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: P1559209

Luminaire Tested: 2NWS3C5-4500-MID

Issue Date: 9/2/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P1559209
	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-MID
Description:	2FT WRAP Med Lumen 5 CCT SEL NUV 0-10V DIM 4500K
Light Source:	
Ballast/Driver:	-

Summary

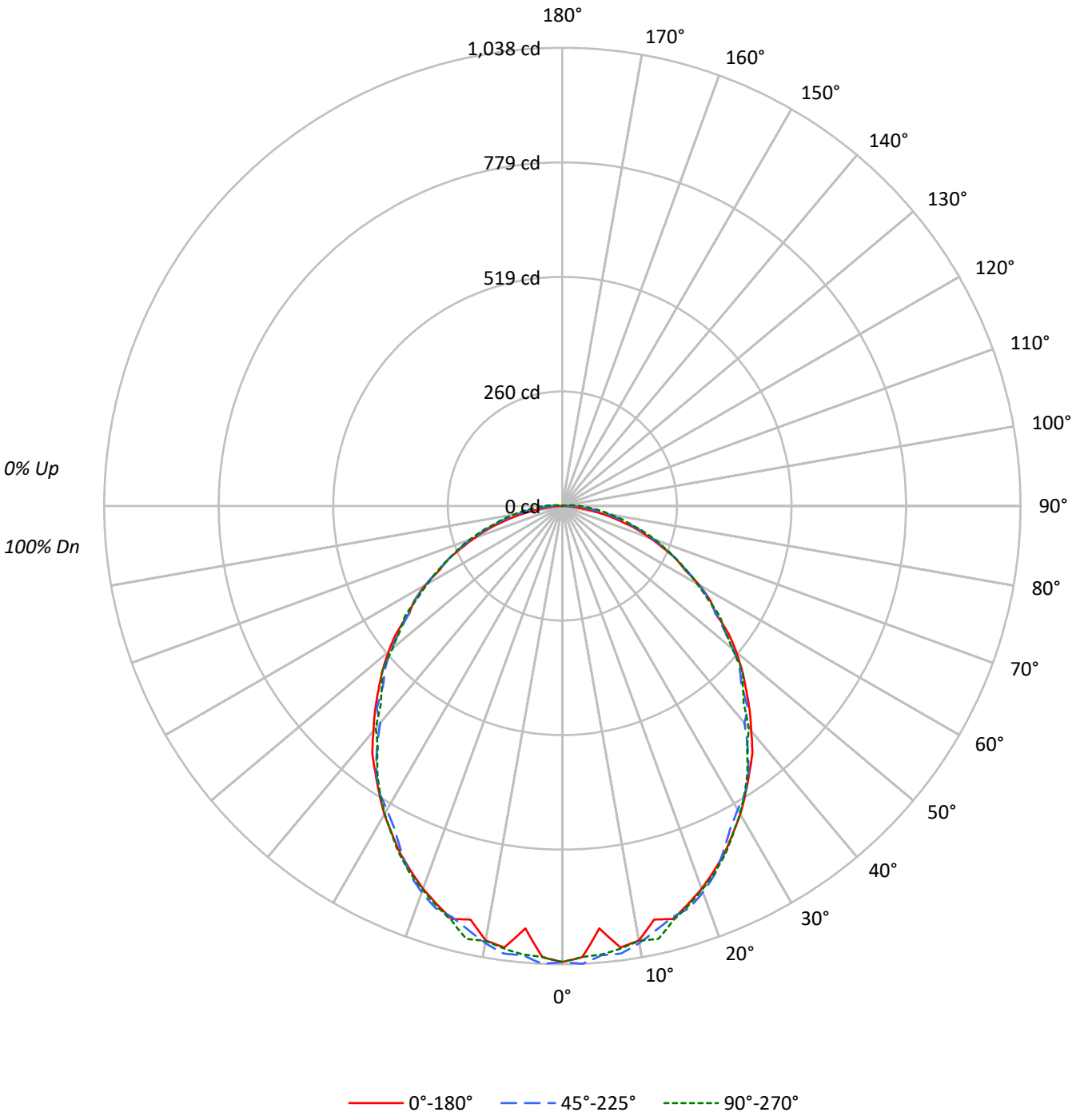
Lumens per Lamp:	N/A
Luminaire Lumens:	2585.8 lumens
Efficiency:	N/A
Efficacy:	142.9 lumens/watt
Spacing Criteria (0/90/45):	1.17 / 1.17 / 1.27
Luminous Opening:	Rectangular (W 0.33' x L: 2' x H: 0')
CIE Type:	Direct
Input Watts (W):	18.1
Input Voltage (V):	
Input Current (Ain):	NR
Voltage Rise (V):	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	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°	16846	16846	16846
5°	15725	16727	16699
10°	16549	16648	16564
15°	16349	16276	16406
20°	16012	16163	16057
25°	15627	15533	15688
30°	15184	14958	15152
35°	14699	14630	14562
40°	14177	13664	13994
45°	13590	13232	13331
50°	13049	12851	12742
55°	12028	12050	12369
60°	11690	11635	11491
65°	10971	11002	10971
70°	10066	10433	10681
75°	8904	9880	10095
80°	7279	9383	10359
85°	4996	10161	12893

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
Vertical Angle: 87.5°
Luminance: 19966 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.1	3.8
10°-20°	274.0	10.6
20°-30°	400.5	15.5
30°-40°	459.3	17.8
40°-50°	451.3	17.5
50°-60°	385.3	14.9
60°-70°	281.0	10.9
70°-80°	164.4	6.4
80°-90°	60.0	2.3
90°-100°	11.2	0.4
100°-110°	1.6	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°	771.6	29.8
0°-40°	1230.9	47.6
0°-60°	2067.5	80.0
0°-90°	2572.9	99.5
90°-120°	12.9	0.5
90°-150°	12.9	0.5
90°-180°	13.0	0.5
0°-180°	2585.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1033	1033	1033	1033	1033	
5°	960	1022	1022	1041	1020	95
15°	968	971	964	983	972	271
25°	868	867	863	876	872	399
35°	738	740	735	736	731	462
45°	589	592	574	583	578	455
55°	423	438	424	425	435	387
65°	284	283	285	278	284	279
75°	141	149	157	161	160	151
85°	27	36	54	67	69	33
90°	1	10	24	35	40	2
95°	0	2	8	16	19	0
105°	0	0	1	3	3	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°	1032.9	1032.9	1032.9	*1032.9*	1032.9
2.5°	*1023.4*	*1024.3*	*1038.1*	*1040.7*	*1022.6*
5°	960.5	1021.7	1021.7	*1040.7*	1020.0
7.5°	1008.8	1012.2	1022.6	*1026.0*	1011.4
10°	999.3	1001.9	1005.3	*1010.5*	1000.2
12.5°	959.7	1013.1	983.8	*991.6*	1004.5
15°	968.3	970.9	964.0	*982.9*	971.7
17.5°	945.9	939.0	955.4	*960.5*	949.3
20°	922.6	926.9	931.3	*939.0*	925.2
22.5°	895.9	896.8	902.8	*911.4*	900.2
25°	868.4	866.6	863.2	*876.1*	871.8
27.5°	836.5	841.7	823.6	*845.1*	837.4
30°	806.3	810.6	794.3	*808.9*	804.6
32.5°	771.9	776.2	771.0	*771.0*	769.3
35°	738.3	740.0	734.8	*735.7*	731.4
37.5°	707.3	698.7	690.0	*696.1*	686.6
40°	665.9	675.4	641.8	*658.2*	657.3
42.5°	628.0	631.5	622.0	*618.5*	608.2
45°	589.2	591.8	573.7	*583.2*	578.0
47.5°	552.2	563.4	544.5	*540.1*	553.9
50°	514.3	515.2	506.5	*500.5*	502.2
52.5°	474.7	485.0	462.6	*462.6*	463.5
55°	423.0	438.5	423.8	*424.7*	435.0
57.5°	397.1	395.4	394.6	*387.7*	389.4
60°	358.4	362.7	356.7	*351.5*	352.3
62.5°	312.7	320.5	317.9	*316.2*	318.7
65°	284.3	283.4	285.1	*278.3*	284.3
67.5°	246.4	247.2	251.6	*244.7*	252.4
70°	211.1	217.1	218.8	*219.7*	224.0
72.5°	179.2	180.0	186.9	*189.5*	193.8
75°	141.3	149.0	156.8	*161.1*	160.2
77.5°	109.4	117.2	126.6	*134.4*	137.0
80°	77.5	87.9	99.9	*109.4*	110.3
82.5°	51.7	59.4	76.7	*88.7*	91.3
85°	26.7	36.2	54.3	*67.2*	68.9
87.5°	9.5	19.8	37.9	*50.0*	53.4
90°	0.9	9.5	24.1	*35.3*	39.6
92.5°	0.0	3.4	14.6	*24.1*	27.6
95°	0.0	1.7	7.8	*15.5*	19.0
97.5°	0.0	0.9	4.3	*10.3*	12.1
100°	0.0	0.0	2.6	*6.9*	7.8
102.5°	0.0	0.0	1.7	*4.3*	5.2
105°	0.0	0.0	0.9	*2.6*	3.4
107.5°	0.0	0.0	0.9	*1.7*	1.7
110°	0.0	0.0	0.0	*0.9*	0.9

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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°	0.9	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	20.57	22.16	20.94	22.48	22.81	20.43	22.02	20.80	22.34	22.67
	3H	22.22	23.66	22.61	24.00	24.37	22.19	23.63	22.58	23.97	24.34
	4H	22.82	24.17	23.22	24.53	24.92	22.92	24.27	23.32	24.63	25.02
	6H	23.21	24.47	23.63	24.84	25.25	23.55	24.80	23.97	25.18	25.58
	8H	23.32	24.51	23.75	24.91	25.33	23.83	25.02	24.26	25.42	25.83
	12H	23.37	24.52	23.81	24.91	25.35	24.09	25.24	24.53	25.63	26.07
4H	2H	21.15	22.51	21.56	22.86	23.25	21.04	22.39	21.45	22.75	23.14
	3H	23.04	24.18	23.46	24.59	25.00	23.04	24.17	23.46	24.58	24.99
	4H	23.77	24.80	24.21	25.22	25.67	23.90	24.93	24.34	25.36	25.80
	6H	24.29	25.19	24.76	25.64	26.11	24.69	25.59	25.15	26.04	26.51
	8H	24.44	25.28	24.91	25.73	26.21	25.04	25.88	25.51	26.33	26.81
	12H	24.53	25.28	25.02	25.77	26.25	25.39	26.15	25.88	26.63	27.11
8H	4H	24.10	24.94	24.57	25.39	25.87	24.22	25.06	24.69	25.51	25.99
	6H	24.75	25.45	25.25	25.95	26.44	25.16	25.86	25.66	26.36	26.84
	8H	24.97	25.60	25.49	26.12	26.61	25.63	26.26	26.14	26.77	27.27
	12H	25.12	25.68	25.63	26.18	26.75	26.12	26.68	26.64	27.18	27.75
12H	4H	24.15	24.91	24.64	25.39	25.87	24.25	25.01	24.74	25.49	25.97
	6H	24.84	25.47	25.36	25.99	26.49	25.22	25.85	25.74	26.37	26.87
	8H	25.13	25.68	25.64	26.18	26.76	25.77	26.32	26.28	26.82	27.40

END OF REPORT