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: P1559223

Luminaire Tested: 4NWS3C5-4000-MID

Issue Date: 9/2/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P1559223
	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-MID
Description:	4ft WRAP Med Lumen 5 CCT SEL NUV 0-10V DIM 4000K
Light Source:	
Ballast/Driver:	-

Summary

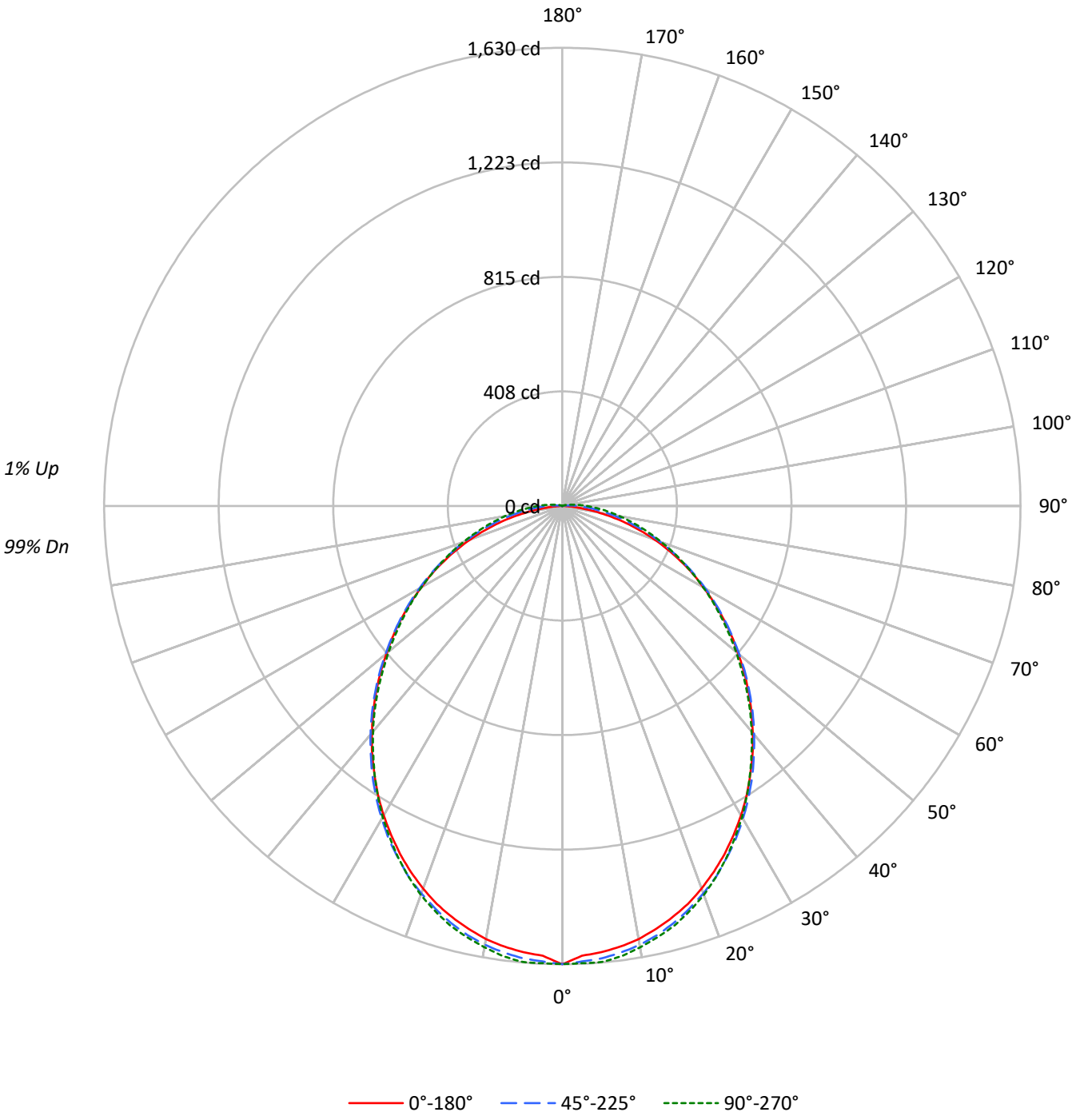
Lumens per Lamp:	N/A
Luminaire Lumens:	4230.2 lumens
Efficiency:	N/A
Efficacy:	138.2 lumens/watt
Spacing Criteria (0/90/45):	1.17 / 1.17 / 1.29
Luminous Opening:	Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type:	Direct
Input Watts (W):	30.6
Input Voltage (V):	
Input Current (Ain):	NR
Voltage Rise (V):	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°	13291	13291	13291
5°	13041	13221	13329
10°	12954	13124	13199
15°	12786	12960	13036
20°	12569	12725	12775
25°	12289	12435	12421
30°	11967	12098	12036
35°	11601	11716	11593
40°	11222	11300	11152
45°	10808	10875	10695
50°	10365	10427	10220
55°	9940	9999	9801
60°	9456	9590	9443
65°	8963	9169	9121
70°	8307	8793	8931
75°	7395	8400	8967
80°	5992	8335	9678
85°	3902	10021	13080

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
Vertical Angle: 87.5°
Luminance: 20788 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.7	3.6
10°-20°	434.0	10.3
20°-30°	638.1	15.1
30°-40°	737.3	17.4
40°-50°	728.6	17.2
50°-60°	630.6	14.9
60°-70°	472.0	11.2
70°-80°	282.6	6.7
80°-90°	114.3	2.7
90°-100°	29.6	0.7
100°-110°	7.4	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°	1225.8	29.0
0°-40°	1963.1	46.4
0°-60°	3322.3	78.5
0°-90°	4191.2	99.1
90°-120°	39.0	0.9
90°-150°	39.1	0.9
90°-180°	39.0	0.9
0°-180°	4230.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1630	1630	1630	1630	1630	
5°	1593	1646	1615	1611	1628	151
15°	1515	1564	1535	1536	1544	427
25°	1366	1411	1382	1380	1380	629
35°	1165	1202	1177	1174	1165	729
45°	937	964	943	938	927	723
55°	699	720	703	701	689	625
65°	464	478	475	481	473	460
75°	235	250	267	286	285	248
85°	42	69	107	136	140	52
90°	0	20	55	82	88	2
95°	1	5	24	45	50	1
105°	1	1	6	12	15	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°	1629.9	1629.9	1629.9	1629.9	1629.9
2.5°	1601.3	1652.0	1621.8	1618.5	1628.3
5°	1593.1	1645.5	1615.2	1611.1	1628.3
7.5°	1580.9	1633.2	1602.1	1598.0	1615.2
10°	1564.5	1615.2	1585.0	1581.7	1594.0
12.5°	1540.8	1593.1	1562.9	1559.6	1571.1
15°	1514.6	1563.7	1535.1	1535.9	1544.1
17.5°	1484.4	1531.0	1502.4	1503.2	1509.7
20°	1448.4	1495.0	1466.4	1464.7	1472.1
22.5°	1408.3	1454.9	1427.9	1423.0	1427.9
25°	1365.8	1410.8	1382.1	1379.7	1380.5
27.5°	1319.2	1362.5	1336.3	1332.2	1329.8
30°	1270.9	1311.8	1284.8	1280.7	1278.3
32.5°	1220.2	1257.8	1231.7	1227.6	1221.8
35°	1165.4	1202.2	1176.9	1173.6	1164.6
37.5°	1111.4	1144.1	1119.6	1117.2	1105.7
40°	1054.2	1085.3	1061.5	1057.5	1047.6
42.5°	995.3	1025.6	1002.7	997.8	987.9
45°	937.2	964.2	943.0	938.1	927.4
47.5°	876.7	902.9	883.3	878.4	865.3
50°	817.0	843.2	821.9	817.8	805.6
52.5°	758.9	781.0	762.2	758.9	747.5
55°	699.2	719.7	703.3	700.9	689.4
57.5°	639.5	657.5	645.3	644.5	634.6
60°	579.8	597.8	588.0	588.0	579.0
62.5°	524.2	538.1	530.8	534.9	525.0
65°	464.5	477.6	475.2	480.9	472.7
67.5°	406.5	420.4	421.2	431.0	423.6
70°	348.4	362.3	368.8	379.5	374.6
72.5°	290.3	305.1	317.3	332.0	328.0
75°	234.7	250.3	266.6	286.2	284.6
77.5°	178.3	197.9	220.8	243.7	243.7
80°	127.6	149.7	177.5	204.5	206.1
82.5°	81.0	105.5	139.8	168.5	170.9
85°	41.7	68.7	107.1	135.8	139.8
87.5°	13.1	40.1	77.7	106.3	111.2
90°	0.0	20.4	54.8	81.8	87.5
92.5°	0.0	9.8	36.8	61.3	67.1
95°	0.8	4.9	23.7	45.0	49.9
97.5°	0.8	2.5	15.5	31.9	36.8
100°	0.8	1.6	10.6	22.9	27.0
102.5°	0.8	0.8	7.4	16.4	19.6
105°	0.8	0.8	5.7	12.3	14.7
107.5°	1.6	0.8	3.3	9.0	10.6
110°	1.6	0.8	1.6	6.5	8.2

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.6	*0.8*	0.8	4.1	5.7
115°	1.6	*0.8*	1.6	2.5	3.3
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	19.90	21.50	20.28	21.84	22.17	19.78	21.38	20.16	21.71	22.05
	3H	21.59	23.03	21.98	23.38	23.76	21.65	23.09	22.04	23.44	23.82
	4H	22.18	23.54	22.60	23.91	24.31	22.43	23.79	22.84	24.16	24.56
	6H	22.57	23.84	23.00	24.22	24.63	23.16	24.42	23.58	24.80	25.21
	8H	22.67	23.88	23.11	24.29	24.71	23.49	24.70	23.93	25.10	25.53
	12H	22.72	23.88	23.17	24.28	24.73	23.84	24.99	24.28	25.39	25.85
4H	2H	20.50	21.86	20.91	22.23	22.63	20.40	21.77	20.82	22.13	22.53
	3H	22.43	23.57	22.85	23.99	24.41	22.51	23.65	22.93	24.07	24.49
	4H	23.16	24.20	23.61	24.63	25.09	23.45	24.49	23.90	24.92	25.38
	6H	23.68	24.59	24.15	25.05	25.52	24.35	25.26	24.82	25.71	26.19
	8H	23.83	24.68	24.30	25.14	25.62	24.76	25.62	25.24	26.08	26.56
	12H	23.91	24.68	24.41	25.17	25.66	25.21	25.98	25.70	26.47	26.96
8H	4H	23.52	24.37	23.99	24.83	25.31	23.78	24.63	24.25	25.09	25.58
	6H	24.18	24.89	24.69	25.40	25.89	24.85	25.56	25.36	26.06	26.56
	8H	24.41	25.05	24.93	25.57	26.08	25.40	26.04	25.92	26.56	27.07
	12H	24.57	25.13	25.09	25.64	26.22	26.02	26.58	26.54	27.09	27.67
12H	4H	23.58	24.35	24.08	24.84	25.33	23.81	24.58	24.31	25.07	25.56
	6H	24.29	24.94	24.82	25.46	25.96	24.92	25.56	25.44	26.08	26.59
	8H	24.60	25.16	25.12	25.67	26.25	25.55	26.12	26.07	26.63	27.21

END OF REPORT