

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: P1053657

Luminaire Tested: 14CGTS-L3C3-4000K-MEDIUM

Issue Date: 7/22/2025

Test Information

Test Method: LM-79-2019
Report Number: P1053657
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-L3C3-4000K-MEDIUM
Description: 1x4 Selectable Lumens and CCT LED Backlit Panel at 4000K CCT and MEDIUM lumen settings
Light Source: -
Ballast/Driver: -

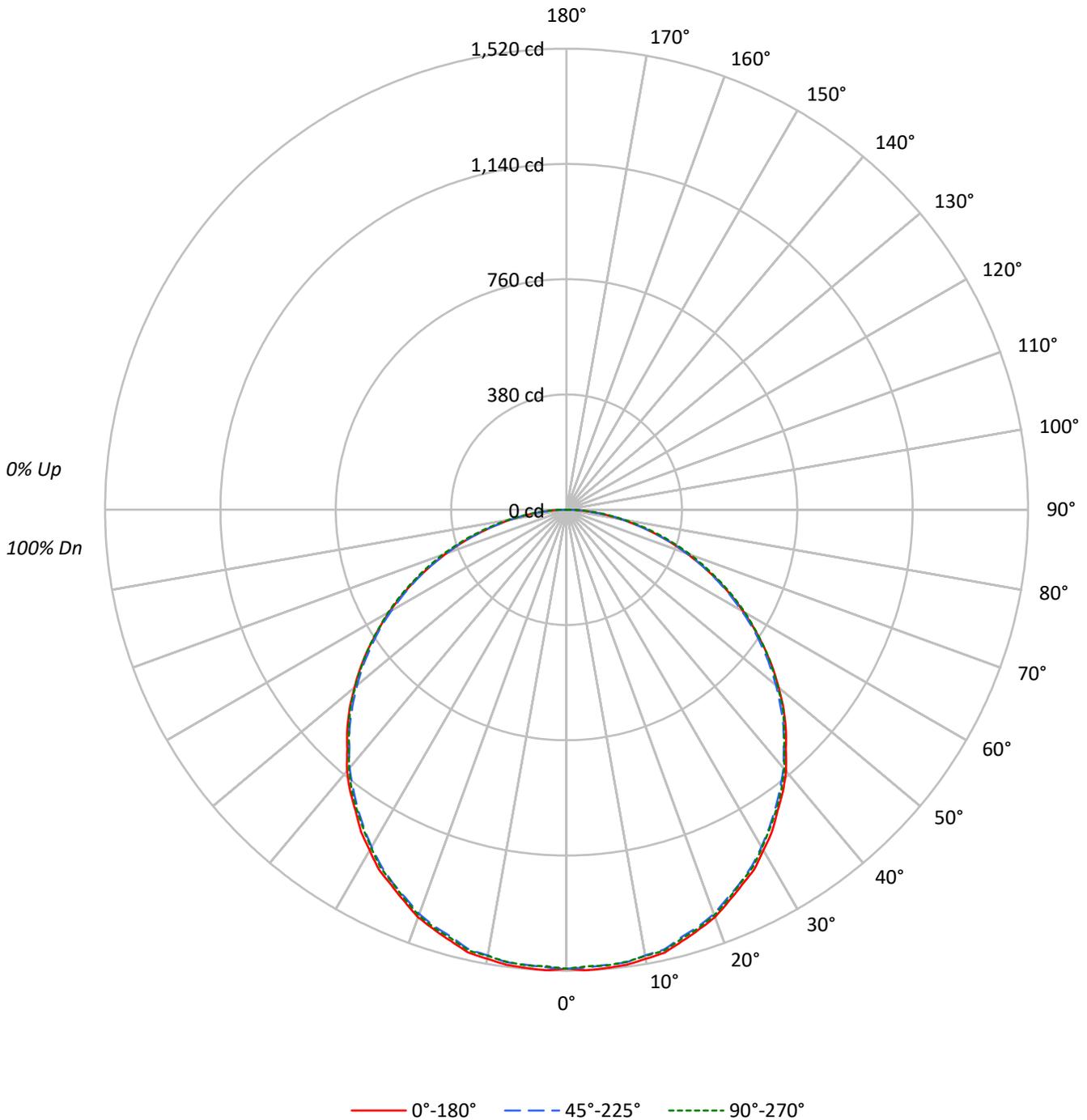
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4400.0 lumens
Efficiency: N/A
Efficacy: 151.7 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 (Ain): 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°	5292	5292	5292
5°	5324	5289	5295
10°	5339	5298	5304
15°	5331	5283	5301
20°	5321	5278	5296
25°	5270	5232	5238
30°	5237	5184	5197
35°	5173	5124	5145
40°	5135	5075	5090
45°	5052	4995	5011
50°	4960	4897	4942
55°	4849	4788	4858
60°	4713	4656	4748
65°	4545	4504	4599
70°	4309	4309	4443
75°	4032	4054	4209
80°	3732	3732	3929
85°	3355	3290	3619

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 5060 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.9	3.3
10°-20°	414.4	9.4
20°-30°	627.8	14.3
30°-40°	755.6	17.2
40°-50°	783.9	17.8
50°-60°	708.9	16.1
60°-70°	544.7	12.4
70°-80°	323.4	7.3
80°-90°	97.3	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°	1186.1	27.0
0°-40°	1941.8	44.1
0°-60°	3434.6	78.1
0°-90°	4400.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4400.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1513	1513	1513	1513	1513	
5°	1516	1516	1507	1510	1508	144
15°	1472	1471	1459	1467	1464	416
25°	1366	1366	1356	1361	1358	631
35°	1212	1212	1200	1207	1205	760
45°	1021	1023	1010	1016	1013	787
55°	795	797	785	794	797	711
65°	549	552	544	552	556	542
75°	298	305	300	310	312	317
85°	84	85	82	88	90	94
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1513.3	1513.3	1513.3	1513.3	1513.3
2.5°	1519.8	1519.8	1510.0	1513.3	1506.7
5°	1516.5	1516.5	1506.7	1510.0	1508.3
7.5°	1513.3	1514.9	1505.1	1506.7	1503.4
10°	1503.4	1501.8	1492.0	1496.9	1493.6
12.5°	1495.2	1493.6	1485.4	1490.3	1488.7
15°	1472.3	1470.6	1459.2	1467.4	1464.1
17.5°	1451.0	1451.0	1441.1	1446.0	1446.0
20°	1429.7	1428.0	1418.2	1424.7	1423.1
22.5°	1396.9	1396.9	1385.4	1390.3	1390.3
25°	1365.7	1365.7	1355.9	1360.8	1357.5
27.5°	1337.8	1336.2	1323.1	1329.6	1328.0
30°	1296.9	1295.2	1283.7	1290.3	1287.0
32.5°	1259.1	1254.2	1242.7	1249.3	1246.0
35°	1211.6	1211.6	1200.1	1206.7	1205.0
37.5°	1170.6	1170.6	1155.9	1164.1	1162.4
40°	1124.7	1124.7	1111.6	1116.5	1114.9
42.5°	1069.0	1072.2	1059.1	1065.7	1060.8
45°	1021.4	1023.1	1009.9	1016.5	1013.2
47.5°	969.0	970.6	955.8	965.7	965.7
50°	911.6	914.8	900.1	908.3	908.3
52.5°	855.8	857.5	844.3	852.5	852.5
55°	795.2	796.8	785.3	793.5	796.8
57.5°	734.5	737.8	727.9	734.5	736.1
60°	673.8	675.5	665.6	675.5	678.8
62.5°	611.5	613.2	605.0	614.8	618.1
65°	549.2	552.5	544.3	552.5	555.8
67.5°	483.7	490.2	483.7	491.9	495.1
70°	421.4	429.6	421.4	429.6	434.5
72.5°	360.7	367.3	362.3	372.2	373.8
75°	298.4	304.9	300.0	309.9	311.5
77.5°	241.0	245.9	241.0	249.2	252.5
80°	185.3	188.5	185.3	193.5	195.1
82.5°	131.2	136.1	132.8	139.4	141.0
85°	83.6	85.3	82.0	88.5	90.2
87.5°	39.3	41.0	37.7	44.3	44.3
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	17.65	19.30	18.02	19.62	19.93	17.63	19.28	17.99	19.59	19.91
	3H	19.49	20.98	19.86	21.31	21.67	19.52	21.01	19.89	21.34	21.70
	4H	20.18	21.59	20.58	21.94	22.31	20.25	21.66	20.65	22.01	22.38
	6H	20.71	22.02	21.12	22.38	22.77	20.81	22.12	21.22	22.49	22.88
	8H	20.89	22.14	21.31	22.53	22.93	21.01	22.26	21.43	22.65	23.05
	12H	21.02	22.21	21.44	22.60	23.02	21.15	22.35	21.58	22.73	23.16
4H	2H	18.28	19.69	18.67	20.03	20.41	18.26	19.67	18.66	20.02	20.39
	3H	20.35	21.53	20.76	21.93	22.33	20.37	21.56	20.78	21.96	22.36
	4H	21.19	22.26	21.62	22.67	23.11	21.25	22.32	21.68	22.73	23.17
	6H	21.85	22.79	22.31	23.23	23.69	21.95	22.89	22.40	23.33	23.78
	8H	22.08	22.96	22.54	23.41	23.87	22.20	23.08	22.66	23.52	23.99
	12H	22.26	23.05	22.74	23.53	24.00	22.39	23.19	22.87	23.66	24.13
8H	4H	21.52	22.40	21.98	22.84	23.30	21.57	22.45	22.03	22.89	23.36
	6H	22.32	23.05	22.81	23.54	24.01	22.40	23.14	22.90	23.63	24.10
	8H	22.63	23.29	23.14	23.80	24.28	22.74	23.40	23.25	23.90	24.39
	12H	22.89	23.47	23.40	23.96	24.52	23.02	23.60	23.53	24.09	24.65
12H	4H	21.56	22.35	22.04	22.83	23.30	21.61	22.40	22.09	22.88	23.35
	6H	22.38	23.04	22.89	23.55	24.04	22.47	23.13	22.98	23.63	24.12
	8H	22.76	23.34	23.27	23.83	24.39	22.86	23.45	23.37	23.94	24.50