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: P1559199

Luminaire Tested: 2NWS3C5-4500-HIGH

Issue Date: 9/2/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P1559199
	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:	2NWS3C5-4500-HIGH
Description:	2FT WRAP High Lumen 5 CCT SEL NUV 0-10V DIM 4500K
Light Source:	
Ballast/Driver:	-

Summary

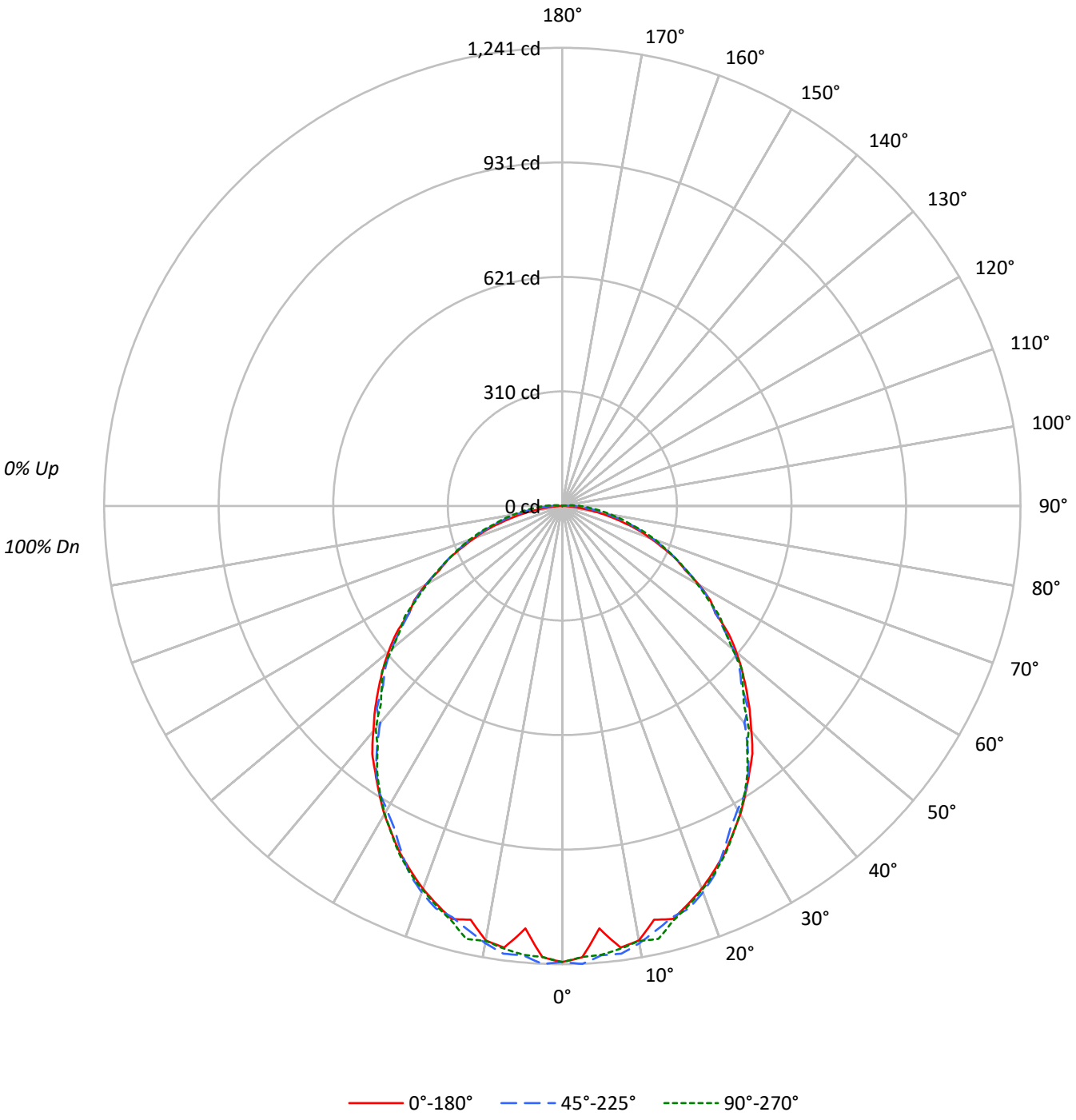
Lumens per Lamp:	N/A
Luminaire Lumens:	3092.0 lumens
Efficiency:	N/A
Efficacy:	139.9 lumens/watt
Spacing Criteria (0/90/45):	1.17 / 1.17 / 1.27
Luminous Opening:	Rectangular (W 0.33' x L: 2' x H: 0')
CIE Type:	Direct
Input Watts (W):	22.1
Input Voltage (V):	
Input Current (Ain):	NR
Voltage Rise (V):	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°	20143	20143	20143
5°	18804	20001	19968
10°	19788	19909	19806
15°	19550	19463	19620
20°	19148	19327	19202
25°	18686	18574	18760
30°	18158	17887	18118
35°	17576	17495	17413
40°	16953	16338	16734
45°	16251	15824	15942
50°	15604	15368	15239
55°	14382	14410	14791
60°	13977	13912	13742
65°	13117	13159	13117
70°	12035	12479	12770
75°	10643	11815	12073
80°	8706	11223	12388
85°	5969	12144	15419

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
Vertical Angle: 87.5°
Luminance: 23892 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.1	3.8
10°-20°	327.7	10.6
20°-30°	478.9	15.5
30°-40°	549.2	17.8
40°-50°	539.7	17.5
50°-60°	460.7	14.9
60°-70°	336.0	10.9
70°-80°	196.6	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°	922.6	29.8
0°-40°	1471.8	47.6
0°-60°	2472.3	80.0
0°-90°	3076.6	99.5
90°-120°	15.4	0.5
90°-150°	15.4	0.5
90°-180°	15.0	0.5
0°-180°	3092.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1235	1235	1235	1235	1235	
5°	1149	1222	1222	1244	1220	114
15°	1158	1161	1153	1175	1162	324
25°	1038	1036	1032	1048	1042	478
35°	883	885	879	880	875	553
45°	705	708	686	697	691	544
55°	506	524	507	508	520	463
65°	340	339	341	333	340	334
75°	169	178	188	193	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°	1235.1	1235.1	1235.1	*1235.1*	1235.1
2.5°	*1223.8*	*1224.8*	*1241.3*	*1244.4*	*1222.8*
5°	1148.6	1221.7	1221.7	*1244.4*	1219.7
7.5°	1206.3	1210.4	1222.8	*1226.9*	1209.4
10°	1194.9	1198.0	1202.2	*1208.3*	1196.0
12.5°	1147.6	1211.4	1176.4	*1185.7*	1201.1
15°	1157.9	1161.0	1152.7	*1175.4*	1162.0
17.5°	1131.1	1122.8	1142.4	*1148.6*	1135.2
20°	1103.3	1108.4	1113.6	*1122.8*	1106.4
22.5°	1071.3	1072.4	1079.6	*1089.9*	1076.5
25°	1038.4	1036.3	1032.2	*1047.6*	1042.5
27.5°	1000.3	1006.4	984.8	*1010.6*	1001.3
30°	964.2	969.3	949.8	*967.3*	962.1
32.5°	923.0	928.1	922.0	*922.0*	919.9
35°	882.8	884.9	878.7	*879.7*	874.6
37.5°	845.7	835.4	825.1	*832.3*	821.0
40°	796.3	807.6	767.4	*787.0*	786.0
42.5°	751.0	755.1	743.8	*739.6*	727.3
45°	704.6	707.7	686.1	*697.4*	691.2
47.5°	660.3	673.7	651.0	*645.9*	662.4
50°	615.0	616.0	605.7	*598.5*	600.6
52.5°	567.6	580.0	553.2	*553.2*	554.2
55°	505.8	524.3	506.8	*507.9*	520.2
57.5°	474.9	472.8	471.8	*463.6*	465.6
60°	428.5	433.7	426.5	*420.3*	421.3
62.5°	373.9	383.2	380.1	*378.1*	381.1
65°	339.9	338.9	341.0	*332.7*	339.9
67.5°	294.6	295.6	300.8	*292.6*	301.8
70°	252.4	259.6	261.7	*262.7*	267.8
72.5°	214.3	215.3	223.5	*226.6*	231.8
75°	168.9	178.2	187.5	*192.6*	191.6
77.5°	130.8	140.1	151.4	*160.7*	163.8
80°	92.7	105.1	119.5	*130.8*	131.9
82.5°	61.8	71.1	91.7	*106.1*	109.2
85°	31.9	43.3	64.9	*80.3*	82.4
87.5°	11.3	23.7	45.3	*59.7*	63.9
90°	1.0	11.3	28.8	*42.2*	47.4
92.5°	0.0	4.1	17.5	*28.8*	33.0
95°	0.0	2.1	9.3	*18.5*	22.7
97.5°	0.0	1.0	5.2	*12.4*	14.4
100°	0.0	0.0	3.1	*8.2*	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	21.19	22.78	21.56	23.10	23.43	21.05	22.64	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	23.85	25.15	25.54	23.54	24.89	23.94	25.25	25.64
	6H	23.83	25.09	24.25	25.46	25.87	24.17	25.42	24.59	25.80	26.20
	8H	23.94	25.14	24.37	25.54	25.95	24.45	25.64	24.88	26.04	26.46
	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	23.13	22.18	23.49	23.87	21.66	23.01	22.07	23.37	23.76
	3H	23.67	24.80	24.08	25.21	25.62	23.66	24.80	24.08	25.20	25.62
	4H	24.39	25.42	24.83	25.84	26.29	24.53	25.55	24.97	25.98	26.43
	6H	24.91	25.81	25.38	26.26	26.73	25.31	26.21	25.77	26.66	27.13
	8H	25.06	25.90	25.53	26.36	26.83	25.66	26.50	26.13	26.96	27.43
	12H	25.15	25.91	25.64	26.39	26.87	26.01	26.77	26.50	27.25	27.73
8H	4H	24.72	25.56	25.19	26.02	26.49	24.84	25.68	25.31	26.14	26.61
	6H	25.37	26.08	25.88	26.57	27.06	25.78	26.48	26.28	26.98	27.47
	8H	25.59	26.22	26.11	26.74	27.24	26.25	26.88	26.77	27.39	27.89
	12H	25.74	26.30	26.26	26.80	27.37	26.74	27.30	27.26	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	27.11	25.84	26.47	26.36	26.99	27.49
	8H	25.75	26.31	26.26	26.81	27.38	26.39	26.95	26.90	27.45	28.02

END OF REPORT