

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: P1053654

Luminaire Tested: 14CGTS-L3C3-3500K-MEDIUM

Issue Date: 7/22/2025

Test Information

Test Method: LM-79-2019
Report Number: P1053654
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2412-301-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/22/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14CGTS-L3C3-3500K-MEDIUM
Description: 1x4 Selectable Lumens and CCT LED Backlit Panel at 3500K CCT and MEDIUM lumen settings
Light Source: -
Ballast/Driver: -

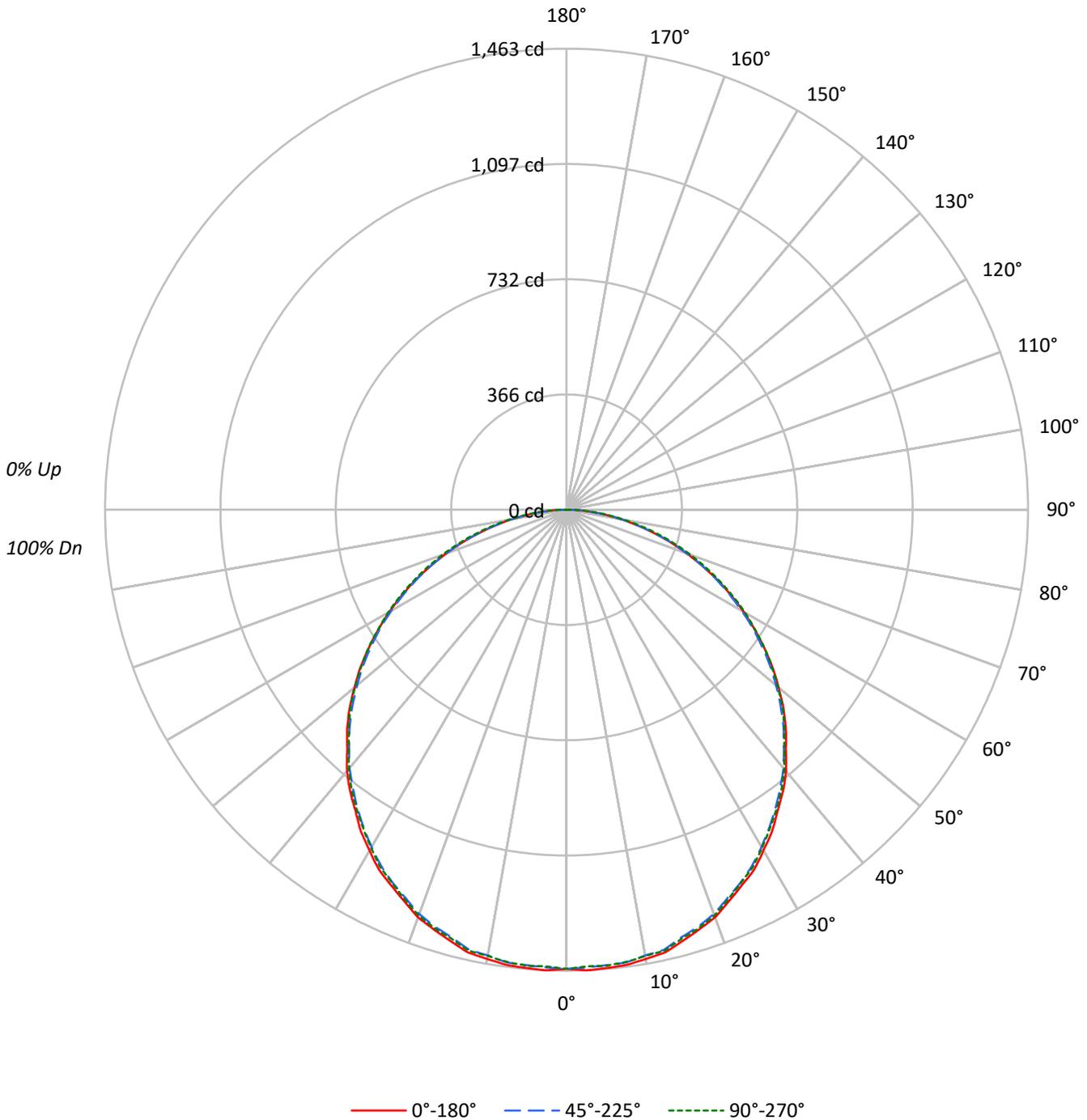
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4236.0 lumens
Efficiency: N/A
Efficacy: 146.1 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.26 / 1.37
Luminous Opening: Rectangular (W 0.81' x L: 3.81' x H: 0')
CIE Type: Direct

Input Watts (W): 29
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	108	104	99	95	106	101	97	94	97	94	91	93	90	88	90	87	85	85	85	85	83
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	71	71	71	69
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	60	60	60	58
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	62	56	52	52	52	52	49
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	49	45	45	45	45	43
6	70	56	47	41	68	55	47	40	53	46	40	52	45	40	50	44	39	39	39	39	37
7	65	51	42	36	63	50	42	36	49	41	35	47	40	35	46	40	35	35	35	35	33
8	60	46	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31	31	31	31	29
9	56	43	34	29	55	42	34	29	41	34	28	40	33	28	39	33	28	28	28	28	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	26	26	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5095	5095	5095
5°	5126	5093	5098
10°	5140	5101	5106
15°	5132	5086	5103
20°	5123	5081	5099
25°	5074	5037	5043
30°	5042	4991	5003
35°	4980	4933	4953
40°	4943	4886	4900
45°	4863	4809	4825
50°	4775	4714	4757
55°	4667	4610	4677
60°	4537	4482	4571
65°	4376	4336	4428
70°	4147	4147	4277
75°	3882	3902	4052
80°	3593	3593	3782
85°	3230	3166	3483

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 4871 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.6	3.3
10°-20°	399.0	9.4
20°-30°	604.4	14.3
30°-40°	727.5	17.2
40°-50°	754.7	17.8
50°-60°	682.5	16.1
60°-70°	524.4	12.4
70°-80°	311.3	7.3
80°-90°	93.7	2.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	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°	1141.9	27.0
0°-40°	1869.4	44.1
0°-60°	3306.6	78.1
0°-90°	4236.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4236.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1457	1457	1457	1457	1457	
5°	1460	1460	1451	1454	1452	139
15°	1417	1416	1405	1413	1410	400
25°	1315	1315	1305	1310	1307	607
35°	1166	1166	1155	1162	1160	732
45°	983	985	972	979	976	758
55°	766	767	756	764	767	684
65°	529	532	524	532	535	522
75°	287	294	289	298	300	306
85°	80	82	79	85	87	91
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1456.9	1456.9	1456.9	1456.9	1456.9
2.5°	1463.2	1463.2	1453.7	1456.9	1450.6
5°	1460.0	1460.0	1450.6	1453.7	1452.1
7.5°	1456.9	1458.4	1449.0	1450.6	1447.4
10°	1447.4	1445.8	1436.3	1441.1	1437.9
12.5°	1439.5	1437.9	1430.0	1434.8	1433.2
15°	1417.4	1415.8	1404.8	1412.7	1409.5
17.5°	1396.9	1396.9	1387.4	1392.1	1392.1
20°	1376.4	1374.8	1365.3	1371.6	1370.1
22.5°	1344.8	1344.8	1333.7	1338.5	1338.5
25°	1314.8	1314.8	1305.3	1310.1	1306.9
27.5°	1288.0	1286.4	1273.8	1280.1	1278.5
30°	1248.5	1246.9	1235.9	1242.2	1239.0
32.5°	1212.2	1207.5	1196.4	1202.7	1199.6
35°	1166.4	1166.4	1155.4	1161.7	1160.1
37.5°	1127.0	1127.0	1112.8	1120.7	1119.1
40°	1082.8	1082.8	1070.2	1074.9	1073.3
42.5°	1029.1	1032.3	1019.6	1026.0	1021.2
45°	983.3	984.9	972.3	978.6	975.5
47.5°	932.8	934.4	920.2	929.7	929.7
50°	877.6	880.7	866.5	874.4	874.4
52.5°	823.9	825.5	812.9	820.8	820.8
55°	765.5	767.1	756.1	763.9	767.1
57.5°	707.1	710.3	700.8	707.1	708.7
60°	648.7	650.3	640.8	650.3	653.5
62.5°	588.7	590.3	582.4	591.9	595.1
65°	528.8	531.9	524.0	531.9	535.1
67.5°	465.6	471.9	465.6	473.5	476.7
70°	405.6	413.5	405.6	413.5	418.3
72.5°	347.2	353.6	348.8	358.3	359.9
75°	287.3	293.6	288.8	298.3	299.9
77.5°	232.0	236.8	232.0	239.9	243.1
80°	178.4	181.5	178.4	186.3	187.8
82.5°	126.3	131.0	127.9	134.2	135.7
85°	80.5	82.1	78.9	85.2	86.8
87.5°	37.9	39.5	36.3	42.6	42.6
90°	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	17.52	19.17	17.88	19.48	19.80	17.50	19.15	17.86	19.46	19.78
	3H	19.35	20.85	19.73	21.17	21.53	19.38	20.88	19.76	21.21	21.57
	4H	20.05	21.46	20.45	21.81	22.18	20.12	21.53	20.52	21.88	22.25
	6H	20.58	21.89	20.99	22.25	22.64	20.68	21.99	21.09	22.35	22.74
	8H	20.76	22.01	21.18	22.40	22.79	20.88	22.13	21.30	22.52	22.91
	12H	20.88	22.08	21.31	22.46	22.89	21.02	22.22	21.45	22.60	23.03
4H	2H	18.14	19.55	18.54	19.90	20.28	18.13	19.54	18.53	19.89	20.26
	3H	20.22	21.40	20.63	21.80	22.20	20.24	21.43	20.65	21.82	22.22
	4H	21.05	22.13	21.48	22.54	22.98	21.11	22.19	21.55	22.60	23.04
	6H	21.72	22.66	22.17	23.10	23.56	21.82	22.76	22.27	23.20	23.65
	8H	21.95	22.83	22.41	23.27	23.74	22.07	22.95	22.53	23.39	23.85
	12H	22.13	22.92	22.61	23.40	23.86	22.26	23.05	22.74	23.53	24.00
8H	4H	21.38	22.27	21.84	22.71	23.17	21.44	22.32	21.90	22.76	23.23
	6H	22.18	22.92	22.68	23.41	23.88	22.27	23.01	22.76	23.49	23.97
	8H	22.50	23.16	23.01	23.66	24.15	22.61	23.27	23.11	23.77	24.26
	12H	22.76	23.34	23.26	23.83	24.39	22.89	23.47	23.39	23.96	24.52
12H	4H	21.43	22.22	21.91	22.70	23.16	21.48	22.27	21.96	22.75	23.21
	6H	22.25	22.91	22.76	23.42	23.90	22.34	23.00	22.84	23.50	23.99
	8H	22.63	23.21	23.13	23.70	24.26	22.73	23.32	23.24	23.81	24.36