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: P1559216

Luminaire Tested: 4NWS3C5-3000-LOW

Issue Date: 9/2/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P1559216
	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-LOW
Description:	4ft WRAP Lo Lumen 5 CCT SEL NUV 0-10V DIM 3000K
Light Source:	
Ballast/Driver:	-

Summary

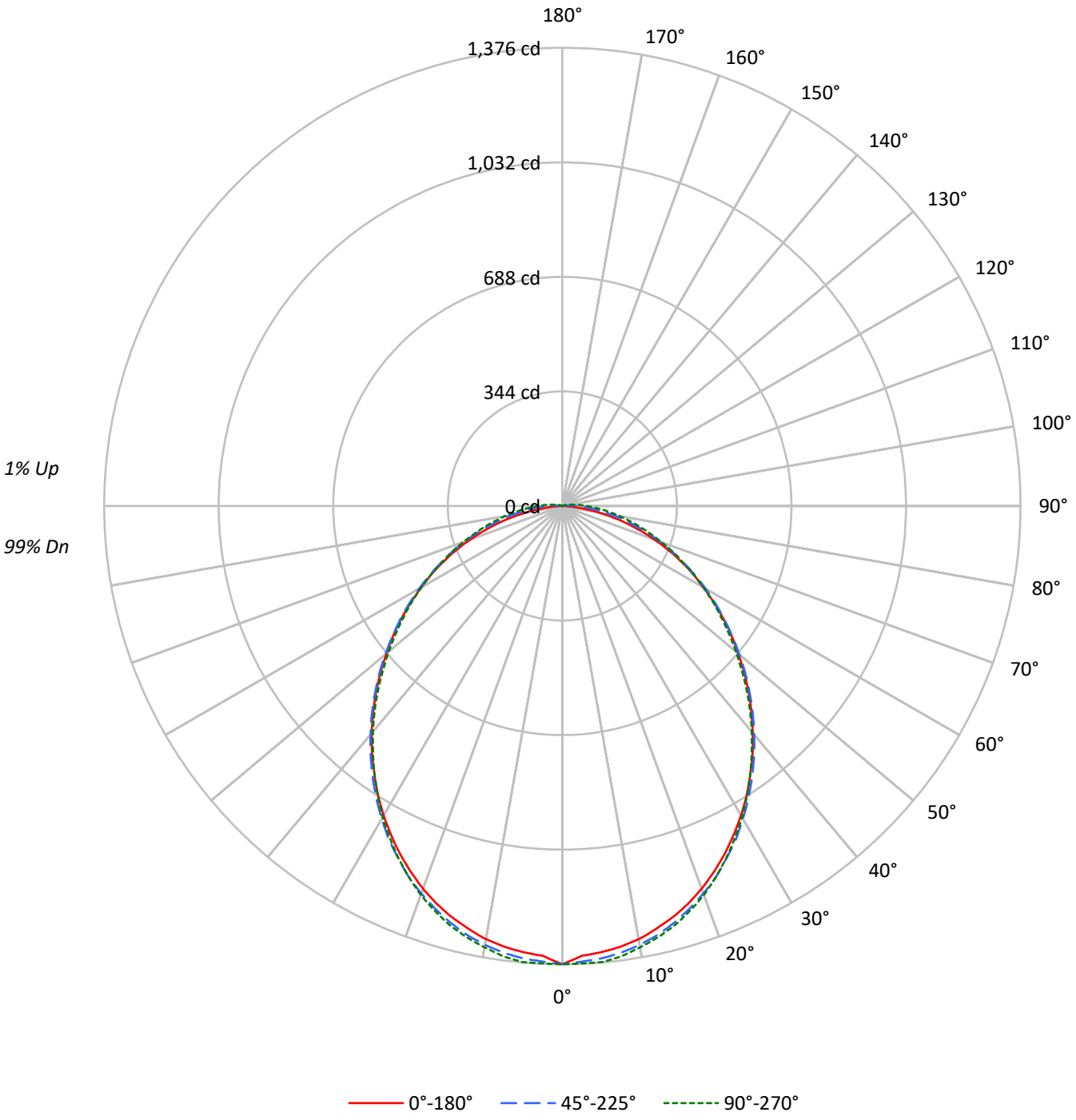
Lumens per Lamp:	N/A
Luminaire Lumens:	3571.8 lumens
Efficiency:	N/A
Efficacy:	131.3 lumens/watt
Spacing Criteria (0/90/45):	1.17 / 1.17 / 1.29
Luminous Opening:	Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type:	Direct
Input Watts (W):	27.2
Input Voltage (V):	
Input Current (Ain):	NR
Voltage Rise (V):	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°	11222	11222	11222
5°	11011	11164	11254
10°	10938	11081	11144
15°	10797	10942	11006
20°	10612	10744	10787
25°	10376	10500	10487
30°	10104	10214	10163
35°	9796	9892	9789
40°	9475	9541	9416
45°	9127	9182	9031
50°	8751	8804	8629
55°	8394	8443	8276
60°	7985	8097	7973
65°	7568	7741	7701
70°	7014	7424	7541
75°	6245	7092	7571
80°	5058	7035	8171
85°	3293	8467	11050

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
Vertical Angle: 87.5°
Luminance: 17554 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.8	3.6
10°-20°	366.4	10.3
20°-30°	538.8	15.1
30°-40°	622.5	17.4
40°-50°	615.2	17.2
50°-60°	532.4	14.9
60°-70°	398.5	11.2
70°-80°	238.6	6.7
80°-90°	96.5	2.7
90°-100°	25.0	0.7
100°-110°	6.3	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°	1035.0	29.0
0°-40°	1657.6	46.4
0°-60°	2805.2	78.5
0°-90°	3538.8	99.1
90°-120°	32.9	0.9
90°-150°	33.0	0.9
90°-180°	33.0	0.9
0°-180°	3571.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1376	1376	1376	1376	1376	
5°	1345	1389	1364	1360	1375	128
15°	1279	1320	1296	1297	1304	360
25°	1153	1191	1167	1165	1166	531
35°	984	1015	994	991	983	616
45°	791	814	796	792	783	610
55°	590	608	594	592	582	528
65°	392	403	401	406	399	388
75°	198	211	225	242	240	209
85°	35	58	90	115	118	44
90°	0	17	46	69	74	2
95°	1	4	20	38	42	0
105°	1	1	5	10	12	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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1376.2	*1376.2*	1376.2	1376.2	1376.2
2.5°	*1352.1*	*1394.9*	*1369.3*	*1366.6*	*1374.9*
5°	1345.2	*1389.4*	1363.8	1360.3	1374.9
7.5°	1334.8	*1379.0*	1352.8	1349.3	1363.8
10°	1321.0	*1363.8*	1338.3	1335.5	1345.8
12.5°	1301.0	*1345.2*	1319.6	1316.8	1326.5
15°	1278.9	*1320.3*	1296.1	1296.8	1303.7
17.5°	1253.3	*1292.7*	1268.5	1269.2	1274.7
20°	1222.9	*1262.3*	1238.1	1236.7	1243.0
22.5°	1189.1	*1228.5*	1205.7	1201.5	1205.7
25°	1153.2	*1191.2*	1167.0	1164.9	1165.6
27.5°	1113.8	*1150.4*	1128.3	1124.9	1122.8
30°	1073.1	*1107.6*	1084.8	1081.4	1079.3
32.5°	1030.3	*1062.0*	1039.9	1036.5	1031.7
35°	984.0	*1015.1*	993.7	990.9	983.3
37.5°	938.4	*966.1*	945.3	943.3	933.6
40°	890.1	*916.3*	896.3	892.9	884.6
42.5°	840.4	*865.9*	846.6	842.4	834.2
45°	791.4	*814.1*	796.2	792.0	783.1
47.5°	740.3	*762.3*	745.8	741.6	730.6
50°	689.8	*711.9*	694.0	690.5	680.2
52.5°	640.8	*659.5*	643.6	640.8	631.1
55°	590.4	*607.7*	593.9	591.8	582.1
57.5°	540.0	*555.2*	544.8	544.1	535.9
60°	489.6	*504.8*	496.5	496.5	488.9
62.5°	442.6	*454.4*	448.2	451.6	443.3
65°	392.2	*403.3*	401.2	406.0	399.1
67.5°	343.2	*354.9*	355.6	363.9	357.7
70°	294.2	*305.9*	311.4	320.4	316.3
72.5°	245.1	*257.6*	267.9	280.4	276.9
75°	198.2	*211.3*	225.1	241.7	240.3
77.5°	150.5	*167.1*	186.4	205.8	205.8
80°	107.7	*126.4*	149.8	172.6	174.0
82.5°	68.4	*89.1*	118.1	142.2	144.3
85°	35.2	*58.0*	90.5	114.6	118.1
87.5°	11.0	*33.8*	65.6	89.8	93.9
90°	0.0	*17.3*	46.3	69.1	73.9
92.5°	0.0	*8.3*	31.1	51.8	56.6
95°	0.7	*4.1*	20.0	38.0	42.1
97.5°	0.7	*2.1*	13.1	26.9	31.1
100°	0.7	*1.4*	9.0	19.3	22.8
102.5°	0.7	*0.7*	6.2	13.8	16.6
105°	0.7	*0.7*	4.8	10.4	12.4
107.5°	1.4	*0.7*	2.8	7.6	9.0
110°	1.4	*0.7*	1.4	5.5	6.9

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.4	*0.7*	0.7	3.5	4.8
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

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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	19.32	20.91	19.70	21.25	21.59	19.19	20.79	19.57	21.12	21.46
	3H	21.00	22.44	21.39	22.79	23.17	21.06	22.50	21.45	22.85	23.23
	4H	21.60	22.96	22.01	23.32	23.72	21.84	23.20	22.26	23.57	23.97
	6H	21.99	23.25	22.41	23.63	24.05	22.57	23.83	22.99	24.21	24.63
	8H	22.09	23.29	22.53	23.70	24.12	22.90	24.11	23.34	24.52	24.94
	12H	22.13	23.29	22.58	23.69	24.14	23.25	24.41	23.69	24.81	25.26
4H	2H	19.91	21.27	20.33	21.64	22.04	19.82	21.18	20.23	21.54	21.94
	3H	21.84	22.98	22.26	23.40	23.82	21.92	23.06	22.34	23.48	23.90
	4H	22.57	23.61	23.02	24.04	24.50	22.86	23.90	23.31	24.33	24.79
	6H	23.09	24.00	23.56	24.46	24.94	23.76	24.67	24.23	25.13	25.60
	8H	23.24	24.09	23.71	24.55	25.04	24.18	25.03	24.65	25.49	25.97
	12H	23.32	24.09	23.82	24.58	25.07	24.62	25.39	25.12	25.88	26.37
8H	4H	22.93	23.78	23.40	24.24	24.73	23.19	24.04	23.66	24.50	24.99
	6H	23.59	24.31	24.10	24.81	25.31	24.26	24.97	24.77	25.48	25.97
	8H	23.82	24.46	24.34	24.98	25.49	24.81	25.45	25.33	25.97	26.48
	12H	23.98	24.55	24.50	25.05	25.63	25.43	26.00	25.95	26.50	27.08
12H	4H	22.99	23.76	23.49	24.25	24.74	23.22	23.99	23.72	24.48	24.97
	6H	23.71	24.35	24.23	24.87	25.38	24.33	24.97	24.85	25.49	26.00
	8H	24.01	24.58	24.53	25.08	25.66	24.96	25.53	25.49	26.04	26.62

END OF REPORT