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: P1559197

Luminaire Tested: 2NWS3C5-3500-HIGH

Issue Date: 9/2/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P1559197
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2607-872-5)
Test Lab:	INNOVATION CENTER
Issue Date:	9/2/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	METALUX
Catalog Number:	2NWS3C5-3500-HIGH
Description:	2FT WRAP High Lumen 5 CCT SEL NUV 0-10V DIM 3500K
Light Source:	
Ballast/Driver:	-

Summary

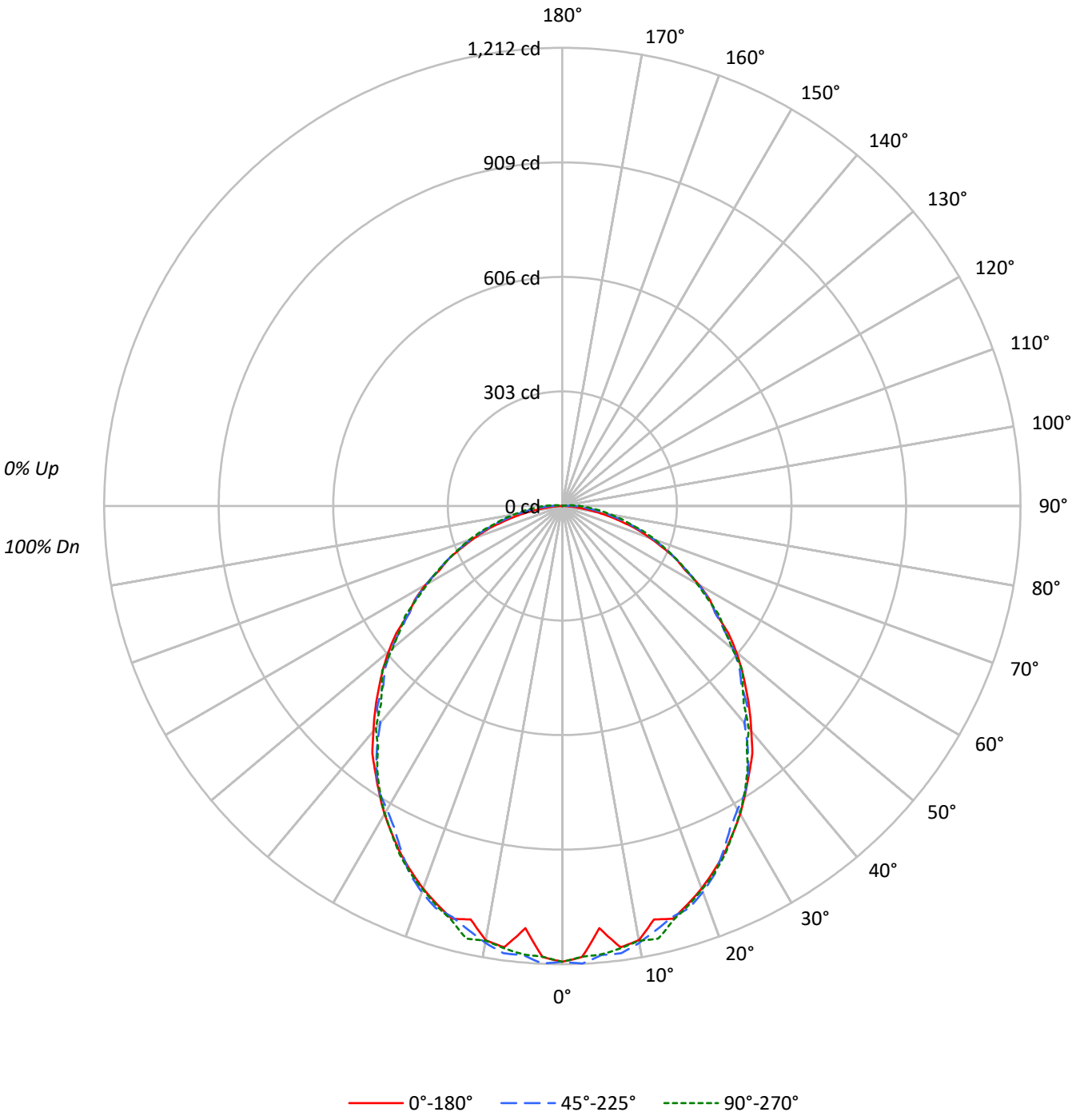
Lumens per Lamp:	N/A
Luminaire Lumens:	3017.9 lumens
Efficiency:	N/A
Efficacy:	137.2 lumens/watt
Spacing Criteria (0/90/45):	1.17 / 1.17 / 1.27
Luminous Opening:	Rectangular (W 0.33' x L: 2' x H: 0')
CIE Type:	Direct
Input Watts (W):	22
Input Voltage (V):	
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.9
Total Harmonic Distortion (THDi):	=20%
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	102	102	102	100
1	109	104	100	96	106	102	98	94	97	94	91	93	91	88	90	88	86	84
2	99	91	84	79	97	89	83	78	86	80	76	82	78	74	79	76	72	70
3	91	80	72	66	88	79	71	65	76	69	64	73	67	63	70	66	62	60
4	83	71	63	56	81	70	62	56	68	61	55	65	59	54	63	58	53	51
5	77	64	55	49	75	63	55	48	61	53	48	59	52	47	57	51	47	45
6	71	58	49	43	69	57	49	43	55	48	42	53	47	42	52	46	41	39
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	47	41	37	35
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	33	28	38	32	28	38	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	19660	19660	19660
5°	18352	19521	19488
10°	19315	19430	19331
15°	19081	18997	19148
20°	18689	18864	18741
25°	18238	18128	18310
30°	17723	17457	17685
35°	17154	17074	16995
40°	16546	15946	16331
45°	15861	15444	15559
50°	15228	15000	14873
55°	14038	14066	14436
60°	13644	13576	13412
65°	12804	12843	12804
70°	11745	12179	12465
75°	10391	11531	11783
80°	8500	10951	12087
85°	5838	11845	15045

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
Vertical Angle: 87.5°
Luminance: 23294 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.3	3.8
10°-20°	319.8	10.6
20°-30°	467.4	15.5
30°-40°	536.0	17.8
40°-50°	526.8	17.5
50°-60°	449.7	14.9
60°-70°	328.0	10.9
70°-80°	191.9	6.4
80°-90°	70.0	2.3
90°-100°	13.0	0.4
100°-110°	1.9	0.1
110°-120°	0.1	0.0
120°-130°	0.0	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°	900.5	29.8
0°-40°	1436.5	47.6
0°-60°	2413.0	80.0
0°-90°	3002.9	99.5
90°-120°	15.0	0.5
90°-150°	15.0	0.5
90°-180°	15.0	0.5
0°-180°	3017.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1206	1206	1206	1206	1206	
5°	1121	1192	1192	1214	1190	111
15°	1130	1133	1125	1147	1134	316
25°	1014	1012	1007	1022	1018	466
35°	862	864	858	859	854	539
45°	688	691	670	681	675	531
55°	494	512	495	496	508	452
65°	332	331	333	325	332	326
75°	165	174	183	188	187	177
85°	31	42	63	78	80	39
90°	1	11	28	41	46	2
95°	0	2	9	18	22	0
105°	0	0	1	3	4	0
115°	1	0	0	0	0	0
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°	1205.5	1205.5	1205.5	*1205.5*	1205.5
2.5°	*1194.4*	*1195.4*	*1211.5*	*1214.5*	*1193.4*
5°	1121.0	1192.4	1192.4	*1214.5*	1190.4
7.5°	1177.3	1181.4	1193.4	*1197.5*	1180.4
10°	1166.3	1169.3	1173.3	*1179.4*	1167.3
12.5°	1120.0	1182.4	1148.2	*1157.2*	1172.3
15°	1130.1	1133.1	1125.1	*1147.2*	1134.1
17.5°	1104.0	1095.9	1115.0	*1121.0*	1108.0
20°	1076.8	1081.8	1086.9	*1095.9*	1079.8
22.5°	1045.6	1046.6	1053.7	*1063.7*	1050.7
25°	1013.5	1011.5	1007.4	*1022.5*	1017.5
27.5°	976.3	982.3	961.2	*986.3*	977.3
30°	941.1	946.1	927.0	*944.1*	939.1
32.5°	900.9	905.9	899.9	*899.9*	897.8
35°	861.6	863.7	857.6	*858.6*	853.6
37.5°	825.5	815.4	805.3	*812.4*	801.3
40°	777.2	788.3	749.0	*768.1*	767.1
42.5°	733.0	737.0	725.9	*721.9*	709.8
45°	687.7	690.7	669.6	*680.7*	674.6
47.5°	644.5	657.5	635.4	*630.4*	646.5
50°	600.2	601.2	591.2	*584.1*	586.2
52.5°	554.0	566.1	539.9	*539.9*	540.9
55°	493.7	511.8	494.7	*495.7*	507.7
57.5°	463.5	461.5	460.5	*452.4*	454.5
60°	418.3	423.3	416.2	*410.2*	411.2
62.5°	365.0	374.0	371.0	*369.0*	372.0
65°	331.8	330.8	332.8	*324.8*	331.8
67.5°	287.6	288.6	293.6	*285.5*	294.6
70°	246.3	253.4	255.4	*256.4*	261.4
72.5°	209.1	210.1	218.2	*221.2*	226.2
75°	164.9	173.9	183.0	*188.0*	187.0
77.5°	127.7	136.7	147.8	*156.8*	159.9
80°	90.5	102.6	116.6	*127.7*	128.7
82.5°	60.3	69.4	89.5	*103.6*	106.6
85°	31.2	42.2	63.3	*78.4*	80.4
87.5°	11.1	23.1	44.2	*58.3*	62.3
90°	1.0	11.1	28.2	*41.2*	46.2
92.5°	0.0	4.0	17.1	*28.2*	32.2
95°	0.0	2.0	9.0	*18.1*	22.1
97.5°	0.0	1.0	5.0	*12.1*	14.1
100°	0.0	0.0	3.0	*8.0*	9.0
102.5°	0.0	0.0	2.0	*5.0*	6.0
105°	0.0	0.0	1.0	*3.0*	4.0
107.5°	0.0	0.0	1.0	*2.0*	2.0
110°	0.0	0.0	0.0	*1.0*	1.0

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	0.0	0.0	*0.0*	0.0
115°	1.0	0.0	0.0	*0.0*	0.0
117.5°	0.0	0.0	0.0	*0.0*	0.0
120°	0.0	0.0	0.0	*0.0*	0.0
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	21.10	22.70	21.48	23.02	23.35	20.96	22.55	21.33	22.88	23.20
	3H	22.76	24.20	23.15	24.54	24.91	22.73	24.17	23.11	24.50	24.88
	4H	23.35	24.71	23.76	25.07	25.46	23.45	24.81	23.86	25.16	25.55
	6H	23.75	25.00	24.17	25.38	25.78	24.08	25.34	24.50	25.71	26.12
	8H	23.85	25.05	24.29	25.45	25.86	24.36	25.56	24.79	25.96	26.37
	12H	23.91	25.05	24.34	25.45	25.89	24.63	25.78	25.07	26.17	26.61
4H	2H	21.69	23.04	22.10	23.40	23.79	21.58	22.93	21.98	23.29	23.68
	3H	23.58	24.72	24.00	25.13	25.54	23.58	24.71	23.99	25.12	25.53
	4H	24.31	25.34	24.75	25.76	26.21	24.44	25.47	24.88	25.89	26.34
	6H	24.83	25.73	25.29	26.18	26.65	25.22	26.12	25.69	26.57	27.04
	8H	24.98	25.82	25.45	26.27	26.75	25.58	26.42	26.05	26.87	27.35
	12H	25.06	25.82	25.55	26.31	26.79	25.93	26.68	26.42	27.17	27.65
8H	4H	24.64	25.48	25.11	25.93	26.41	24.76	25.60	25.23	26.05	26.53
	6H	25.29	25.99	25.79	26.49	26.98	25.70	26.40	26.20	26.89	27.38
	8H	25.51	26.14	26.02	26.65	27.15	26.16	26.80	26.68	27.31	27.81
	12H	25.66	26.22	26.17	26.72	27.29	26.66	27.22	27.17	27.72	28.29
12H	4H	24.69	25.44	25.18	25.93	26.41	24.79	25.54	25.28	26.03	26.51
	6H	25.38	26.01	25.90	26.53	27.02	25.76	26.39	26.28	26.91	27.40
	8H	25.66	26.22	26.18	26.72	27.29	26.30	26.86	26.82	27.36	27.93

END OF REPORT