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: P1559215

Luminaire Tested: 4NWS3C5-5000-High

Issue Date: 9/2/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P1559215
	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:	4NWS3C5-5000-High
Description:	4ft WRAP High Lumen 5 CCT SEL NUV 0-10V DIM 5000K
Light Source:	
Ballast/Driver:	-

Summary

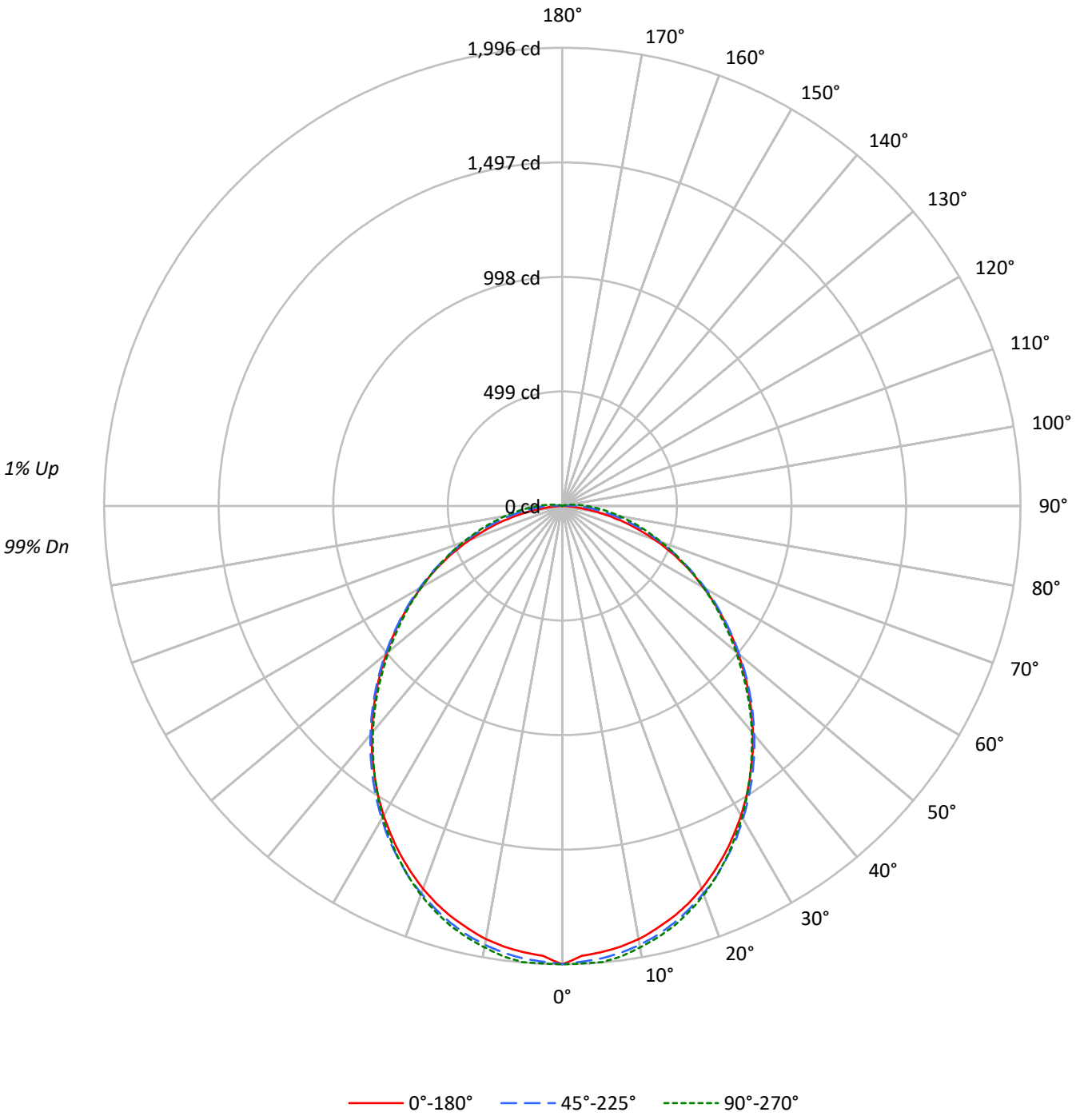
Lumens per Lamp:	N/A
Luminaire Lumens:	5181.4 lumens
Efficiency:	N/A
Efficacy:	134.6 lumens/watt
Spacing Criteria (0/90/45):	1.17 / 1.17 / 1.29
Luminous Opening:	Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type:	Direct
Input Watts (W):	38.5
Input Voltage (V):	
Input Current (Ain):	NR
Voltage Rise (V):	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°	16280	16280	16280
5°	15973	16194	16325
10°	15867	16075	16166
15°	15662	15873	15967
20°	15395	15586	15647
25°	15052	15232	15214
30°	14658	14818	14743
35°	14210	14350	14200
40°	13745	13841	13660
45°	13239	13320	13101
50°	12695	12771	12517
55°	12177	12248	12006
60°	11583	11746	11566
65°	10979	11230	11172
70°	10173	10772	10939
75°	9058	10290	10983
80°	7340	10209	11853
85°	4781	12275	16027

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
Vertical Angle: 87.5°
Luminance: 25462 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	188.3	3.6
10°-20°	531.6	10.3
20°-30°	781.6	15.1
30°-40°	903.1	17.4
40°-50°	892.4	17.2
50°-60°	772.4	14.9
60°-70°	578.2	11.2
70°-80°	346.1	6.7
80°-90°	139.9	2.7
90°-100°	36.3	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°	1501.5	29.0
0°-40°	2404.6	46.4
0°-60°	4069.4	78.5
0°-90°	5133.6	99.1
90°-120°	47.7	0.9
90°-150°	47.9	0.9
90°-180°	48.0	0.9
0°-180°	5181.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1996	1996	1996	1996	1996	
5°	1951	2016	1978	1973	1994	185
15°	1855	1915	1880	1881	1891	523
25°	1673	1728	1693	1690	1691	770
35°	1428	1472	1442	1438	1426	893
45°	1148	1181	1155	1149	1136	885
55°	856	882	862	858	844	766
65°	569	585	582	589	579	563
75°	288	306	327	351	349	304
85°	51	84	131	166	171	64
90°	0	25	67	100	107	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°	1996.4	*1996.4*	1996.4	1996.4	1996.4
2.5°	*1961.4*	*2023.5*	*1986.4*	*1982.4*	*1994.4*
5°	1951.4	*2015.5*	1978.4	1973.4	1994.4
7.5°	1936.3	*2000.4*	1962.4	1957.4	1978.4
10°	1916.3	*1978.4*	1941.3	1937.3	1952.4
12.5°	1887.2	*1951.4*	1914.3	1910.3	1924.3
15°	1855.2	*1915.3*	1880.2	1881.2	1891.3
17.5°	1818.1	*1875.2*	1840.2	1841.2	1849.2
20°	1774.1	*1831.2*	1796.1	1794.1	1803.1
22.5°	1725.0	*1782.1*	1749.0	1743.0	1749.0
25°	1672.9	*1728.0*	1692.9	1689.9	1690.9
27.5°	1615.8	*1668.9*	1636.8	1631.8	1628.8
30°	1556.7	*1606.8*	1573.7	1568.7	1565.7
32.5°	1494.6	*1540.7*	1508.6	1503.6	1496.6
35°	1427.5	*1472.5*	1441.5	1437.5	1426.5
37.5°	1361.3	*1401.4*	1371.4	1368.4	1354.3
40°	1291.2	*1329.3*	1300.2	1295.2	1283.2
42.5°	1219.1	*1256.2*	1228.1	1222.1	1210.1
45°	1148.0	*1181.0*	1155.0	1149.0	1136.0
47.5°	1073.8	*1105.9*	1081.9	1075.9	1059.8
50°	1000.7	*1032.8*	1006.7	1001.7	986.7
52.5°	929.6	*956.6*	933.6	929.6	915.6
55°	856.5	*881.5*	861.5	858.5	844.5
57.5°	783.3	*805.4*	790.4	789.4	777.3
60°	710.2	*732.3*	720.2	720.2	709.2
62.5°	642.1	*659.1*	650.1	655.1	643.1
65°	569.0	*585.0*	582.0	589.0	579.0
67.5°	497.9	*514.9*	515.9	527.9	518.9
70°	426.7	*443.8*	451.8	464.8	458.8
72.5°	355.6	*373.6*	388.7	406.7	401.7
75°	287.5	*306.5*	326.6	350.6	348.6
77.5°	218.4	*242.4*	270.5	298.5	298.5
80°	156.3	*183.3*	217.4	250.4	252.4
82.5°	99.2	*129.2*	171.3	206.4	209.4
85°	51.1	*84.1*	131.2	166.3	171.3
87.5°	16.0	*49.1*	95.2	130.2	136.2
90°	0.0	*25.0*	67.1	100.2	107.2
92.5°	0.0	*12.0*	45.1	75.1	82.1
95°	1.0	*6.0*	29.0	55.1	61.1
97.5°	1.0	*3.0*	19.0	39.1	45.1
100°	1.0	*2.0*	13.0	28.0	33.1
102.5°	1.0	*1.0*	9.0	20.0	24.0
105°	1.0	*1.0*	7.0	15.0	18.0
107.5°	2.0	*1.0*	4.0	11.0	13.0
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	20.61	22.21	20.99	22.54	22.88	20.49	22.08	20.87	22.42	22.76
	3H	22.29	23.74	22.69	24.08	24.47	22.35	23.79	22.74	24.14	24.52
	4H	22.89	24.25	23.30	24.62	25.02	23.14	24.50	23.55	24.86	25.26
	6H	23.28	24.54	23.70	24.92	25.34	23.86	25.12	24.29	25.51	25.92
	8H	23.38	24.58	23.82	24.99	25.41	24.19	25.40	24.63	25.81	26.23
	12H	23.43	24.58	23.87	24.98	25.43	24.54	25.70	24.99	26.10	26.55
4H	2H	21.21	22.57	21.62	22.93	23.33	21.11	22.47	21.52	22.84	23.24
	3H	23.13	24.28	23.56	24.69	25.11	23.21	24.36	23.64	24.77	25.19
	4H	23.86	24.90	24.31	25.33	25.79	24.16	25.19	24.60	25.62	26.08
	6H	24.39	25.29	24.85	25.75	26.23	25.05	25.96	25.52	26.42	26.90
	8H	24.53	25.38	25.01	25.84	26.33	25.47	26.32	25.94	26.78	27.27
	12H	24.62	25.38	25.11	25.87	26.37	25.91	26.68	26.41	27.17	27.66
8H	4H	24.22	25.07	24.70	25.53	26.02	24.48	25.33	24.96	25.79	26.28
	6H	24.89	25.60	25.39	26.10	26.60	25.55	26.26	26.06	26.77	27.26
	8H	25.11	25.75	25.64	26.27	26.78	26.10	26.74	26.63	27.27	27.77
	12H	25.27	25.84	25.79	26.35	26.93	26.72	27.29	27.24	27.80	28.38
12H	4H	24.29	25.05	24.78	25.55	26.04	24.52	25.28	25.01	25.77	26.26
	6H	25.00	25.64	25.52	26.16	26.67	25.62	26.26	26.14	26.78	27.29
	8H	25.30	25.87	25.82	26.38	26.96	26.26	26.82	26.78	27.33	27.91

END OF REPORT