

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: P1559220

Luminaire Tested: 4NWS3C5-NUV-LOW-50K

Issue Date: 9/2/2026

Test Information

Test Method: LM-79-2019
Report Number: P1559220
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-NUV-LOW-50K
Description: 4ft WRAP Lo Lumen 5 CCT SEL NUV 0-10V DIM 5000K

Light Source:
Ballast/Driver: -

Summary

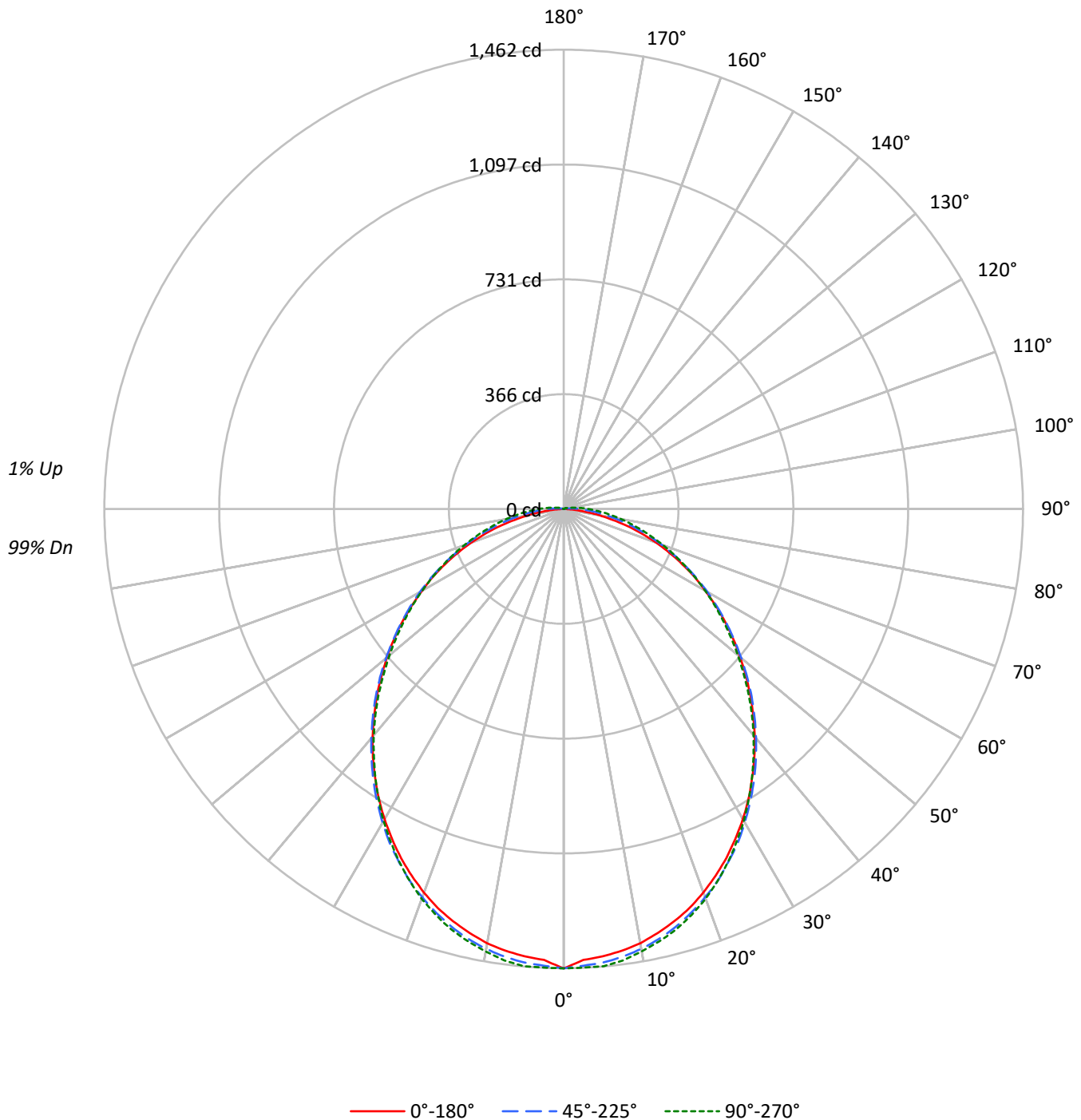
Lumens per Lamp: N/A
Luminaire Lumens: 3795.6 lumens
Efficiency: N/A
Efficacy: 139.5 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.17 / 1.29
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 27.2
Input Voltage (V):
Input Current (A_{in}): 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			
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°	11926	11926	11926
5°	11701	11863	11959
10°	11624	11775	11842
15°	11473	11628	11696
20°	11278	11417	11463
25°	11026	11158	11145
30°	10737	10855	10799
35°	10410	10511	10402
40°	10069	10139	10006
45°	9697	9757	9596
50°	9300	9356	9170
55°	8920	8972	8795
60°	8486	8605	8473
65°	8042	8226	8183
70°	7453	7889	8013
75°	6635	7536	8047
80°	5377	7476	8683
85°	3499	8991	11742

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 87.5°

Luminance: 18657 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.9	3.6
10°-20°	389.4	10.3
20°-30°	572.6	15.1
30°-40°	661.5	17.4
40°-50°	653.7	17.2
50°-60°	565.8	14.9
60°-70°	423.5	11.2
70°-80°	253.5	6.7
80°-90°	102.5	2.7
90°-100°	26.6	0.7
100°-110°	6.7	0.2
110°-120°	1.7	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°	1099.9	29.0
0°-40°	1761.4	46.4
0°-60°	2981.0	78.5
0°-90°	3760.5	99.1
90°-120°	35.0	0.9
90°-150°	35.1	0.9
90°-180°	35.0	0.9
0°-180°	3795.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1462	1462	1462	1462	1462	
5°	1430	1476	1449	1446	1461	136
15°	1359	1403	1377	1378	1385	383
25°	1226	1266	1240	1238	1239	564
35°	1046	1079	1056	1053	1045	654
45°	841	865	846	842	832	648
55°	627	646	631	629	619	561
65°	417	428	426	432	424	413
75°	211	224	239	257	255	223
85°	37	62	96	122	126	47
90°	0	18	49	73	78	2
95°	1	4	21	40	45	0
105°	1	1	5	11	13	1
115°	2	1	2	2	3	1
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	0

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1462.5	1462.5	1462.5	1462.5	1462.5
2.5°	1436.8	1482.3	1455.1	1452.2	1461.0
5°	1429.5	1476.4	1449.3	1445.6	1461.0
7.5°	1418.4	1465.4	1437.5	1433.9	1449.3
10°	1403.8	1449.3	1422.1	1419.2	1430.2
12.5°	1382.5	1429.5	1402.3	1399.4	1409.6
15°	1359.0	1403.0	1377.4	1378.1	1385.4
17.5°	1331.9	1373.7	1348.0	1348.7	1354.6
20°	1299.6	1341.4	1315.7	1314.2	1320.9
22.5°	1263.6	1305.4	1281.2	1276.8	1281.2
25°	1225.5	1265.8	1240.1	1237.9	1238.7
27.5°	1183.6	1222.5	1199.0	1195.4	1193.2
30°	1140.3	1177.0	1152.8	1149.1	1146.9
32.5°	1094.8	1128.6	1105.1	1101.4	1096.3
35°	1045.7	1078.7	1055.9	1053.0	1044.9
37.5°	997.2	1026.6	1004.6	1002.4	992.1
40°	945.9	973.8	952.5	948.8	940.0
42.5°	893.0	920.2	899.6	895.2	886.4
45°	840.9	865.2	846.1	841.7	832.1
47.5°	786.6	810.1	792.5	788.1	776.4
50°	733.1	756.6	737.5	733.8	722.8
52.5°	681.0	700.8	683.9	681.0	670.7
55°	627.4	645.7	631.1	628.9	618.6
57.5°	573.8	590.0	579.0	578.2	569.4
60°	520.3	536.4	527.6	527.6	519.5
62.5°	470.4	482.8	476.2	479.9	471.1
65°	416.8	428.5	426.3	431.5	424.1
67.5°	364.7	377.2	377.9	386.7	380.1
70°	312.6	325.1	330.9	340.5	336.1
72.5°	260.5	273.7	284.7	297.9	294.3
75°	210.6	224.5	239.2	256.8	255.4
77.5°	160.0	177.6	198.1	218.7	218.7
80°	114.5	134.3	159.2	183.5	184.9
82.5°	72.6	94.7	125.5	151.2	153.4
85°	37.4	61.6	96.1	121.8	125.5
87.5°	11.7	36.0	69.7	95.4	99.8
90°	0.0	18.3	49.2	73.4	78.5
92.5°	0.0	8.8	33.0	55.0	60.2
95°	0.7	4.4	21.3	40.4	44.8
97.5°	0.7	2.2	13.9	28.6	33.0
100°	0.7	1.5	9.5	20.5	24.2
102.5°	0.7	0.7	6.6	14.7	17.6
105°	0.7	0.7	5.1	11.0	13.2
107.5°	1.5	0.7	2.9	8.1	9.5
110°	1.5	0.7	1.5	5.9	7.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.5	0.7	0.7	3.7	5.1
115°	1.5	0.7	1.5	2.2	2.9
117.5°	1.5	0.7	1.5	0.7	1.5
120°	1.5	0.7	0.7	0.7	0.7
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	19.5	21.1	19.9	21.5	21.8	19.4	21.0	19.8	21.3	21.7
	3H	21.2	22.7	21.6	23.0	23.4	21.3	22.7	21.7	23.1	23.4
	4H	21.8	23.2	22.2	23.5	23.9	22.1	23.4	22.5	23.8	24.2
	6H	22.2	23.5	22.6	23.8	24.3	22.8	24.0	23.2	24.4	24.8
	8H	22.3	23.5	22.7	23.9	24.3	23.1	24.3	23.6	24.7	25.1
	12H	22.3	23.5	22.8	23.9	24.4	23.5	24.6	23.9	25.0	25.5
4H	2H	20.1	21.5	20.5	21.9	22.3	20.0	21.4	20.4	21.8	22.2
	3H	22.0	23.2	22.5	23.6	24.0	22.1	23.3	22.6	23.7	24.1
	4H	22.8	23.8	23.2	24.3	24.7	23.1	24.1	23.5	24.5	25.0
	6H	23.3	24.2	23.8	24.7	25.1	24.0	24.9	24.4	25.3	25.8
	8H	23.4	24.3	23.9	24.8	25.2	24.4	25.2	24.9	25.7	26.2
	12H	23.5	24.3	24.0	24.8	25.3	24.8	25.6	25.3	26.1	26.6
8H	4H	23.1	24.0	23.6	24.5	24.9	23.4	24.3	23.9	24.7	25.2
	6H	23.8	24.5	24.3	25.0	25.5	24.5	25.2	25.0	25.7	26.2
	8H	24.0	24.7	24.6	25.2	25.7	25.0	25.7	25.5	26.2	26.7
	12H	24.2	24.8	24.7	25.3	25.8	25.6	26.2	26.2	26.7	27.3
12H	4H	23.2	24.0	23.7	24.5	25.0	23.4	24.2	23.9	24.7	25.2
	6H	23.9	24.6	24.5	25.0	25.6	24.6	25.2	25.1	25.7	26.2
	8H	24.2	24.8	24.7	25.3	25.9	25.2	25.7	25.7	26.3	26.8















(END OF REPORT)