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: P1559198

Luminaire Tested: 2NWS3C5-4000-HIGH

Issue Date: 9/2/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P1559198
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2607-872-5)
Test Lab:	INNOVATION CENTER
Issue Date:	9/2/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	METALUX
Catalog Number:	2NWS3C5-4000-HIGH
Description:	2FT WRAP High Lumen 5 CCT SEL NUV 0-10V DIM 4000K
Light Source:	
Ballast/Driver:	-

Summary

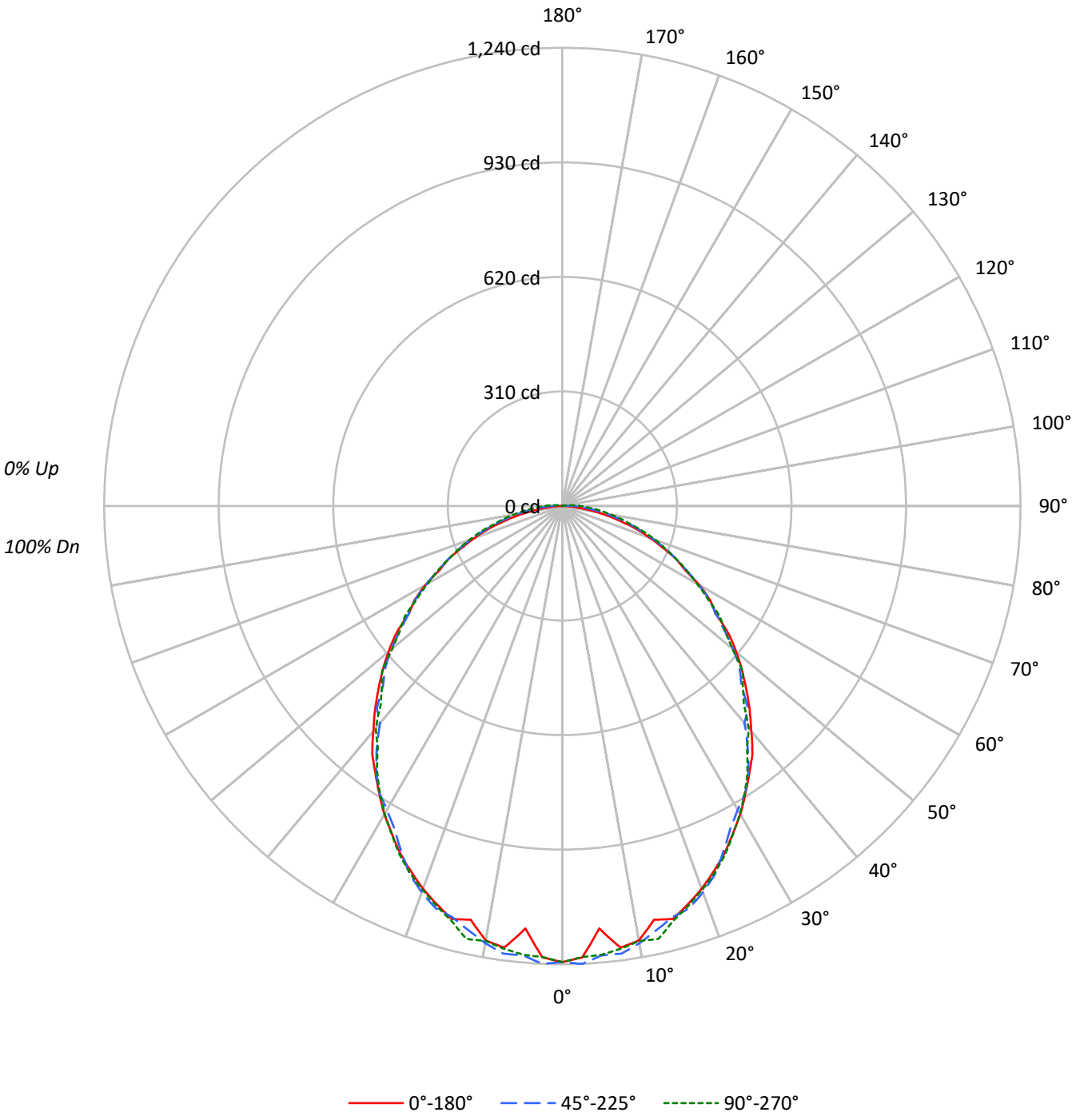
Lumens per Lamp:	N/A
Luminaire Lumens:	3089.7 lumens
Efficiency:	N/A
Efficacy:	141.1 lumens/watt
Spacing Criteria (0/90/45):	1.17 / 1.17 / 1.27
Luminous Opening:	Rectangular (W 0.33' x L: 2' x H: 0')
CIE Type:	Direct
Input Watts (W):	21.9
Input Voltage (V):	
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.9
Total Harmonic Distortion (THDi):	=20%
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	102	102	102	100
1	109	104	100	96	106	102	98	94	97	94	91	93	91	88	90	88	86	84
2	99	91	84	79	97	89	83	78	86	80	76	82	78	74	79	76	72	70
3	91	80	72	66	88	79	71	65	76	69	64	73	67	63	70	66	62	60
4	83	71	63	56	81	70	62	56	68	61	55	65	59	54	63	58	53	51
5	77	64	55	49	75	63	55	48	61	53	48	59	52	47	57	51	47	45
6	71	58	49	43	69	57	49	43	55	48	42	53	47	42	52	46	41	39
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	47	41	37	35
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	33	28	38	32	28	38	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	20129	20129	20129
5°	18789	19986	19952
10°	19773	19893	19792
15°	19535	19447	19604
20°	19133	19312	19187
25°	18672	18560	18745
30°	18145	17873	18105
35°	17562	17481	17399
40°	16940	16327	16721
45°	16240	15811	15931
50°	15591	15358	15226
55°	14370	14399	14780
60°	13967	13898	13732
65°	13109	13148	13109
70°	12026	12469	12760
75°	10637	11802	12067
80°	8697	11214	12379
85°	5969	12126	15400

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
Vertical Angle: 87.5°
Luminance: 23854 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.0	3.8
10°-20°	327.4	10.6
20°-30°	478.5	15.5
30°-40°	548.8	17.8
40°-50°	539.3	17.5
50°-60°	460.4	14.9
60°-70°	335.8	10.9
70°-80°	196.5	6.4
80°-90°	71.7	2.3
90°-100°	13.3	0.4
100°-110°	2.0	0.1
110°-120°	0.1	0.0
120°-130°	0.0	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°	921.9	29.8
0°-40°	1470.7	47.6
0°-60°	2470.4	80.0
0°-90°	3074.3	99.5
90°-120°	15.4	0.5
90°-150°	15.4	0.5
90°-180°	15.0	0.5
0°-180°	3089.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1234	1234	1234	1234	1234	
5°	1148	1221	1221	1243	1219	114
15°	1157	1160	1152	1174	1161	324
25°	1038	1036	1031	1047	1042	477
35°	882	884	878	879	874	552
45°	704	707	686	697	691	544
55°	505	524	506	508	520	462
65°	340	339	341	332	340	333
75°	169	178	187	192	192	181
85°	32	43	65	80	82	40
90°	1	11	29	42	47	2
95°	0	2	9	18	23	0
105°	0	0	1	3	4	0
115°	1	0	0	0	0	0
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°	1234.2	1234.2	1234.2	*1234.2*	1234.2
2.5°	*1222.9*	*1223.9*	*1240.4*	*1243.4*	*1221.8*
5°	1147.7	1220.8	1220.8	*1243.4*	1218.7
7.5°	1205.4	1209.5	1221.8	*1225.9*	1208.5
10°	1194.0	1197.1	1201.2	*1207.4*	1195.1
12.5°	1146.7	1210.5	1175.5	*1184.8*	1200.2
15°	1157.0	1160.1	1151.8	*1174.5*	1161.1
17.5°	1130.2	1122.0	1141.5	*1147.7*	1134.3
20°	1102.4	1107.6	1112.7	*1122.0*	1105.5
22.5°	1070.5	1071.5	1078.8	*1089.0*	1075.7
25°	1037.6	1035.5	1031.4	*1046.8*	1041.7
27.5°	999.5	1005.7	984.1	*1009.8*	1000.5
30°	963.5	968.6	949.1	*966.6*	961.4
32.5°	922.3	927.4	921.3	*921.3*	919.2
35°	882.1	884.2	878.0	*879.1*	873.9
37.5°	845.1	834.8	824.5	*831.7*	820.4
40°	795.7	807.0	766.9	*786.4*	785.4
42.5°	750.4	754.5	743.2	*739.1*	726.7
45°	704.1	707.2	685.5	*696.9*	690.7
47.5°	659.8	673.2	650.5	*645.4*	661.9
50°	614.5	615.5	605.3	*598.0*	600.1
52.5°	567.2	579.5	552.8	*552.8*	553.8
55°	505.4	523.9	506.4	*507.5*	519.8
57.5°	474.5	472.5	471.4	*463.2*	465.3
60°	428.2	433.4	426.1	*420.0*	421.0
62.5°	373.7	382.9	379.8	*377.8*	380.9
65°	339.7	338.7	340.7	*332.5*	339.7
67.5°	294.4	295.4	300.6	*292.3*	301.6
70°	252.2	259.4	261.5	*262.5*	267.6
72.5°	214.1	215.1	223.4	*226.5*	231.6
75°	168.8	178.1	187.3	*192.5*	191.5
77.5°	130.7	140.0	151.3	*160.6*	163.7
80°	92.6	105.0	119.4	*130.7*	131.8
82.5°	61.8	71.0	91.6	*106.0*	109.1
85°	31.9	43.2	64.8	*80.3*	82.3
87.5°	11.3	23.7	45.3	*59.7*	63.8
90°	1.0	11.3	28.8	*42.2*	47.3
92.5°	0.0	4.1	17.5	*28.8*	32.9
95°	0.0	2.1	9.3	*18.5*	22.6
97.5°	0.0	1.0	5.1	*12.4*	14.4
100°	0.0	0.0	3.1	*8.2*	9.3
102.5°	0.0	0.0	2.1	*5.1*	6.2
105°	0.0	0.0	1.0	*3.1*	4.1
107.5°	0.0	0.0	1.0	*2.1*	2.1
110°	0.0	0.0	0.0	*1.0*	1.0

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	0.0	0.0	*0.0*	0.0
115°	1.0	0.0	0.0	*0.0*	0.0
117.5°	0.0	0.0	0.0	*0.0*	0.0
120°	0.0	0.0	0.0	*0.0*	0.0
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	21.19	22.78	21.56	23.10	23.43	21.04	22.63	21.42	22.96	23.29
	3H	22.84	24.28	23.23	24.62	24.99	22.81	24.25	23.20	24.59	24.96
	4H	23.44	24.79	23.84	25.15	25.54	23.53	24.89	23.94	25.25	25.64
	6H	23.83	25.09	24.25	25.46	25.86	24.17	25.42	24.58	25.80	26.20
	8H	23.94	25.13	24.37	25.53	25.94	24.44	25.64	24.88	26.04	26.45
	12H	23.99	25.14	24.43	25.53	25.97	24.71	25.86	25.15	26.25	26.69
4H	2H	21.77	23.12	22.18	23.48	23.87	21.66	23.01	22.06	23.37	23.76
	3H	23.66	24.80	24.08	25.21	25.62	23.66	24.79	24.07	25.20	25.61
	4H	24.39	25.42	24.83	25.84	26.29	24.52	25.55	24.96	25.97	26.42
	6H	24.91	25.81	25.37	26.26	26.73	25.31	26.21	25.77	26.66	27.12
	8H	25.06	25.90	25.53	26.35	26.83	25.66	26.50	26.13	26.95	27.43
	12H	25.15	25.90	25.63	26.39	26.87	26.01	26.77	26.50	27.25	27.73
8H	4H	24.72	25.56	25.19	26.01	26.49	24.84	25.68	25.31	26.13	26.61
	6H	25.37	26.07	25.87	26.57	27.06	25.78	26.48	26.28	26.98	27.46
	8H	25.59	26.22	26.11	26.73	27.23	26.25	26.88	26.76	27.39	27.89
	12H	25.74	26.30	26.25	26.80	27.37	26.74	27.30	27.25	27.80	28.37
12H	4H	24.77	25.53	25.26	26.01	26.49	24.87	25.63	25.36	26.11	26.59
	6H	25.46	26.09	25.98	26.61	27.10	25.84	26.47	26.36	26.99	27.49
	8H	25.74	26.30	26.26	26.80	27.37	26.38	26.94	26.90	27.44	28.01

END OF REPORT