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: P1559222

Luminaire Tested: 4NWS3C5-3500-MID

Issue Date: 9/2/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P1559222
	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:	4NWS3C5-3500-MID
Description:	4ft WRAP Med Lumen 5 CCT SEL NUV 0-10V DIM 3500K
Light Source:	
Ballast/Driver:	-

Summary

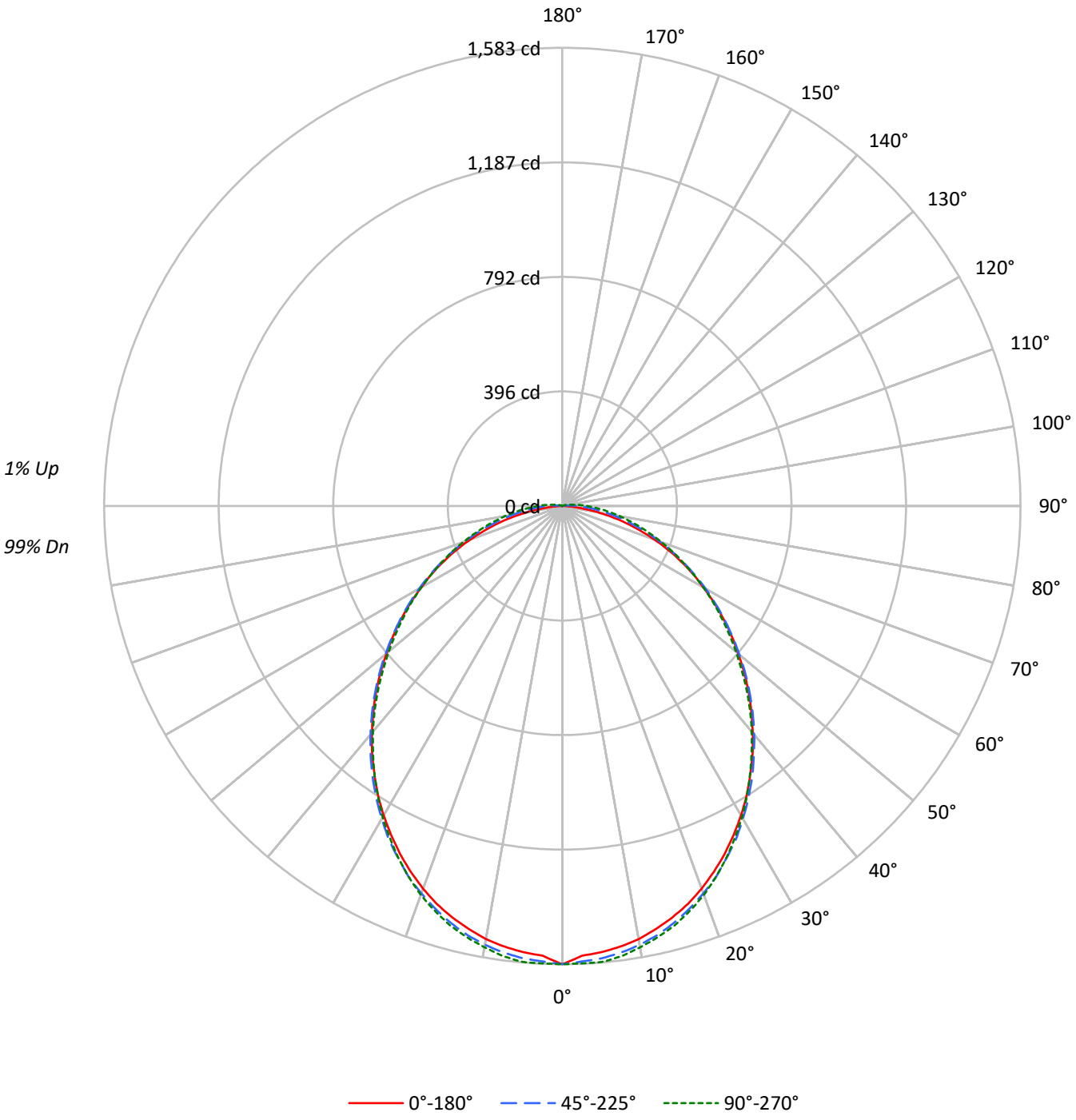
Lumens per Lamp:	N/A
Luminaire Lumens:	4108.6 lumens
Efficiency:	N/A
Efficacy:	133.8 lumens/watt
Spacing Criteria (0/90/45):	1.17 / 1.17 / 1.29
Luminous Opening:	Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type:	Direct
Input Watts (W):	30.7
Input Voltage (V):	
Input Current (Ain):	NR
Voltage Rise (V):	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°	12909	12909	12909
5°	12666	12841	12946
10°	12582	12747	12819
15°	12418	12586	12660
20°	12207	12359	12407
25°	11935	12078	12064
30°	11622	11749	11690
35°	11268	11378	11260
40°	10899	10975	10831
45°	10498	10561	10387
50°	10066	10127	9926
55°	9655	9712	9520
60°	9185	9314	9172
65°	8706	8905	8858
70°	8068	8540	8674
75°	7183	8157	8708
80°	5818	8096	9401
85°	3789	9740	12706

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
Vertical Angle: 87.5°
Luminance: 20190 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.3	3.6
10°-20°	421.5	10.3
20°-30°	619.8	15.1
30°-40°	716.1	17.4
40°-50°	707.6	17.2
50°-60°	612.4	14.9
60°-70°	458.4	11.2
70°-80°	274.5	6.7
80°-90°	111.0	2.7
90°-100°	28.8	0.7
100°-110°	7.2	0.2
110°-120°	1.9	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°	1190.6	29.0
0°-40°	1906.6	46.4
0°-60°	3226.7	78.5
0°-90°	4070.6	99.1
90°-120°	37.9	0.9
90°-150°	38.0	0.9
90°-180°	38.0	0.9
0°-180°	4108.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1583	1583	1583	1583	1583	
5°	1547	1598	1569	1565	1582	147
15°	1471	1519	1491	1492	1500	415
25°	1326	1370	1342	1340	1341	610
35°	1132	1168	1143	1140	1131	708
45°	910	936	916	911	901	702
55°	679	699	683	681	670	607
65°	451	464	462	467	459	447
75°	228	243	259	278	276	241
85°	40	67	104	132	136	51
90°	0	20	53	79	85	2
95°	1	5	23	44	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°	1583.0	1583.0	1583.0	1583.0	1583.0
2.5°	1555.2	1604.5	1575.1	1571.9	1581.5
5°	1547.3	1598.1	1568.7	1564.8	1581.5
7.5°	1535.4	1586.2	1556.0	1552.1	1568.7
10°	1519.5	1568.7	1539.4	1536.2	1548.1
12.5°	1496.5	1547.3	1517.9	1514.7	1525.9
15°	1471.0	1518.7	1490.9	1491.7	1499.6
17.5°	1441.7	1486.9	1459.1	1459.9	1466.3
20°	1406.7	1452.0	1424.2	1422.6	1429.7
22.5°	1367.8	1413.1	1386.8	1382.1	1386.8
25°	1326.5	1370.2	1342.4	1340.0	1340.8
27.5°	1281.2	1323.3	1297.9	1293.9	1291.5
30°	1234.3	1274.1	1247.8	1243.9	1241.5
32.5°	1185.1	1221.6	1196.2	1192.2	1186.7
35°	1131.9	1167.6	1143.0	1139.8	1131.1
37.5°	1079.5	1111.2	1087.4	1085.0	1073.9
40°	1023.9	1054.0	1031.0	1027.0	1017.5
42.5°	966.7	996.1	973.8	969.0	959.5
45°	910.3	936.5	915.8	911.1	900.7
47.5°	851.5	876.9	857.8	853.1	840.4
50°	793.5	818.9	798.3	794.3	782.4
52.5°	737.1	758.6	740.3	737.1	726.0
55°	679.1	699.0	683.1	680.7	669.6
57.5°	621.1	638.6	626.7	625.9	616.4
60°	563.2	580.6	571.1	571.1	562.4
62.5°	509.1	522.6	515.5	519.5	509.9
65°	451.2	463.9	461.5	467.0	459.1
67.5°	394.8	408.3	409.1	418.6	411.4
70°	338.4	351.9	358.2	368.6	363.8
72.5°	282.0	296.3	308.2	322.5	318.5
75°	228.0	243.1	258.9	278.0	276.4
77.5°	173.2	192.2	214.5	236.7	236.7
80°	123.9	145.4	172.4	198.6	200.2
82.5°	78.6	102.5	135.8	163.6	166.0
85°	40.5	66.7	104.1	131.9	135.8
87.5°	12.7	38.9	75.5	103.3	108.0
90°	0.0	19.9	53.2	79.4	85.0
92.5°	0.0	9.5	35.7	59.6	65.1
95°	0.8	4.8	23.0	43.7	48.5
97.5°	0.8	2.4	15.1	31.0	35.7
100°	0.8	1.6	10.3	22.2	26.2
102.5°	0.8	0.8	7.1	15.9	19.1
105°	0.8	0.8	5.6	11.9	14.3
107.5°	1.6	0.8	3.2	8.7	10.3
110°	1.6	0.8	1.6	6.4	7.9

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.6	*0.8*	0.8	4.0	5.6
115°	1.6	*0.8*	1.6	2.4	3.2
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	19.80	21.40	20.18	21.73	22.07	19.68	21.28	20.06	21.61	21.95
	3H	21.49	22.93	21.88	23.28	23.66	21.54	22.99	21.94	23.33	23.72
	4H	22.08	23.44	22.50	23.81	24.21	22.33	23.69	22.74	24.06	24.46
	6H	22.47	23.73	22.90	24.12	24.53	23.05	24.32	23.48	24.70	25.11
	8H	22.57	23.78	23.01	24.19	24.61	23.39	24.59	23.83	25.00	25.42
	12H	22.62	23.78	23.06	24.18	24.63	23.74	24.89	24.18	25.29	25.74
4H	2H	20.40	21.76	20.81	22.13	22.53	20.30	21.66	20.72	22.03	22.43
	3H	22.33	23.47	22.75	23.89	24.31	22.41	23.55	22.83	23.97	24.39
	4H	23.06	24.09	23.50	24.53	24.98	23.35	24.39	23.80	24.82	25.28
	6H	23.58	24.49	24.05	24.95	25.42	24.25	25.15	24.71	25.61	26.09
	8H	23.72	24.58	24.20	25.04	25.52	24.66	25.51	25.14	25.97	26.46
	12H	23.81	24.58	24.30	25.07	25.56	25.11	25.87	25.60	26.37	26.86
8H	4H	23.42	24.27	23.89	24.73	25.21	23.68	24.53	24.15	24.99	25.47
	6H	24.08	24.79	24.59	25.30	25.79	24.75	25.46	25.25	25.96	26.46
	8H	24.31	24.95	24.83	25.47	25.98	25.30	25.94	25.82	26.46	26.97
	12H	24.47	25.03	24.99	25.54	26.12	25.92	26.48	26.44	26.99	27.57
12H	4H	23.48	24.25	23.98	24.74	25.23	23.71	24.48	24.20	24.97	25.46
	6H	24.19	24.83	24.72	25.36	25.86	24.82	25.46	25.34	25.98	26.49
	8H	24.50	25.06	25.02	25.57	26.15	25.45	26.02	25.97	26.53	27.11

END OF REPORT