

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: P1053652

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

Issue Date: 7/22/2025

Test Information

Test Method: LM-79-2019
Report Number: P1053652
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-HIGH
Description: 1x4 Selectable Lumens and CCT LED Backlit Panel at 3500K CCT and HIGH lumen settings
Light Source: -
Ballast/Driver: -

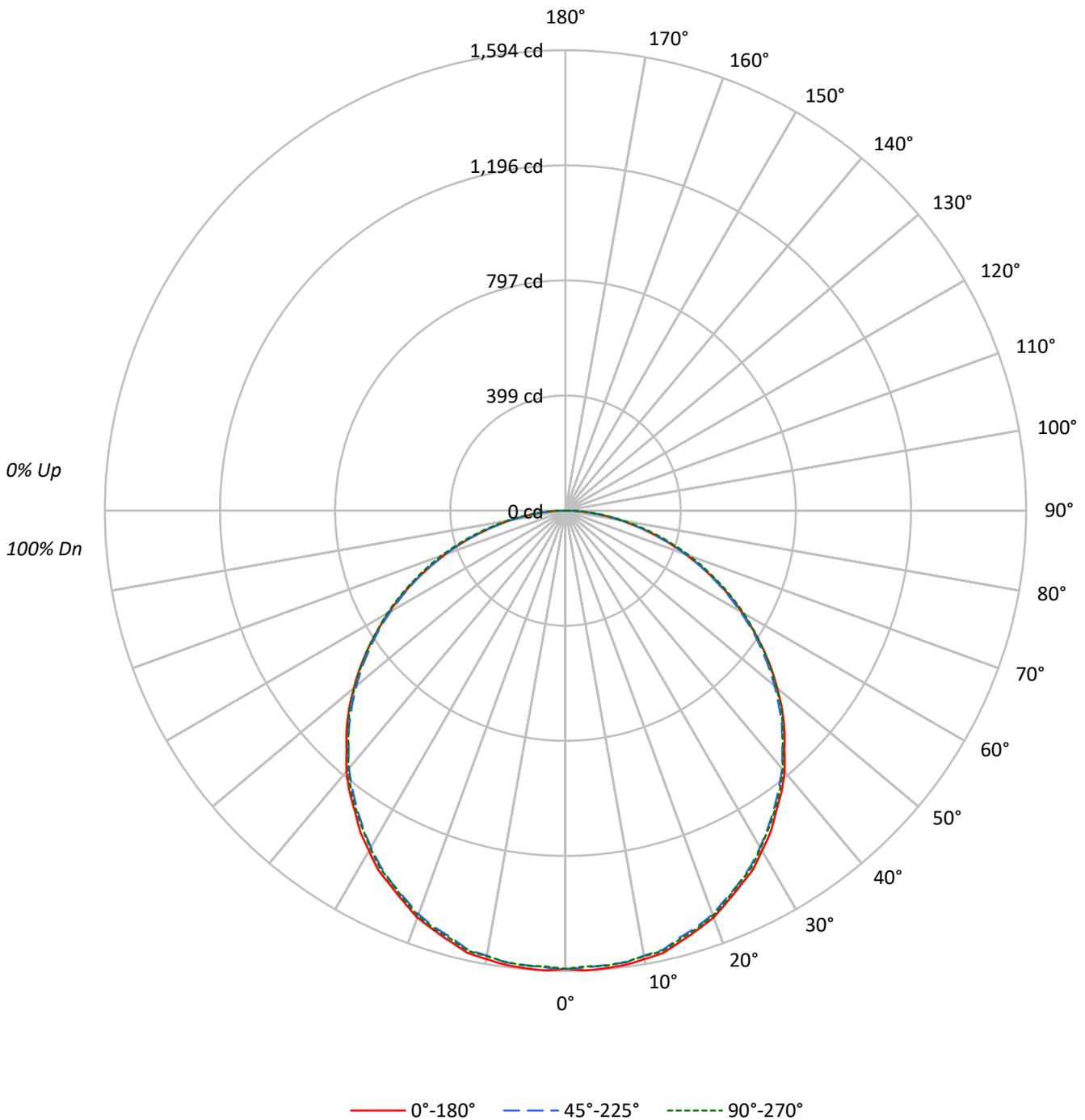
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4614.0 lumens
Efficiency: N/A
Efficacy: 135.3 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): 34.1
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				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°	5550	5550	5550
5°	5583	5547	5553
10°	5599	5556	5562
15°	5590	5540	5559
20°	5580	5535	5554
25°	5526	5486	5493
30°	5492	5436	5450
35°	5424	5373	5395
40°	5384	5322	5337
45°	5298	5238	5255
50°	5201	5136	5182
55°	5084	5021	5095
60°	4942	4882	4979
65°	4766	4724	4823
70°	4518	4518	4659
75°	4228	4251	4415
80°	3913	3913	4121
85°	3519	3451	3796

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 5306 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.9	3.3
10°-20°	434.6	9.4
20°-30°	658.3	14.3
30°-40°	792.4	17.2
40°-50°	822.1	17.8
50°-60°	743.4	16.1
60°-70°	571.2	12.4
70°-80°	339.1	7.3
80°-90°	102.0	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°	1243.8	27.0
0°-40°	2036.2	44.1
0°-60°	3601.7	78.1
0°-90°	4614.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4614.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1587	1587	1587	1587	1587	
5°	1590	1590	1580	1583	1582	151
15°	1544	1542	1530	1539	1535	436
25°	1432	1432	1422	1427	1424	661
35°	1270	1270	1258	1265	1264	797
45°	1071	1073	1059	1066	1062	826
55°	834	836	824	832	836	745
65°	576	579	571	579	583	569
75°	313	320	315	325	327	333
85°	88	89	86	93	95	99
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1586.9	1586.9	1586.9	1586.9	1586.9
2.5°	1593.7	1593.7	1583.4	1586.9	1580.0
5°	1590.3	1590.3	1580.0	1583.4	1581.7
7.5°	1586.9	1588.6	1578.3	1580.0	1576.6
10°	1576.6	1574.8	1564.5	1569.7	1566.2
12.5°	1568.0	1566.2	1557.6	1562.8	1561.1
15°	1543.9	1542.2	1530.1	1538.7	1535.3
17.5°	1521.5	1521.5	1511.2	1516.4	1516.4
20°	1499.2	1497.5	1487.2	1494.0	1492.3
22.5°	1464.8	1464.8	1452.8	1457.9	1457.9
25°	1432.1	1432.1	1421.8	1427.0	1423.5
27.5°	1402.9	1401.2	1387.4	1394.3	1392.6
30°	1359.9	1358.2	1346.2	1353.0	1349.6
32.5°	1320.4	1315.2	1303.2	1310.1	1306.6
35°	1270.5	1270.5	1258.5	1265.4	1263.6
37.5°	1227.5	1227.5	1212.1	1220.7	1218.9
40°	1179.4	1179.4	1165.7	1170.8	1169.1
42.5°	1121.0	1124.4	1110.6	1117.5	1112.4
45°	1071.1	1072.8	1059.1	1065.9	1062.5
47.5°	1016.1	1017.8	1002.3	1012.6	1012.6
50°	955.9	959.3	943.9	952.5	952.5
52.5°	897.4	899.2	885.4	894.0	894.0
55°	833.8	835.6	823.5	832.1	835.6
57.5°	770.2	773.7	763.3	770.2	771.9
60°	706.6	708.3	698.0	708.3	711.8
62.5°	641.3	643.0	634.4	644.7	648.2
65°	575.9	579.4	570.8	579.4	582.8
67.5°	507.2	514.1	507.2	515.8	519.2
70°	441.8	450.4	441.8	450.4	455.6
72.5°	378.2	385.1	380.0	390.3	392.0
75°	312.9	319.8	314.6	324.9	326.7
77.5°	252.7	257.9	252.7	261.3	264.8
80°	194.3	197.7	194.3	202.9	204.6
82.5°	137.5	142.7	139.3	146.1	147.9
85°	87.7	89.4	86.0	92.8	94.6
87.5°	41.3	43.0	39.5	46.4	46.4
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	17.82	19.47	18.18	19.78	20.09	17.79	19.45	18.16	19.76	20.07
	3H	19.65	21.15	20.03	21.47	21.83	19.68	21.18	20.06	21.50	21.86
	4H	20.35	21.76	20.75	22.10	22.48	20.42	21.83	20.81	22.17	22.55
	6H	20.88	22.19	21.29	22.55	22.94	20.98	22.29	21.39	22.65	23.04
	8H	21.05	22.30	21.48	22.69	23.09	21.17	22.43	21.60	22.81	23.21
	12H	21.18	22.38	21.61	22.76	23.19	21.32	22.52	21.75	22.90	23.33
4H	2H	18.44	19.85	18.84	20.20	20.57	18.43	19.84	18.82	20.18	20.56
	3H	20.51	21.70	20.92	22.10	22.50	20.54	21.73	20.95	22.12	22.52
	4H	21.35	22.42	21.78	22.84	23.27	21.41	22.49	21.84	22.90	23.33
	6H	22.02	22.96	22.47	23.40	23.85	22.11	23.05	22.57	23.49	23.95
	8H	22.25	23.13	22.71	23.57	24.04	22.36	23.24	22.82	23.69	24.15
	12H	22.42	23.22	22.90	23.69	24.16	22.56	23.35	23.04	23.83	24.29
8H	4H	21.68	22.56	22.14	23.00	23.47	21.74	22.62	22.19	23.06	23.52
	6H	22.48	23.22	22.97	23.70	24.18	22.57	23.30	23.06	23.79	24.26
	8H	22.80	23.45	23.30	23.96	24.45	22.90	23.56	23.41	24.07	24.55
	12H	23.06	23.64	23.56	24.13	24.69	23.19	23.77	23.69	24.26	24.82
12H	4H	21.72	22.52	22.20	22.99	23.46	21.78	22.57	22.25	23.04	23.51
	6H	22.55	23.21	23.06	23.72	24.20	22.63	23.29	23.14	23.80	24.28
	8H	22.93	23.51	23.43	24.00	24.56	23.03	23.61	23.53	24.10	24.66