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: P1559217

Luminaire Tested: 4NWS3C5-3500-LOW

Issue Date: 9/2/2026

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P1559217
	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-LOW
Description:	4ft WRAP Lo Lumen 5 CCT SEL NUV 0-10V DIM 3500K
Light Source:	
Ballast/Driver:	-

Summary

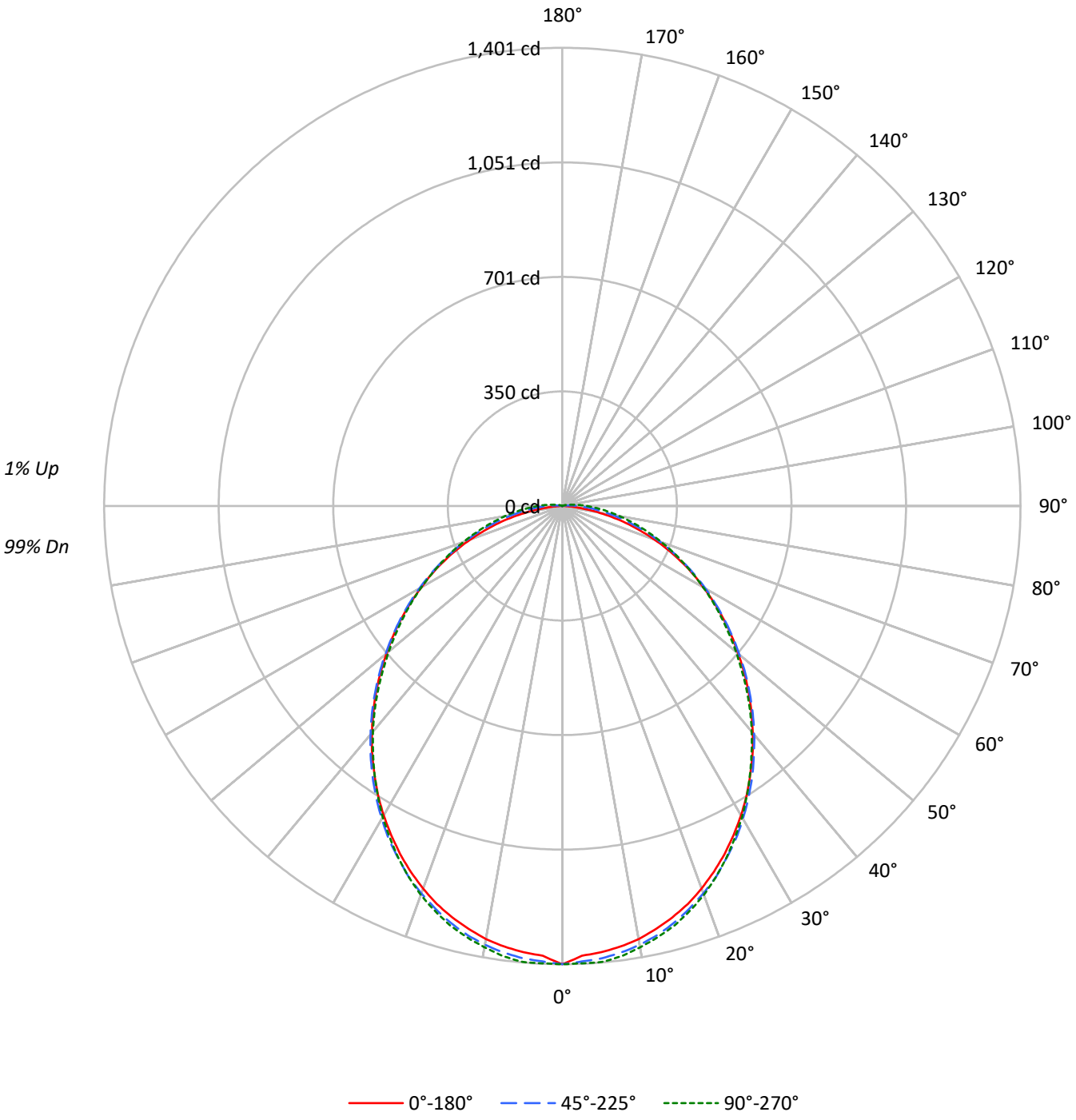
Lumens per Lamp:	N/A
Luminaire Lumens:	3636.0 lumens
Efficiency:	N/A
Efficacy:	134.7 lumens/watt
Spacing Criteria (0/90/45):	1.17 / 1.17 / 1.29
Luminous Opening:	Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type:	Direct
Input Watts (W):	27
Input Voltage (V):	
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	
Total Harmonic Distortion (THDi):	
Frequency (hertz):	60
Stabilization Time:	HR
Operation Time:	HR
Ambient Temperature (°C):	NR
Test Distance:	24 FT

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1559217
CATALOG NUMBER: 4NWS3C5-3500-LOW

Luminous Intensity Polar Plot



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1559217
CATALOG NUMBER: 4NWS3C5-3500-LOW

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°	11424	11424	11424
5°	11209	11364	11457
10°	11135	11280	11345
15°	10991	11139	11204
20°	10803	10938	10980
25°	10562	10689	10676
30°	10286	10399	10345
35°	9972	10070	9965
40°	9645	9712	9586
45°	9290	9347	9193
50°	8909	8963	8784
55°	8544	8594	8425
60°	8128	8243	8117
65°	7705	7880	7840
70°	7141	7558	7677
75°	6355	7221	7706
80°	5151	7161	8317
85°	3359	8617	11246

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
Vertical Angle: 87.5°
Luminance: 17872 cd/sqm

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1559217
CATALOG NUMBER: 4NWS3C5-3500-LOW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.1	3.6
10°-20°	373.0	10.3
20°-30°	548.5	15.1
30°-40°	633.7	17.4
40°-50°	626.3	17.2
50°-60°	542.0	14.9
60°-70°	405.7	11.2
70°-80°	242.9	6.7
80°-90°	98.2	2.7
90°-100°	25.5	0.7
100°-110°	6.4	0.2
110°-120°	1.6	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°	1053.6	29.0
0°-40°	1687.4	46.4
0°-60°	2855.7	78.5
0°-90°	3602.4	99.1
90°-120°	33.5	0.9
90°-150°	33.6	0.9
90°-180°	34.0	0.9
0°-180°	3636.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1401	1401	1401	1401	1401	
5°	1369	1414	1388	1385	1400	130
15°	1302	1344	1320	1320	1327	367
25°	1174	1213	1188	1186	1187	540
35°	1002	1033	1012	1009	1001	627
45°	806	829	810	806	797	621
55°	601	619	604	602	593	537
65°	399	410	408	413	406	395
75°	202	215	229	246	245	213
85°	36	59	92	117	120	45
90°	0	18	47	70	75	2
95°	1	4	20	39	43	0
105°	1	1	5	10	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	

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1559217
CATALOG NUMBER: 4NWS3C5-3500-LOW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1401.0	*1401.0*	1401.0	1401.0	1401.0
2.5°	*1376.4*	*1420.0*	*1394.0*	*1391.2*	*1399.6*
5°	1369.4	*1414.4*	1388.3	1384.8	1399.6
7.5°	1358.8	*1403.8*	1377.1	1373.6	1388.3
10°	1344.8	*1388.3*	1362.3	1359.5	1370.1
12.5°	1324.4	*1369.4*	1343.4	1340.5	1350.4
15°	1301.9	*1344.1*	1319.5	1320.2	1327.2
17.5°	1275.9	*1315.9*	1291.3	1292.0	1297.7
20°	1244.9	*1285.0*	1260.4	1259.0	1265.3
22.5°	1210.5	*1250.6*	1227.4	1223.2	1227.4
25°	1173.9	*1212.6*	1188.0	1185.9	1186.6
27.5°	1133.9	*1171.1*	1148.6	1145.1	1143.0
30°	1092.4	*1127.5*	1104.4	1100.8	1098.7
32.5°	1048.8	*1081.2*	1058.7	1055.1	1050.2
35°	1001.7	*1033.4*	1011.6	1008.7	1001.0
37.5°	955.3	*983.4*	962.4	960.2	950.4
40°	906.1	*932.8*	912.4	908.9	900.5
42.5°	855.5	*881.5*	861.8	857.6	849.2
45°	805.6	*828.8*	810.5	806.3	797.2
47.5°	753.6	*776.1*	759.2	755.0	743.7
50°	702.3	*724.8*	706.5	703.0	692.4
52.5°	652.3	*671.3*	655.2	652.3	642.5
55°	601.0	*618.6*	604.5	602.4	592.6
57.5°	549.7	*565.2*	554.6	553.9	545.5
60°	498.4	*513.9*	505.4	505.4	497.7
62.5°	450.6	*462.5*	456.2	459.7	451.3
65°	399.3	*410.5*	408.4	413.3	406.3
67.5°	349.4	*361.3*	362.0	370.5	364.1
70°	299.5	*311.4*	317.0	326.2	322.0
72.5°	249.6	*262.2*	272.7	285.4	281.9
75°	201.7	*215.1*	229.2	246.0	244.6
77.5°	153.2	*170.1*	189.8	209.5	209.5
80°	109.7	*128.6*	152.5	175.7	177.1
82.5°	69.6	*90.7*	120.2	144.8	146.9
85°	35.9	*59.0*	92.1	116.7	120.2
87.5°	11.2	*34.4*	66.8	91.4	95.6
90°	0.0	*17.6*	47.1	70.3	75.2
92.5°	0.0	*8.4*	31.6	52.7	57.6
95°	0.7	*4.2*	20.4	38.7	42.9
97.5°	0.7	*2.1*	13.4	27.4	31.6
100°	0.7	*1.4*	9.1	19.7	23.2
102.5°	0.7	*0.7*	6.3	14.1	16.9
105°	0.7	*0.7*	4.9	10.5	12.7
107.5°	1.4	*0.7*	2.8	7.7	9.1
110°	1.4	*0.7*	1.4	5.6	7.0

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1559217
CATALOG NUMBER: 4NWS3C5-3500-LOW

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.4	*0.7*	0.7	3.5	4.9
115°	1.4	*0.7*	1.4	2.1	2.8
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

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1559217
CATALOG NUMBER: 4NWS3C5-3500-LOW

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	19.38	20.98	19.76	21.31	21.65	19.26	20.85	19.64	21.19	21.52
	3H	21.06	22.51	21.46	22.85	23.24	21.12	22.56	21.51	22.91	23.29
	4H	21.66	23.02	22.07	23.39	23.79	21.91	23.27	22.32	23.63	24.03
	6H	22.05	23.31	22.47	23.69	24.11	22.63	23.89	23.06	24.28	24.69
	8H	22.15	23.35	22.59	23.76	24.18	22.96	24.17	23.40	24.58	25.00
	12H	22.20	23.35	22.64	23.75	24.20	23.31	24.47	23.76	24.87	25.32
4H	2H	19.98	21.34	20.39	21.70	22.10	19.88	21.24	20.29	21.61	22.00
	3H	21.90	23.04	22.33	23.46	23.88	21.98	23.13	22.41	23.54	23.96
	4H	22.63	23.67	23.08	24.10	24.56	22.93	23.96	23.37	24.39	24.85
	6H	23.15	24.06	23.62	24.52	25.00	23.82	24.73	24.29	25.19	25.66
	8H	23.30	24.15	23.77	24.61	25.10	24.24	25.09	24.71	25.55	26.04
	12H	23.39	24.15	23.88	24.64	25.14	24.68	25.45	25.18	25.94	26.43
8H	4H	22.99	23.84	23.47	24.30	24.79	23.25	24.10	23.73	24.56	25.05
	6H	23.66	24.37	24.16	24.87	25.37	24.32	25.03	24.83	25.54	26.03
	8H	23.88	24.52	24.41	25.04	25.55	24.87	25.51	25.40	26.04	26.54
	12H	24.04	24.61	24.56	25.12	25.70	25.49	26.06	26.01	26.56	27.15
12H	4H	23.06	23.82	23.55	24.31	24.81	23.28	24.05	23.78	24.54	25.03
	6H	23.77	24.41	24.29	24.93	25.44	24.39	25.03	24.91	25.55	26.06
	8H	24.07	24.64	24.59	25.14	25.73	25.03	25.59	25.55	26.10	26.68

END OF REPORT