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: P1559212

Luminaire Tested: 4NWS3C5-3500-High

Issue Date: 9/2/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P1559212
	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:	4NWS3C5-3500-High
Description:	4ft WRAP High Lumen 5 CCT SEL NUV 0-10V DIM 3500K
Light Source:	
Ballast/Driver:	-

Summary

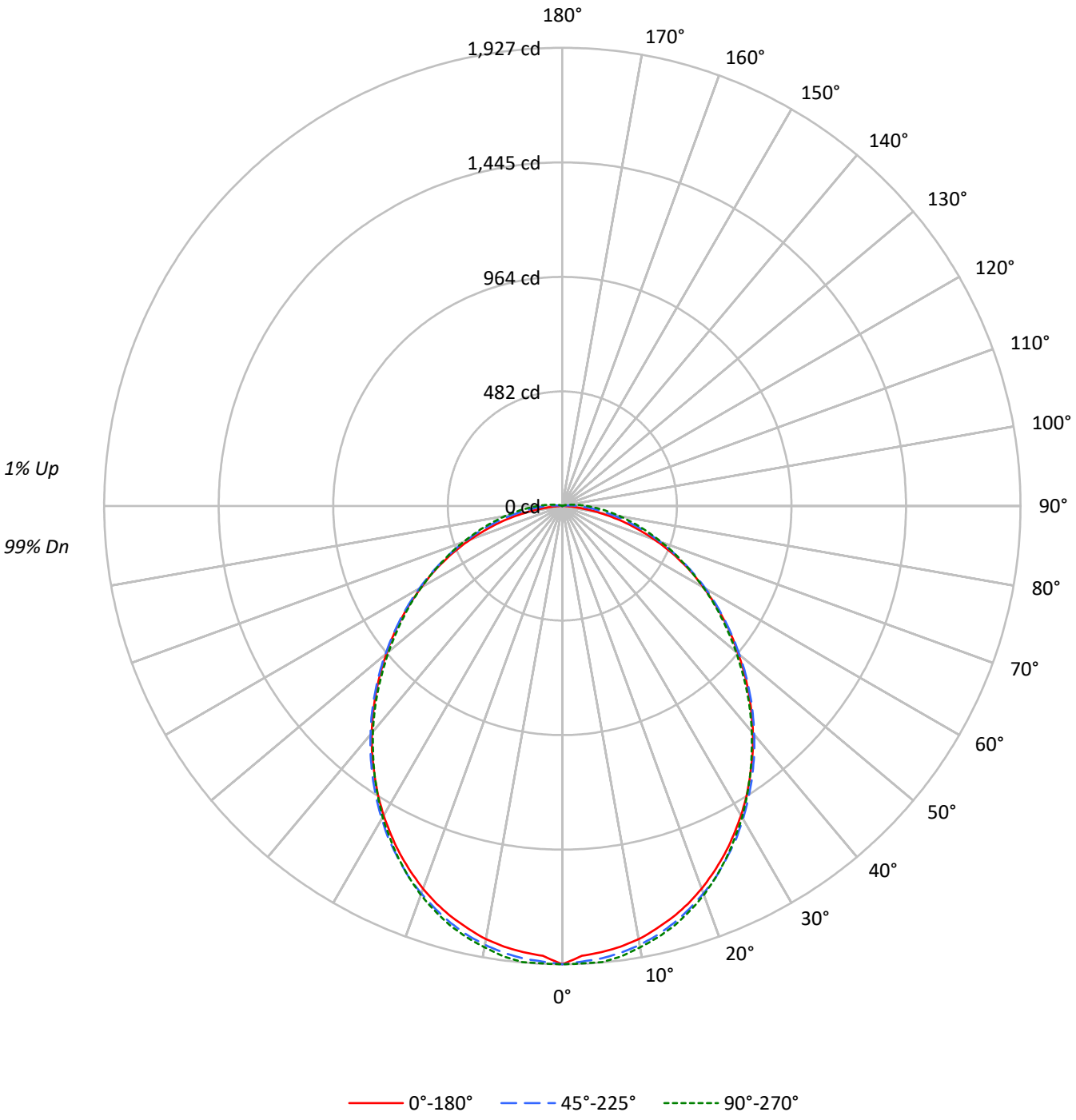
Lumens per Lamp:	N/A
Luminaire Lumens:	5002.2 lumens
Efficiency:	N/A
Efficacy:	130.9 lumens/watt
Spacing Criteria (0/90/45):	1.17 / 1.17 / 1.29
Luminous Opening:	Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type:	Direct
Input Watts (W):	38.2
Input Voltage (V):	
Input Current (Ain):	NR
Voltage Rise (V):	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°	15717	15717	15717
5°	15421	15635	15761
10°	15319	15519	15607
15°	15120	15324	15414
20°	14862	15047	15105
25°	14531	14705	14687
30°	14150	14306	14232
35°	13719	13853	13709
40°	13270	13363	13187
45°	12781	12858	12647
50°	12256	12330	12085
55°	11755	11824	11590
60°	11183	11340	11167
65°	10599	10842	10786
70°	9823	10398	10560
75°	8743	9934	10602
80°	7086	9857	11444
85°	4613	11854	15475

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
Vertical Angle: 87.5°
Luminance: 24583 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	181.8	3.6
10°-20°	513.2	10.3
20°-30°	754.6	15.1
30°-40°	871.8	17.4
40°-50°	861.6	17.2
50°-60°	745.6	14.9
60°-70°	558.2	11.2
70°-80°	334.1	6.7
80°-90°	135.1	2.7
90°-100°	35.1	0.7
100°-110°	8.8	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°	1449.5	29.0
0°-40°	2321.4	46.4
0°-60°	3928.6	78.5
0°-90°	4956.0	99.1
90°-120°	46.1	0.9
90°-150°	46.2	0.9
90°-180°	46.0	0.9
0°-180°	5002.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1927	1927	1927	1927	1927	
5°	1884	1946	1910	1905	1925	179
15°	1791	1849	1815	1816	1826	505
25°	1615	1668	1634	1631	1632	743
35°	1378	1422	1392	1388	1377	862
45°	1108	1140	1115	1109	1097	854
55°	827	851	832	829	815	739
65°	549	565	562	569	559	544
75°	278	296	315	338	336	293
85°	49	81	127	160	165	62
90°	0	24	65	97	104	2
95°	1	6	28	53	59	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°	1927.4	*1927.4*	1927.4	1927.4	1927.4
2.5°	*1893.5*	*1953.5*	*1917.7*	*1913.8*	*1925.4*
5°	1883.9	*1945.7*	1910.0	1905.1	1925.4
7.5°	1869.3	*1931.2*	1894.5	1889.7	1910.0
10°	1850.0	*1910.0*	1874.2	1870.3	1884.8
12.5°	1822.0	*1883.9*	1848.1	1844.2	1857.7
15°	1791.0	*1849.0*	1815.2	1816.2	1825.8
17.5°	1755.2	*1810.4*	1776.5	1777.5	1785.2
20°	1712.7	*1767.8*	1734.0	1732.0	1740.7
22.5°	1665.3	*1720.4*	1688.5	1682.7	1688.5
25°	1615.0	*1668.2*	1634.4	1631.4	1632.4
27.5°	1559.9	*1611.1*	1580.2	1575.4	1572.5
30°	1502.8	*1551.2*	1519.3	1514.4	1511.5
32.5°	1442.9	*1487.4*	1456.4	1451.6	1444.8
35°	1378.1	*1421.6*	1391.6	1387.7	1377.1
37.5°	1314.2	*1352.9*	1323.9	1321.0	1307.5
40°	1246.6	*1283.3*	1255.3	1250.4	1238.8
42.5°	1176.9	*1212.7*	1185.6	1179.8	1168.2
45°	1108.3	*1140.2*	1115.0	1109.2	1096.7
47.5°	1036.7	*1067.6*	1044.4	1038.6	1023.2
50°	966.1	*997.1*	971.9	967.1	952.6
52.5°	897.4	*923.6*	901.3	897.4	883.9
55°	826.8	*851.0*	831.7	828.8	815.2
57.5°	756.2	*777.5*	763.0	762.1	750.4
60°	685.7	*706.9*	695.3	695.3	684.7
62.5°	619.9	*636.3*	627.6	632.5	620.9
65°	549.3	*564.8*	561.9	568.6	559.0
67.5°	480.6	*497.1*	498.0	509.6	500.9
70°	412.0	*428.4*	436.1	448.7	442.9
72.5°	343.3	*360.7*	375.2	392.6	387.8
75°	277.5	*295.9*	315.3	338.5	336.5
77.5°	210.8	*234.0*	261.1	288.2	288.2
80°	150.9	*177.0*	209.9	241.8	243.7
82.5°	95.7	*124.8*	165.4	199.2	202.1
85°	49.3	*81.2*	126.7	160.5	165.4
87.5°	15.5	*47.4*	91.9	125.7	131.5
90°	0.0	*24.2*	64.8	96.7	103.5
92.5°	0.0	*11.6*	43.5	72.5	79.3
95°	1.0	*5.8*	28.0	53.2	59.0
97.5°	1.0	*2.9*	18.4	37.7	43.5
100°	1.0	*1.9*	12.6	27.1	31.9
102.5°	1.0	*1.0*	8.7	19.3	23.2
105°	1.0	*1.0*	6.8	14.5	17.4
107.5°	1.9	*1.0*	3.9	10.6	12.6
110°	1.9	*1.0*	1.9	7.7	9.7

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.9	*1.0*	1.0	4.8	6.8
115°	1.9	*1.0*	1.9	2.9	3.9
117.5°	1.9	*1.0*	1.9	1.0	1.9
120°	1.9	*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	20.49	22.08	20.87	22.42	22.76	20.37	21.96	20.75	22.30	22.63
	3H	22.17	23.61	22.56	23.96	24.34	22.23	23.67	22.62	24.02	24.40
	4H	22.77	24.13	23.18	24.49	24.89	23.01	24.37	23.43	24.74	25.14
	6H	23.16	24.42	23.58	24.80	25.22	23.74	25.00	24.16	25.38	25.80
	8H	23.26	24.46	23.70	24.87	25.29	24.07	25.28	24.51	25.69	26.11
	12H	23.30	24.46	23.75	24.86	25.31	24.42	25.58	24.86	25.98	26.43
4H	2H	21.08	22.44	21.50	22.81	23.21	20.99	22.35	21.40	22.71	23.11
	3H	23.01	24.15	23.43	24.57	24.99	23.09	24.23	23.51	24.65	25.07
	4H	23.74	24.78	24.19	25.21	25.67	24.03	25.07	24.48	25.50	25.96
	6H	24.26	25.17	24.73	25.63	26.11	24.93	25.84	25.40	26.30	26.77
	8H	24.41	25.26	24.88	25.72	26.21	25.35	26.20	25.82	26.66	27.14
	12H	24.49	25.26	24.99	25.75	26.24	25.79	26.56	26.29	27.05	27.54
8H	4H	24.10	24.95	24.57	25.41	25.90	24.36	25.21	24.83	25.67	26.16
	6H	24.76	25.48	25.27	25.98	26.48	25.43	26.14	25.94	26.65	27.14
	8H	24.99	25.63	25.51	26.15	26.66	25.98	26.62	26.51	27.14	27.65
	12H	25.15	25.72	25.67	26.22	26.80	26.60	27.17	27.12	27.67	28.25
12H	4H	24.16	24.93	24.66	25.42	25.91	24.39	25.16	24.89	25.65	26.14
	6H	24.88	25.52	25.40	26.04	26.55	25.50	26.14	26.02	26.66	27.17
	8H	25.18	25.75	25.70	26.25	26.83	26.13	26.70	26.66	27.21	27.79

END OF REPORT