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: P1559200

Luminaire Tested: 2NWS3C5-5000-HIGH

Issue Date: 9/2/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P1559200
	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:	2NWS3C5-5000-HIGH
Description:	2FT WRAP High Lumen 5 CCT SEL NUV 0-10V DIM 5000K
Light Source:	
Ballast/Driver:	-

Summary

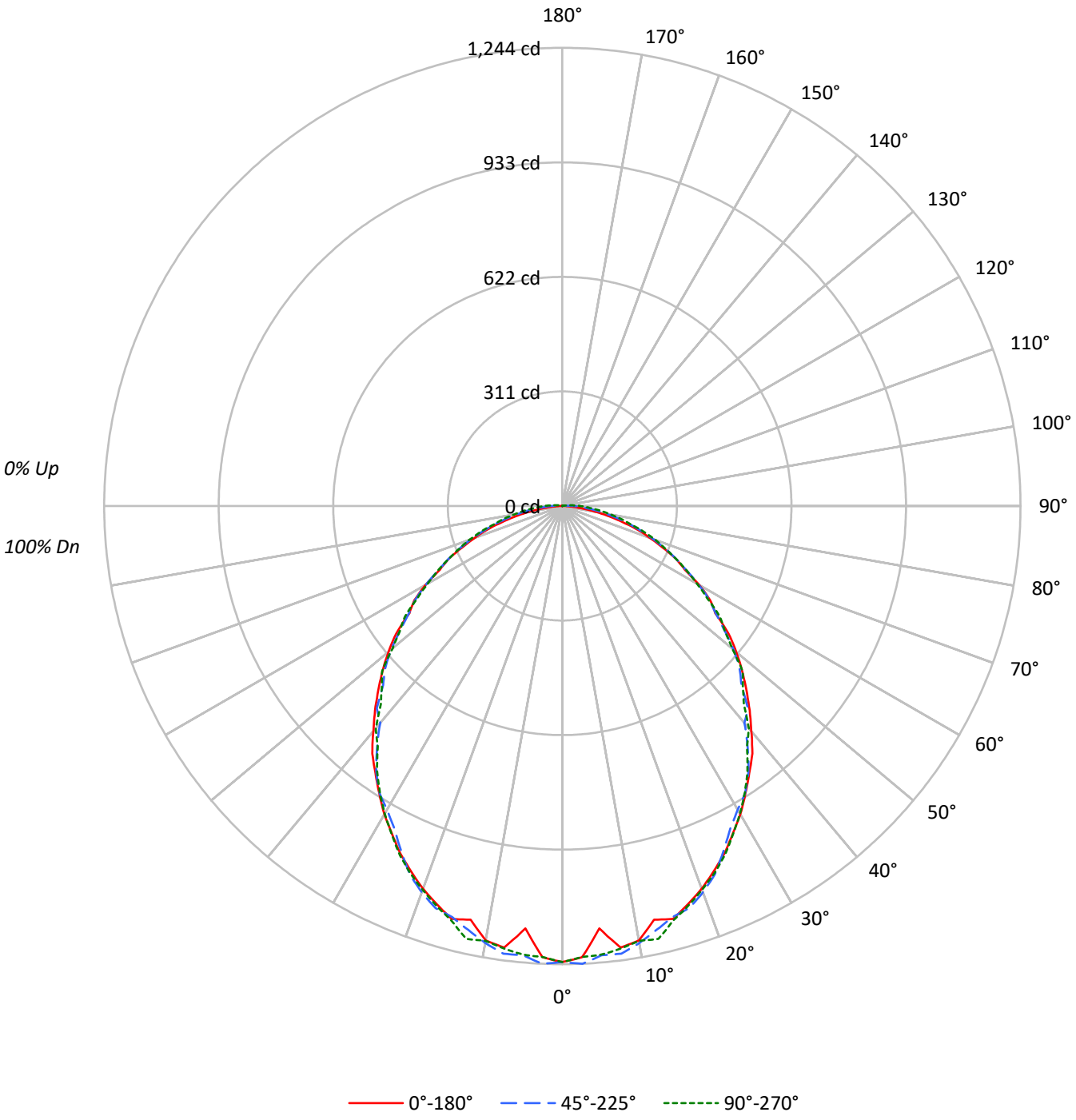
Lumens per Lamp:	N/A
Luminaire Lumens:	3099.4 lumens
Efficiency:	N/A
Efficacy:	139.6 lumens/watt
Spacing Criteria (0/90/45):	1.17 / 1.17 / 1.27
Luminous Opening:	Rectangular (W 0.33' x L: 2' x H: 0')
CIE Type:	Direct
Input Watts (W):	22.2
Input Voltage (V):	
Input Current (Ain):	NR
Voltage Rise (V):	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°	20192	20192	20192
5°	18848	20048	20016
10°	19836	19955	19853
15°	19596	19508	19665
20°	19194	19372	19247
25°	18729	18618	18805
30°	18201	17928	18162
35°	17618	17536	17455
40°	16994	16378	16774
45°	16290	15861	15981
50°	15639	15406	15274
55°	14416	14444	14825
60°	14013	13944	13775
65°	13148	13190	13148
70°	12064	12508	12803
75°	10668	11840	12105
80°	8725	11252	12416
85°	5988	12182	15456

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
Vertical Angle: 87.5°
Luminance: 23929 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.4	3.8
10°-20°	328.4	10.6
20°-30°	480.0	15.5
30°-40°	550.5	17.8
40°-50°	541.0	17.5
50°-60°	461.8	14.9
60°-70°	336.8	10.9
70°-80°	197.1	6.4
80°-90°	71.9	2.3
90°-100°	13.4	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°	924.8	29.8
0°-40°	1475.3	47.6
0°-60°	2478.1	80.0
0°-90°	3084.0	99.5
90°-120°	15.4	0.5
90°-150°	15.4	0.5
90°-180°	15.0	0.5
0°-180°	3099.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1238	1238	1238	1238	1238	
5°	1151	1225	1225	1247	1223	114
15°	1161	1164	1155	1178	1165	325
25°	1041	1039	1035	1050	1045	479
35°	885	887	881	882	877	554
45°	706	709	688	699	693	546
55°	507	526	508	509	521	464
65°	341	340	342	334	341	334
75°	169	179	188	193	192	181
85°	32	43	65	80	83	40
90°	1	11	29	42	48	2
95°	0	2	9	19	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°	1238.1	1238.1	1238.1	*1238.1*	1238.1
2.5°	*1226.7*	*1227.7*	*1244.2*	*1247.3*	*1225.7*
5°	1151.3	1224.6	1224.6	*1247.3*	1222.6
7.5°	1209.1	1213.3	1225.7	*1229.8*	1212.2
10°	1197.8	1200.9	1205.0	*1211.2*	1198.8
12.5°	1150.3	1214.3	1179.2	*1188.5*	1204.0
15°	1160.6	1163.7	1155.4	*1178.2*	1164.7
17.5°	1133.8	1125.5	1145.1	*1151.3*	1137.9
20°	1105.9	1111.0	1116.2	*1125.5*	1109.0
22.5°	1073.9	1074.9	1082.1	*1092.5*	1079.0
25°	1040.8	1038.8	1034.6	*1050.1*	1045.0
27.5°	1002.6	1008.8	987.1	*1013.0*	1003.7
30°	966.5	971.7	952.0	*969.6*	964.4
32.5°	925.2	930.3	924.2	*924.2*	922.1
35°	884.9	887.0	880.8	*881.8*	876.7
37.5°	847.7	837.4	827.1	*834.3*	823.0
40°	798.2	809.5	769.3	*788.9*	787.9
42.5°	752.7	756.9	745.5	*741.4*	729.0
45°	706.3	709.4	687.7	*699.1*	692.9
47.5°	661.9	675.3	652.6	*647.4*	663.9
50°	616.4	617.5	607.2	*599.9*	602.0
52.5°	568.9	581.3	554.5	*554.5*	555.5
55°	507.0	525.6	508.0	*509.1*	521.4
57.5°	476.0	474.0	472.9	*464.7*	466.7
60°	429.6	434.7	427.5	*421.3*	422.3
62.5°	374.8	384.1	381.0	*379.0*	382.1
65°	340.7	339.7	341.8	*333.5*	340.7
67.5°	295.3	296.3	301.5	*293.3*	302.5
70°	253.0	260.2	262.3	*263.3*	268.5
72.5°	214.8	215.8	224.1	*227.2*	232.3
75°	169.3	178.6	187.9	*193.1*	192.1
77.5°	131.1	140.4	151.8	*161.1*	164.2
80°	92.9	105.3	119.8	*131.1*	132.2
82.5°	62.0	71.2	91.9	*106.4*	109.5
85°	32.0	43.4	65.1	*80.5*	82.6
87.5°	11.4	23.7	45.4	*59.9*	64.0
90°	1.0	11.4	28.9	*42.3*	47.5
92.5°	0.0	4.1	17.6	*28.9*	33.0
95°	0.0	2.1	9.3	*18.6*	22.7
97.5°	0.0	1.0	5.2	*12.4*	14.5
100°	0.0	0.0	3.1	*8.3*	9.3
102.5°	0.0	0.0	2.1	*5.2*	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	21.20	22.79	21.57	23.11	23.44	21.05	22.65	21.43	22.97	23.30
	3H	22.85	24.29	23.24	24.63	25.00	22.82	24.26	23.21	24.60	24.97
	4H	23.45	24.80	23.85	25.16	25.55	23.55	24.90	23.95	25.26	25.65
	6H	23.84	25.10	24.26	25.47	25.87	24.18	25.43	24.60	25.81	26.21
	8H	23.95	25.14	24.38	25.54	25.96	24.45	25.65	24.89	26.05	26.46
	12H	24.00	25.15	24.44	25.54	25.98	24.72	25.87	25.16	26.26	26.70
4H	2H	21.78	23.14	22.19	23.49	23.88	21.67	23.02	22.08	23.38	23.77
	3H	23.67	24.81	24.09	25.22	25.63	23.67	24.80	24.09	25.21	25.62
	4H	24.40	25.43	24.84	25.85	26.30	24.53	25.56	24.97	25.99	26.43
	6H	24.92	25.82	25.38	26.27	26.74	25.32	26.22	25.78	26.67	27.14
	8H	25.07	25.91	25.54	26.36	26.84	25.67	26.51	26.14	26.96	27.44
	12H	25.16	25.91	25.64	26.40	26.88	26.02	26.78	26.51	27.26	27.74
8H	4H	24.73	25.57	25.20	26.02	26.50	24.85	25.69	25.32	26.14	26.62
	6H	25.38	26.08	25.88	26.58	27.07	25.79	26.49	26.29	26.99	27.47
	8H	25.60	26.23	26.12	26.75	27.24	26.26	26.89	26.77	27.40	27.90
	12H	25.75	26.31	26.26	26.81	27.38	26.75	27.31	27.27	27.81	28.38
12H	4H	24.78	25.54	25.27	26.02	26.50	24.88	25.64	25.37	26.12	26.60
	6H	25.47	26.10	25.99	26.62	27.12	25.85	26.48	26.37	27.00	27.50
	8H	25.75	26.31	26.27	26.81	27.39	26.40	26.95	26.91	27.45	28.03

END OF REPORT