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: P1559225

Luminaire Tested: 4NWS3C5-5000-MID

Issue Date: 9/2/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P1559225
	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:	4NWS3C5-5000-MID
Description:	4ft WRAP Med Lumen 5 CCT SEL NUV 0-10V DIM 5000K
Light Source:	
Ballast/Driver:	-

Summary

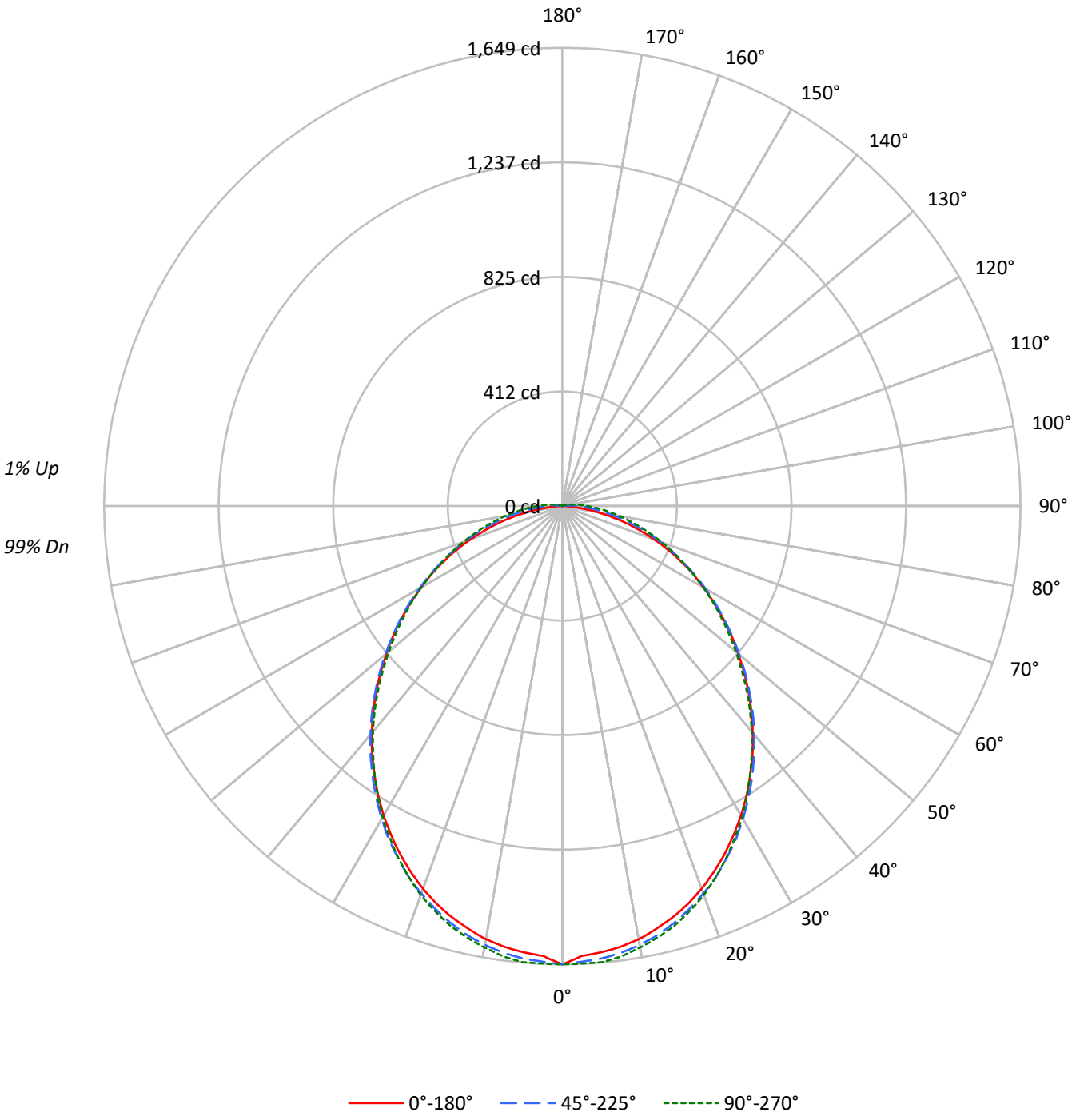
Lumens per Lamp:	N/A
Luminaire Lumens:	4280.5 lumens
Efficiency:	N/A
Efficacy:	138.1 lumens/watt
Spacing Criteria (0/90/45):	1.17 / 1.17 / 1.29
Luminous Opening:	Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type:	Direct
Input Watts (W):	31
Input Voltage (V):	
Input Current (Ain):	NR
Voltage Rise (V):	NR
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°	13449	13449	13449
5°	13196	13379	13487
10°	13109	13280	13355
15°	12938	13113	13190
20°	12718	12876	12926
25°	12435	12584	12569
30°	12109	12242	12180
35°	11740	11854	11731
40°	11355	11435	11285
45°	10937	11004	10822
50°	10488	10551	10340
55°	10060	10118	9918
60°	9568	9704	9555
65°	9069	9277	9229
70°	8404	8898	9036
75°	7483	8500	9074
80°	6063	8434	9791
85°	3948	10142	13239

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
Vertical Angle: 87.5°
Luminance: 21031 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.5	3.6
10°-20°	439.1	10.3
20°-30°	645.7	15.1
30°-40°	746.1	17.4
40°-50°	737.3	17.2
50°-60°	638.1	14.9
60°-70°	477.6	11.2
70°-80°	285.9	6.7
80°-90°	115.6	2.7
90°-100°	30.0	0.7
100°-110°	7.5	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°	1240.4	29.0
0°-40°	1986.5	46.4
0°-60°	3361.8	78.5
0°-90°	4241.0	99.1
90°-120°	39.5	0.9
90°-150°	39.6	0.9
90°-180°	40.0	0.9
0°-180°	4280.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1649	1649	1649	1649	1649	
5°	1612	1665	1634	1630	1648	153
15°	1533	1582	1553	1554	1562	432
25°	1382	1428	1399	1396	1397	636
35°	1179	1216	1191	1188	1178	738
45°	948	976	954	949	938	731
55°	708	728	712	709	698	633
65°	470	483	481	487	478	465
75°	238	253	270	290	288	251
85°	42	70	108	137	142	53
90°	0	21	55	83	88	2
95°	1	5	24	46	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°	1649.3	1649.3	1649.3	1649.3	1649.3
2.5°	1620.3	1671.7	1641.0	1637.7	1647.7
5°	1612.1	1665.0	1634.4	1630.3	1647.7
7.5°	1599.7	1652.6	1621.2	1617.0	1634.4
10°	1583.1	1634.4	1603.8	1600.5	1612.9
12.5°	1559.1	1612.1	1581.5	1578.1	1589.7
15°	1532.6	1582.3	1553.3	1554.1	1562.4
17.5°	1502.0	1549.2	1520.2	1521.0	1527.7
20°	1465.6	1512.8	1483.8	1482.1	1489.6
22.5°	1425.0	1472.2	1444.9	1439.9	1444.9
25°	1382.0	1427.5	1398.6	1396.1	1396.9
27.5°	1334.8	1378.7	1352.2	1348.1	1345.6
30°	1286.0	1327.4	1300.1	1295.9	1293.5
32.5°	1234.7	1272.8	1246.3	1242.2	1236.4
35°	1179.3	1216.5	1190.8	1187.5	1178.4
37.5°	1124.6	1157.7	1132.9	1130.4	1118.8
40°	1066.7	1098.2	1074.2	1070.0	1060.1
42.5°	1007.1	1037.7	1014.6	1009.6	999.7
45°	948.4	975.7	954.2	949.2	938.4
47.5°	887.1	913.6	893.8	888.8	875.5
50°	826.7	853.2	831.7	827.6	815.1
52.5°	768.0	790.3	771.3	768.0	756.4
55°	707.6	728.2	711.7	709.2	697.6
57.5°	647.1	665.4	652.9	652.1	642.2
60°	586.7	604.9	595.0	595.0	585.9
62.5°	530.5	544.5	537.1	541.2	531.3
65°	470.0	483.3	480.8	486.6	478.3
67.5°	411.3	425.4	426.2	436.1	428.7
70°	352.5	366.6	373.2	384.0	379.0
72.5°	293.8	308.7	321.1	336.0	331.8
75°	237.5	253.2	269.8	289.6	288.0
77.5°	180.4	200.3	223.4	246.6	246.6
80°	129.1	151.4	179.6	206.9	208.5
82.5°	81.9	106.8	141.5	170.5	173.0
85°	42.2	69.5	108.4	137.4	141.5
87.5°	13.2	40.6	78.6	107.6	112.5
90°	0.0	20.7	55.4	82.8	88.5
92.5°	0.0	9.9	37.2	62.1	67.9
95°	0.8	5.0	24.0	45.5	50.5
97.5°	0.8	2.5	15.7	32.3	37.2
100°	0.8	1.7	10.8	23.2	27.3
102.5°	0.8	0.8	7.4	16.6	19.9
105°	0.8	0.8	5.8	12.4	14.9
107.5°	1.7	0.8	3.3	9.1	10.8
110°	1.7	0.8	1.7	6.6	8.3

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.7	*0.8*	0.8	4.1	5.8
115°	1.7	*0.8*	1.7	2.5	3.3
117.5°	1.7	*0.8*	1.7	0.8	1.7
120°	1.7	*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	19.95	21.54	20.33	21.88	22.21	19.82	21.42	20.20	21.75	22.09
	3H	21.63	23.07	22.02	23.42	23.80	21.69	23.13	22.08	23.48	23.86
	4H	22.23	23.59	22.64	23.95	24.35	22.47	23.83	22.89	24.20	24.60
	6H	22.61	23.88	23.04	24.26	24.67	23.20	24.46	23.62	24.84	25.26
	8H	22.71	23.92	23.15	24.33	24.75	23.53	24.74	23.97	25.14	25.57
	12H	22.76	23.92	23.21	24.32	24.77	23.88	25.03	24.32	25.44	25.89
4H	2H	20.54	21.90	20.96	22.27	22.67	20.45	21.81	20.86	22.17	22.57
	3H	22.47	23.61	22.89	24.03	24.45	22.55	23.69	22.97	24.11	24.53
	4H	23.20	24.24	23.65	24.67	25.13	23.49	24.53	23.94	24.96	25.42
	6H	23.72	24.63	24.19	25.09	25.57	24.39	25.30	24.86	25.75	26.23
	8H	23.87	24.72	24.34	25.18	25.66	24.81	25.66	25.28	26.12	26.60
	12H	23.95	24.72	24.45	25.21	25.70	25.25	26.02	25.75	26.51	27.00
8H	4H	23.56	24.41	24.03	24.87	25.36	23.82	24.67	24.29	25.13	25.62
	6H	24.22	24.93	24.73	25.44	25.94	24.89	25.60	25.40	26.10	26.60
	8H	24.45	25.09	24.97	25.61	26.12	25.44	26.08	25.96	26.60	27.11
	12H	24.61	25.18	25.13	25.68	26.26	26.06	26.63	26.58	27.13	27.71
12H	4H	23.62	24.39	24.12	24.88	25.37	23.85	24.62	24.35	25.11	25.60
	6H	24.34	24.98	24.86	25.50	26.01	24.96	25.60	25.48	26.12	26.63
	8H	24.64	25.21	25.16	25.71	26.29	25.59	26.16	26.11	26.67	27.25

END OF REPORT