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: P1559213

Luminaire Tested: 4NWS3C5-4000-High

Issue Date: 9/2/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P1559213
	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:	4NWS3C5-4000-High
Description:	4ft WRAP High Lumen 5 CCT SEL NUV 0-10V DIM 4000K
Light Source:	
Ballast/Driver:	-

Summary

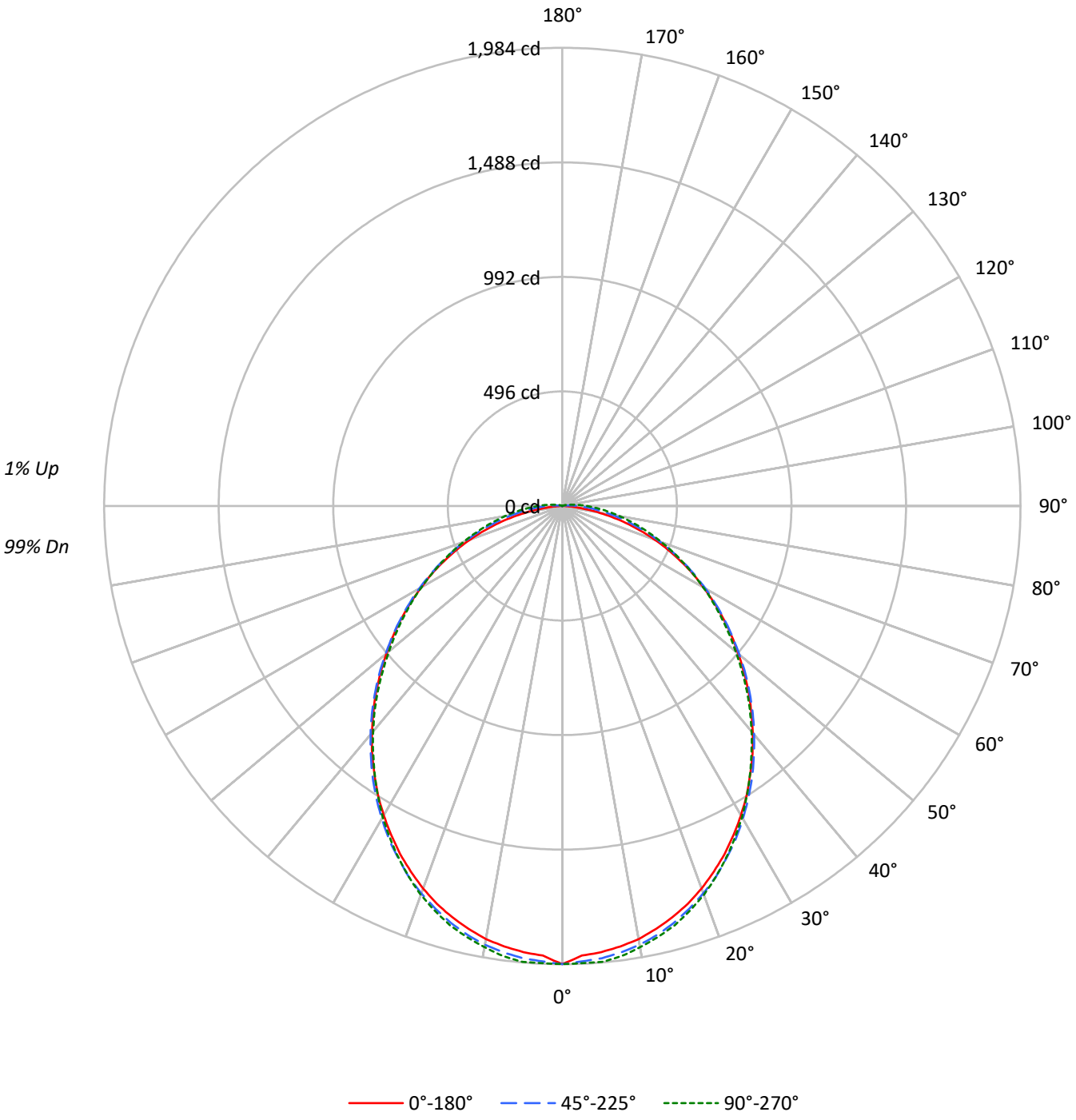
Lumens per Lamp:	N/A
Luminaire Lumens:	5148.1 lumens
Efficiency:	N/A
Efficacy:	135.5 lumens/watt
Spacing Criteria (0/90/45):	1.17 / 1.17 / 1.29
Luminous Opening:	Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type:	Direct
Input Watts (W):	38
Input Voltage (V):	
Input Current (Ain):	NR
Voltage Rise (V):	NR
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°	16175	16175	16175
5°	15870	16090	16221
10°	15765	15971	16062
15°	15561	15771	15864
20°	15296	15486	15546
25°	14955	15134	15116
30°	14563	14723	14648
35°	14119	14257	14109
40°	13656	13752	13571
45°	13154	13233	13015
50°	12614	12689	12436
55°	12099	12168	11928
60°	11508	11671	11491
65°	10908	11156	11100
70°	10109	10703	10867
75°	8998	10224	10914
80°	7293	10143	11778
85°	4753	12201	15924

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
Vertical Angle: 87.5°
Luminance: 25313 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	187.1	3.6
10°-20°	528.1	10.3
20°-30°	776.6	15.1
30°-40°	897.3	17.4
40°-50°	886.7	17.2
50°-60°	767.4	14.9
60°-70°	574.4	11.2
70°-80°	343.9	6.7
80°-90°	139.1	2.7
90°-100°	36.1	0.7
100°-110°	9.1	0.2
110°-120°	2.3	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°	1491.8	29.0
0°-40°	2389.0	46.4
0°-60°	4043.1	78.5
0°-90°	5100.5	99.1
90°-120°	47.5	0.9
90°-150°	47.6	0.9
90°-180°	48.0	0.9
0°-180°	5148.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1984	1984	1984	1984	1984	
5°	1939	2002	1966	1961	1982	184
15°	1843	1903	1868	1869	1879	519
25°	1662	1717	1682	1679	1680	765
35°	1418	1463	1432	1428	1417	887
45°	1141	1173	1148	1142	1129	879
55°	851	876	856	853	839	761
65°	565	581	578	585	575	560
75°	286	305	324	348	346	302
85°	51	84	130	165	170	64
90°	0	25	67	100	106	2
95°	1	6	29	55	61	1
105°	1	1	7	15	18	1
115°	2	1	2	3	4	2
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°	1983.6	*1983.6*	1983.6	1983.6	1983.6
2.5°	*1948.7*	*2010.4*	*1973.6*	*1969.6*	*1981.6*
5°	1938.8	*2002.5*	1965.6	1960.7	1981.6
7.5°	1923.8	*1987.5*	1949.7	1944.7	1965.6
10°	1903.9	*1965.6*	1928.8	1924.8	1939.8
12.5°	1875.1	*1938.8*	1901.9	1898.0	1911.9
15°	1843.2	*1902.9*	1868.1	1869.1	1879.1
17.5°	1806.4	*1863.1*	1828.3	1829.3	1837.3
20°	1762.6	*1819.3*	1784.5	1782.5	1791.5
22.5°	1713.8	*1770.6*	1737.7	1731.8	1737.7
25°	1662.1	*1716.8*	1682.0	1679.0	1680.0
27.5°	1605.4	*1658.1*	1626.3	1621.3	1618.3
30°	1546.6	*1596.4*	1563.6	1558.6	1555.6
32.5°	1484.9	*1530.7*	1498.9	1493.9	1486.9
35°	1418.3	*1463.0*	1432.2	1428.2	1417.3
37.5°	1352.6	*1392.4*	1362.5	1359.5	1345.6
40°	1282.9	*1320.7*	1291.9	1286.9	1274.9
42.5°	1211.2	*1248.1*	1220.2	1214.2	1202.3
45°	1140.6	*1173.4*	1147.5	1141.6	1128.6
47.5°	1066.9	*1098.8*	1074.9	1068.9	1053.0
50°	994.3	*1026.1*	1000.2	995.3	980.3
52.5°	923.6	*950.5*	927.6	923.6	909.7
55°	851.0	*875.8*	855.9	852.9	839.0
57.5°	778.3	*800.2*	785.3	784.3	772.3
60°	705.6	*727.5*	715.6	715.6	704.6
62.5°	638.0	*654.9*	645.9	650.9	639.0
65°	565.3	*581.2*	578.2	585.2	575.3
67.5°	494.6	*511.6*	512.6	524.5	515.5
70°	424.0	*440.9*	448.9	461.8	455.8
72.5°	353.3	*371.2*	386.2	404.1	399.1
75°	285.6	*304.6*	324.5	348.3	346.4
77.5°	217.0	*240.9*	268.7	296.6	296.6
80°	155.3	*182.1*	216.0	248.8	250.8
82.5°	98.5	*128.4*	170.2	205.0	208.0
85°	50.8	*83.6*	130.4	165.2	170.2
87.5°	15.9	*48.8*	94.6	129.4	135.4
90°	0.0	*24.9*	66.7	99.5	106.5
92.5°	0.0	*11.9*	44.8	74.6	81.6
95°	1.0	*6.0*	28.9	54.7	60.7
97.5°	1.0	*3.0*	18.9	38.8	44.8
100°	1.0	*2.0*	12.9	27.9	32.8
102.5°	1.0	*1.0*	9.0	19.9	23.9
105°	1.0	*1.0*	7.0	14.9	17.9
107.5°	2.0	*1.0*	4.0	10.9	12.9
110°	2.0	*1.0*	2.0	8.0	10.0

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.0	*1.0*	1.0	5.0	7.0
115°	2.0	*1.0*	2.0	3.0	4.0
117.5°	2.0	*1.0*	2.0	1.0	2.0
120°	2.0	*1.0*	1.0	1.0	1.0
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	20.59	22.18	20.97	22.52	22.86	20.47	22.06	20.85	22.40	22.73
	3H	22.27	23.71	22.66	24.06	24.44	22.33	23.77	22.72	24.12	24.50
	4H	22.87	24.23	23.28	24.59	24.99	23.11	24.47	23.53	24.84	25.24
	6H	23.26	24.52	23.68	24.90	25.32	23.84	25.10	24.26	25.48	25.90
	8H	23.36	24.56	23.80	24.97	25.39	24.17	25.38	24.61	25.79	26.21
	12H	23.40	24.56	23.85	24.96	25.41	24.52	25.68	24.96	26.08	26.53
4H	2H	21.18	22.54	21.60	22.91	23.31	21.09	22.45	21.50	22.81	23.21
	3H	23.11	24.25	23.53	24.67	25.09	23.19	24.33	23.61	24.75	25.17
	4H	23.84	24.88	24.29	25.31	25.77	24.13	25.17	24.58	25.60	26.06
	6H	24.36	25.27	24.83	25.73	26.21	25.03	25.94	25.50	26.40	26.87
	8H	24.51	25.36	24.98	25.82	26.31	25.45	26.30	25.92	26.76	27.24
	12H	24.59	25.36	25.09	25.85	26.34	25.89	26.66	26.39	27.15	27.64
8H	4H	24.20	25.05	24.67	25.51	26.00	24.46	25.31	24.93	25.77	26.26
	6H	24.86	25.58	25.37	26.08	26.58	25.53	26.24	26.04	26.75	27.24
	8H	25.09	25.73	25.61	26.25	26.76	26.08	26.72	26.61	27.24	27.75
	12H	25.25	25.82	25.77	26.32	26.90	26.70	27.27	27.22	27.77	28.35
12H	4H	24.26	25.03	24.76	25.52	26.01	24.49	25.26	24.99	25.75	26.24
	6H	24.98	25.62	25.50	26.14	26.65	25.60	26.24	26.12	26.76	27.27
	8H	25.28	25.85	25.80	26.35	26.93	26.23	26.80	26.76	27.31	27.89

END OF REPORT