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: P1559211

Luminaire Tested: 4NWS3C5-3000-High

Issue Date: 9/2/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P1559211
	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:	4NWS3C5-3000-High
Description:	4ft WRAP High Lumen 5 CCT SEL NUV 0-10V DIM 3000K
Light Source:	
Ballast/Driver:	-

Summary

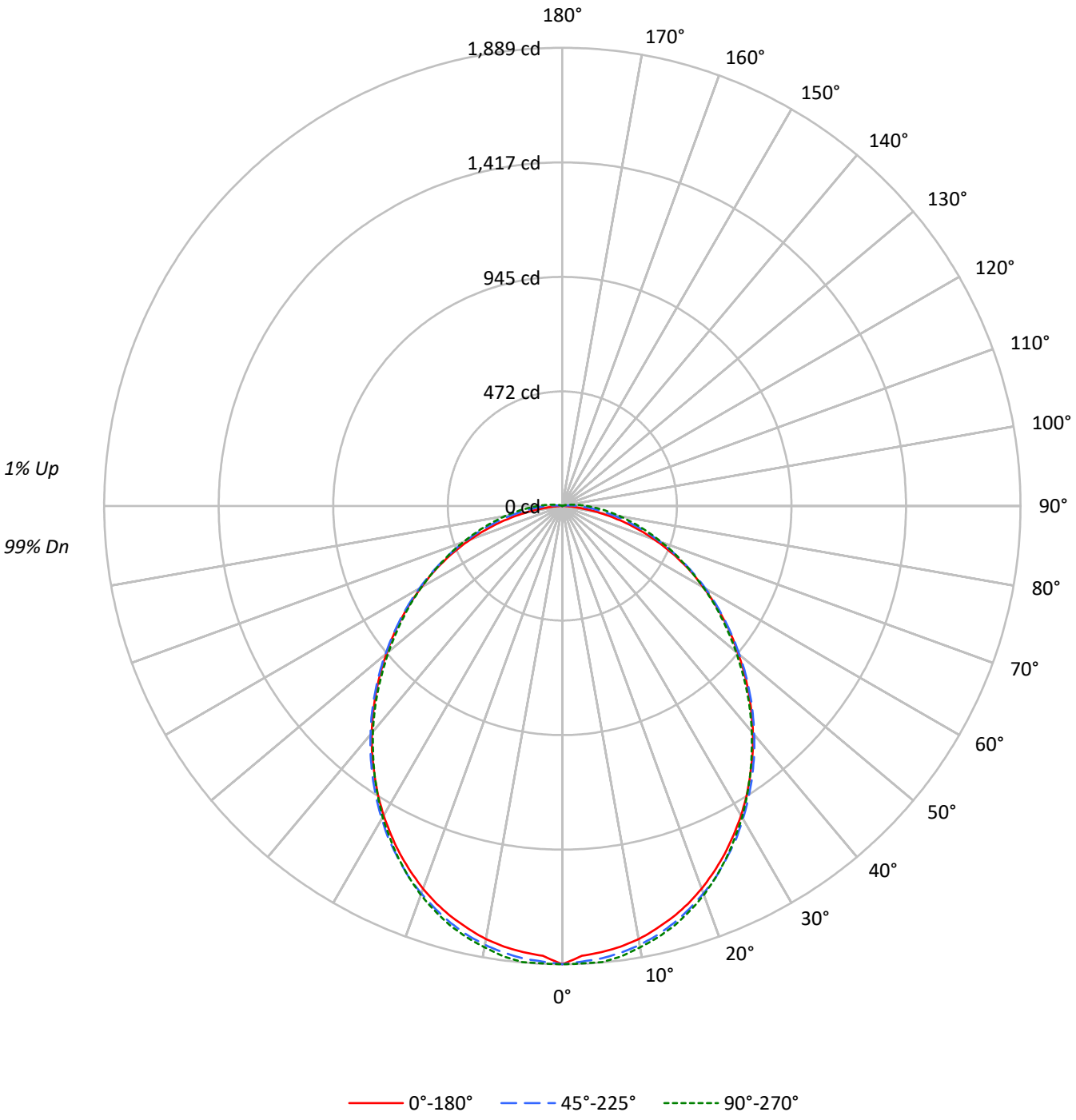
Lumens per Lamp:	N/A
Luminaire Lumens:	4903.5 lumens
Efficiency:	N/A
Efficacy:	127.0 lumens/watt
Spacing Criteria (0/90/45):	1.17 / 1.17 / 1.29
Luminous Opening:	Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type:	Direct
Input Watts (W):	38.6
Input Voltage (V):	
Input Current (Ain):	NR
Voltage Rise (V):	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°	15406	15406	15406
5°	15116	15326	15450
10°	15016	15213	15299
15°	14822	15022	15110
20°	14569	14751	14808
25°	14244	14415	14398
30°	13872	14023	13952
35°	13448	13580	13438
40°	13008	13099	12927
45°	12529	12605	12397
50°	12014	12086	11846
55°	11523	11591	11362
60°	10961	11116	10947
65°	10390	10628	10572
70°	9627	10193	10352
75°	8573	9736	10394
80°	6945	9660	11219
85°	4519	11620	15166

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
Vertical Angle: 87.5°
Luminance: 24097 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	178.2	3.6
10°-20°	503.1	10.3
20°-30°	739.7	15.1
30°-40°	854.7	17.4
40°-50°	844.6	17.2
50°-60°	730.9	14.9
60°-70°	547.2	11.2
70°-80°	327.5	6.7
80°-90°	132.4	2.7
90°-100°	34.4	0.7
100°-110°	8.6	0.2
110°-120°	2.2	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°	1420.9	29.0
0°-40°	2275.6	46.4
0°-60°	3851.1	78.5
0°-90°	4858.2	99.1
90°-120°	45.1	0.9
90°-150°	45.3	0.9
90°-180°	45.0	0.9
0°-180°	4903.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1889	1889	1889	1889	1889	
5°	1847	1907	1872	1868	1888	175
15°	1756	1813	1779	1780	1790	495
25°	1583	1635	1602	1599	1600	729
35°	1351	1394	1364	1360	1350	845
45°	1086	1118	1093	1087	1075	838
55°	810	834	815	812	799	725
65°	538	554	551	557	548	533
75°	272	290	309	332	330	288
85°	48	80	124	157	162	61
90°	0	24	64	95	101	2
95°	1	6	28	52	58	1
105°	1	1	7	14	17	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°	1889.3	*1889.3*	1889.3	1889.3	1889.3
2.5°	*1856.2*	*1914.9*	*1879.9*	*1876.1*	*1887.5*
5°	1846.7	*1907.4*	1872.3	1867.5	1887.5
7.5°	1832.5	*1893.1*	1857.1	1852.4	1872.3
10°	1813.5	*1872.3*	1837.2	1833.4	1847.6
12.5°	1786.0	*1846.7*	1811.6	1807.8	1821.1
15°	1755.7	*1812.6*	1779.4	1780.3	1789.8
17.5°	1720.6	*1774.6*	1741.5	1742.4	1750.0
20°	1678.9	*1732.9*	1699.8	1697.9	1706.4
22.5°	1632.4	*1686.5*	1655.2	1649.5	1655.2
25°	1583.1	*1635.3*	1602.1	1599.3	1600.2
27.5°	1529.1	*1579.4*	1549.0	1544.3	1541.4
30°	1473.2	*1520.6*	1489.3	1484.6	1481.7
32.5°	1414.4	*1458.0*	1427.7	1422.9	1416.3
35°	1350.9	*1393.5*	1364.2	1360.4	1349.9
37.5°	1288.3	*1326.2*	1297.8	1295.0	1281.7
40°	1222.0	*1258.0*	1230.5	1225.8	1214.4
42.5°	1153.7	*1188.8*	1162.2	1156.6	1145.2
45°	1086.4	*1117.7*	1093.0	1087.3	1075.0
47.5°	1016.2	*1046.6*	1023.8	1018.1	1003.0
50°	947.0	*977.4*	952.7	948.0	933.8
52.5°	879.7	*905.3*	883.5	879.7	866.5
55°	810.5	*834.2*	815.3	812.4	799.2
57.5°	741.3	*762.2*	748.0	747.0	735.6
60°	672.1	*693.0*	681.6	681.6	671.2
62.5°	607.7	*623.8*	615.2	620.0	608.6
65°	538.5	*553.6*	550.8	557.4	547.9
67.5°	471.2	*487.3*	488.2	499.6	491.1
70°	403.8	*420.0*	427.5	439.9	434.2
72.5°	336.5	*353.6*	367.8	384.9	380.1
75°	272.1	*290.1*	309.0	331.8	329.9
77.5°	206.7	*229.4*	256.0	282.5	282.5
80°	147.9	*173.5*	205.7	237.0	238.9
82.5°	93.9	*122.3*	162.1	195.3	198.1
85°	48.3	*79.6*	124.2	157.4	162.1
87.5°	15.2	*46.5*	90.1	123.2	128.9
90°	0.0	*23.7*	63.5	94.8	101.4
92.5°	0.0	*11.4*	42.7	71.1	77.7
95°	0.9	*5.7*	27.5	52.1	57.8
97.5°	0.9	*2.8*	18.0	37.0	42.7
100°	0.9	*1.9*	12.3	26.5	31.3
102.5°	0.9	*0.9*	8.5	19.0	22.8
105°	0.9	*0.9*	6.6	14.2	17.1
107.5°	1.9	*0.9*	3.8	10.4	12.3
110°	1.9	*0.9*	1.9	7.6	9.5

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	0°	22.5°	45°	67.5°	90°
112.5°	1.9	*0.9*	0.9	4.7	6.6
115°	1.9	*0.9*	1.9	2.8	3.8
117.5°	1.9	*0.9*	1.9	0.9	1.9
120°	1.9	*0.9*	0.9	0.9	0.9
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	20.42	22.01	20.80	22.35	22.69	20.30	21.89	20.68	22.23	22.56
	3H	22.10	23.55	22.49	23.89	24.28	22.16	23.60	22.55	23.95	24.33
	4H	22.70	24.06	23.11	24.43	24.82	22.94	24.31	23.36	24.67	25.07
	6H	23.09	24.35	23.51	24.73	25.15	23.67	24.93	24.09	25.31	25.73
	8H	23.19	24.39	23.63	24.80	25.22	24.00	25.21	24.44	25.62	26.04
	12H	23.23	24.39	23.68	24.79	25.24	24.35	25.51	24.80	25.91	26.36
4H	2H	21.01	22.38	21.43	22.74	23.14	20.92	22.28	21.33	22.65	23.04
	3H	22.94	24.08	23.36	24.50	24.92	23.02	24.16	23.45	24.58	25.00
	4H	23.67	24.71	24.12	25.14	25.60	23.96	25.00	24.41	25.43	25.89
	6H	24.19	25.10	24.66	25.56	26.04	24.86	25.77	25.33	26.23	26.70
	8H	24.34	25.19	24.81	25.65	26.14	25.28	26.13	25.75	26.59	27.08
	12H	24.42	25.19	24.92	25.68	26.17	25.72	26.49	26.22	26.98	27.47
8H	4H	24.03	24.88	24.50	25.34	25.83	24.29	25.14	24.77	25.60	26.09
	6H	24.70	25.41	25.20	25.91	26.41	25.36	26.07	25.87	26.58	27.07
	8H	24.92	25.56	25.44	26.08	26.59	25.91	26.55	26.44	27.07	27.58
	12H	25.08	25.65	25.60	26.15	26.74	26.53	27.10	27.05	27.60	28.19
12H	4H	24.10	24.86	24.59	25.35	25.84	24.32	25.09	24.82	25.58	26.07
	6H	24.81	25.45	25.33	25.97	26.48	25.43	26.07	25.95	26.59	27.10
	8H	25.11	25.68	25.63	26.18	26.77	26.07	26.63	26.59	27.14	27.72

END OF REPORT