870.9	46.4
0°-60°	3166.3	78.5
0°-90°	3994.3	99.1
90°-120°	37.2	0.9
90°-150°	37.3	0.9
90°-180°	37.0	0.9
0°-180°	4031.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1553	1553	1553	1553	1553	
5°	1518	1568	1539	1536	1552	144
15°	1444	1490	1463	1464	1472	407
25°	1302	1344	1317	1315	1316	599
35°	1111	1146	1122	1118	1110	695
45°	893	919	899	894	884	689
55°	666	686	670	668	657	596
65°	443	455	453	458	450	438
75°	224	238	254	273	271	236
85°	40	66	102	129	133	50
90°	0	20	52	78	83	2
95°	1	5	23	43	48	1
105°	1	1	6	12	14	1
115°	2	1	2	2	3	2
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°	1553.4	1553.4	1553.4	1553.4	1553.4
2.5°	1526.1	1574.4	1545.6	1542.5	1551.8
5°	1518.3	1568.2	1539.4	1535.5	1551.8
7.5°	1506.6	1556.5	1526.9	1523.0	1539.4
10°	1491.0	1539.4	1510.5	1507.4	1519.1
12.5°	1468.4	1518.3	1489.5	1486.4	1497.3
15°	1443.5	1490.3	1463.0	1463.8	1471.6
17.5°	1414.7	1459.1	1431.8	1432.6	1438.8
20°	1380.4	1424.8	1397.5	1396.0	1403.0
22.5°	1342.2	1386.6	1360.9	1356.2	1360.9
25°	1301.6	1344.5	1317.2	1314.9	1315.7
27.5°	1257.2	1298.5	1273.6	1269.7	1267.4
30°	1211.2	1250.2	1224.5	1220.6	1218.2
32.5°	1162.9	1198.8	1173.8	1169.9	1164.5
35°	1110.7	1145.8	1121.6	1118.5	1109.9
37.5°	1059.2	1090.4	1067.0	1064.7	1053.8
40°	1004.7	1034.3	1011.7	1007.8	998.4
42.5°	948.6	977.4	955.6	950.9	941.5
45°	893.2	918.9	898.7	894.0	883.9
47.5°	835.5	860.5	841.8	837.1	824.6
50°	778.6	803.6	783.3	779.4	767.7
52.5°	723.3	744.4	726.4	723.3	712.4
55°	666.4	685.9	670.3	668.0	657.1
57.5°	609.5	626.7	615.0	614.2	604.8
60°	552.6	569.8	560.4	560.4	551.8
62.5°	499.6	512.9	505.8	509.7	500.4
65°	442.7	455.2	452.8	458.3	450.5
67.5°	387.4	400.6	401.4	410.8	403.7
70°	332.0	345.3	351.5	361.7	357.0
72.5°	276.7	290.7	302.4	316.4	312.6
75°	223.7	238.5	254.1	272.8	271.2
77.5°	169.9	188.6	210.4	232.3	232.3
80°	121.6	142.6	169.1	194.9	196.4
82.5°	77.2	100.5	133.3	160.6	162.9
85°	39.8	65.5	102.1	129.4	133.3
87.5°	12.5	38.2	74.0	101.3	106.0
90°	0.0	19.5	52.2	77.9	83.4
92.5°	0.0	9.4	35.1	58.5	63.9
95°	0.8	4.7	22.6	42.9	47.5
97.5°	0.8	2.3	14.8	30.4	35.1
100°	0.8	1.6	10.1	21.8	25.7
102.5°	0.8	0.8	7.0	15.6	18.7
105°	0.8	0.8	5.5	11.7	14.0
107.5°	1.6	0.8	3.1	8.6	10.1
110°	1.6	0.8	1.6	6.2	7.8

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.6	*0.8*	0.8	3.9	5.5
115°	1.6	*0.8*	1.6	2.3	3.1
117.5°	1.6	*0.8*	1.6	0.8	1.6
120°	1.6	*0.8*	0.8	0.8	0.8
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	19.74	21.33	20.12	21.67	22.01	19.62	21.21	20.00	21.55	21.88
	3H	21.42	22.87	21.81	23.21	23.60	21.48	22.92	21.87	23.27	23.65
	4H	22.02	23.38	22.43	23.75	24.14	22.26	23.63	22.68	23.99	24.39
	6H	22.41	23.67	22.83	24.05	24.47	22.99	24.25	23.41	24.63	25.05
	8H	22.51	23.71	22.95	24.12	24.54	23.32	24.53	23.76	24.94	25.36
	12H	22.55	23.71	23.00	24.11	24.56	23.67	24.83	24.12	25.23	25.68
4H	2H	20.33	21.69	20.75	22.06	22.46	20.24	21.60	20.65	21.97	22.36
	3H	22.26	23.40	22.68	23.82	24.24	22.34	23.48	22.77	23.90	24.32
	4H	22.99	24.03	23.44	24.46	24.92	23.28	24.32	23.73	24.75	25.21
	6H	23.51	24.42	23.98	24.88	25.36	24.18	25.09	24.65	25.55	26.02
	8H	23.66	24.51	24.13	24.97	25.46	24.60	25.45	25.07	25.91	26.40
	12H	23.74	24.51	24.24	25.00	25.49	25.04	25.81	25.54	26.30	26.79
8H	4H	23.35	24.20	23.82	24.66	25.15	23.61	24.46	24.09	24.92	25.41
	6H	24.01	24.73	24.52	25.23	25.73	24.68	25.39	25.19	25.90	26.39
	8H	24.24	24.88	24.76	25.40	25.91	25.23	25.87	25.76	26.39	26.90
	12H	24.40	24.97	24.92	25.47	26.05	25.85	26.42	26.37	26.92	27.51
12H	4H	23.41	24.18	23.91	24.67	25.16	23.64	24.41	24.14	24.90	25.39
	6H	24.13	24.77	24.65	25.29	25.80	24.75	25.39	25.27	25.91	26.42
	8H	24.43	25.00	24.95	25.50	26.08	25.39	25.95	25.91	26.46	27.04

END OF REPORT