

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: P1053658

Luminaire Tested: 14CGTS-L3C3-5000K-HIGH

Issue Date: 7/22/2025

Test Information

Test Method: LM-79-2019
Report Number: P1053658
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-L3C3-5000K-HIGH
Description: 1x4 Selectable Lumens and CCT LED Backlit Panel at 5000K CCT and HIGH lumen settings
Light Source: -
Ballast/Driver: -

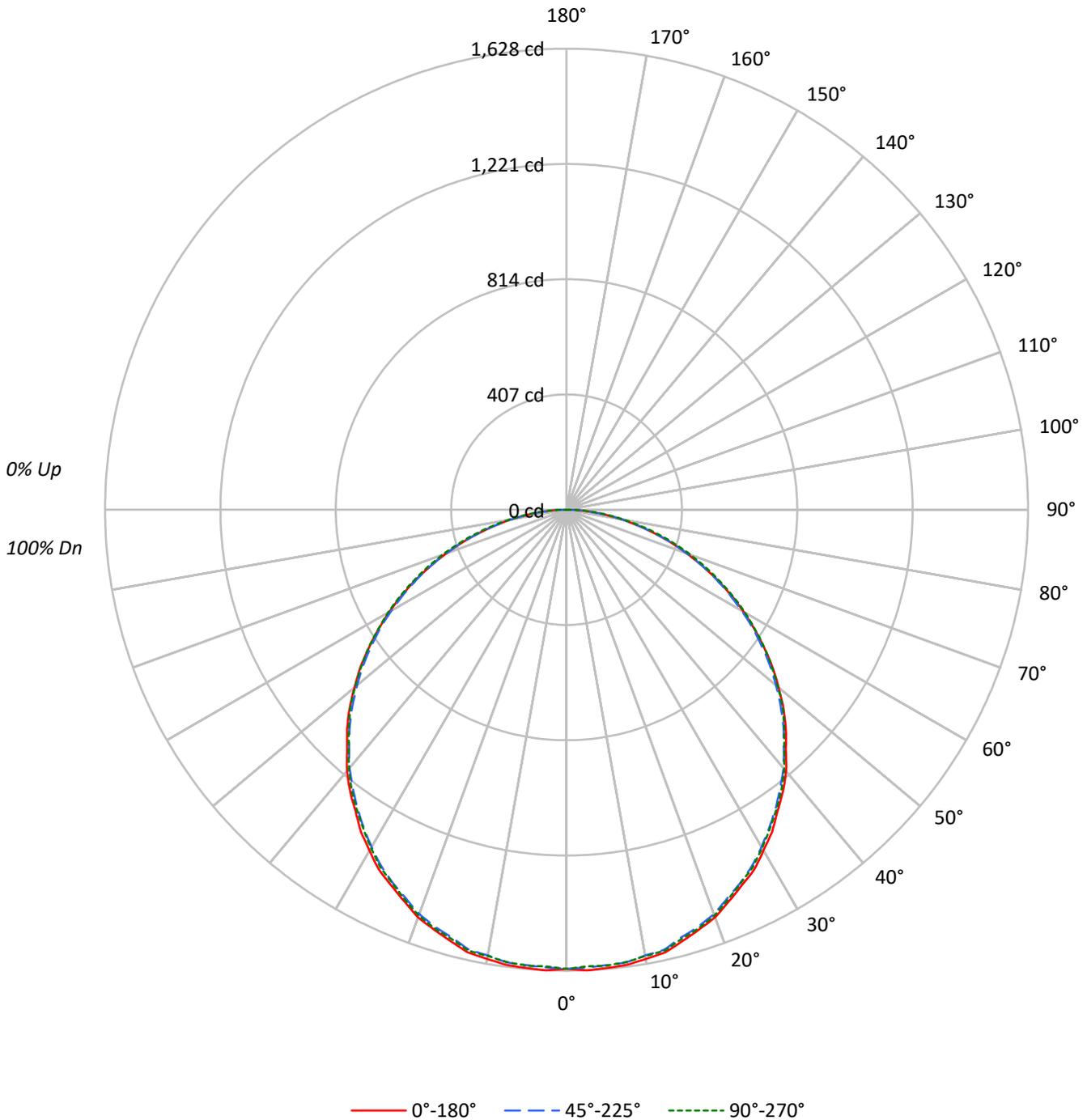
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4714.0 lumens
Efficiency: N/A
Efficacy: 138.2 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 (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°	5670	5670	5670
5°	5704	5667	5673
10°	5720	5676	5683
15°	5711	5660	5679
20°	5701	5655	5675
25°	5646	5605	5612
30°	5611	5554	5568
35°	5542	5490	5512
40°	5501	5437	5453
45°	5412	5351	5369
50°	5313	5247	5294
55°	5194	5130	5205
60°	5049	4988	5086
65°	4869	4826	4928
70°	4616	4616	4760
75°	4320	4343	4509
80°	3998	3998	4209
85°	3595	3523	3876

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 5421 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.2	3.3
10°-20°	444.0	9.4
20°-30°	672.6	14.3
30°-40°	809.6	17.2
40°-50°	839.9	17.8
50°-60°	759.5	16.1
60°-70°	583.6	12.4
70°-80°	346.4	7.3
80°-90°	104.2	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°	1270.8	27.0
0°-40°	2080.3	44.1
0°-60°	3679.7	78.1
0°-90°	4714.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4714.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1621	1621	1621	1621	1621	
5°	1625	1625	1614	1618	1616	155
15°	1577	1576	1563	1572	1569	446
25°	1463	1463	1453	1458	1454	676
35°	1298	1298	1286	1293	1291	814
45°	1094	1096	1082	1089	1086	843
55°	852	854	841	850	854	761
65°	588	592	583	592	596	581
75°	320	327	321	332	334	340
85°	90	91	88	95	97	101
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1621.3	1621.3	1621.3	1621.3	1621.3
2.5°	1628.3	1628.3	1617.7	1621.3	1614.2
5°	1624.8	1624.8	1614.2	1617.7	1616.0
7.5°	1621.3	1623.0	1612.5	1614.2	1610.7
10°	1610.7	1609.0	1598.4	1603.7	1600.2
12.5°	1601.9	1600.2	1591.4	1596.7	1594.9
15°	1577.3	1575.6	1563.3	1572.1	1568.6
17.5°	1554.5	1554.5	1544.0	1549.2	1549.2
20°	1531.7	1529.9	1519.4	1526.4	1524.7
22.5°	1496.5	1496.5	1484.3	1489.5	1489.5
25°	1463.2	1463.2	1452.6	1457.9	1454.4
27.5°	1433.3	1431.6	1417.5	1424.5	1422.8
30°	1389.4	1387.6	1375.3	1382.4	1378.9
32.5°	1349.0	1343.7	1331.4	1338.5	1334.9
35°	1298.1	1298.1	1285.8	1292.8	1291.0
37.5°	1254.1	1254.1	1238.3	1247.1	1245.4
40°	1205.0	1205.0	1190.9	1196.2	1194.4
42.5°	1145.2	1148.8	1134.7	1141.7	1136.5
45°	1094.3	1096.1	1082.0	1089.0	1085.5
47.5°	1038.1	1039.9	1024.0	1034.6	1034.6
50°	976.6	980.1	964.3	973.1	973.1
52.5°	916.9	918.7	904.6	913.4	913.4
55°	851.9	853.7	841.4	850.2	853.7
57.5°	786.9	790.4	779.9	786.9	788.7
60°	721.9	723.7	713.1	723.7	727.2
62.5°	655.2	656.9	648.2	658.7	662.2
65°	588.4	591.9	583.2	591.9	595.5
67.5°	518.2	525.2	518.2	527.0	530.5
70°	451.4	460.2	451.4	460.2	465.5
72.5°	386.4	393.5	388.2	398.7	400.5
75°	319.7	326.7	321.4	332.0	333.7
77.5°	258.2	263.5	258.2	267.0	270.5
80°	198.5	202.0	198.5	207.3	209.0
82.5°	140.5	145.8	142.3	149.3	151.1
85°	89.6	91.3	87.8	94.9	96.6
87.5°	42.2	43.9	40.4	47.4	47.4
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	17.89	19.54	18.25	19.85	20.17	17.87	19.52	18.23	19.83	20.15
	3H	19.72	21.22	20.10	21.55	21.91	19.76	21.25	20.13	21.58	21.94
	4H	20.42	21.83	20.82	22.18	22.55	20.49	21.90	20.89	22.25	22.62
	6H	20.95	22.26	21.36	22.62	23.01	21.05	22.36	21.46	22.73	23.12
	8H	21.13	22.38	21.55	22.77	23.17	21.25	22.50	21.67	22.89	23.29
	12H	21.25	22.45	21.68	22.83	23.26	21.39	22.59	21.82	22.97	23.40
4H	2H	18.52	19.93	18.91	20.27	20.65	18.50	19.91	18.90	20.26	20.63
	3H	20.59	21.77	21.00	22.17	22.57	20.61	21.80	21.02	22.20	22.60
	4H	21.43	22.50	21.86	22.91	23.35	21.49	22.56	21.92	22.97	23.41
	6H	22.09	23.03	22.55	23.47	23.93	22.19	23.13	22.64	23.57	24.02
	8H	22.32	23.20	22.78	23.65	24.11	22.44	23.32	22.90	23.76	24.23
	12H	22.50	23.29	22.98	23.77	24.24	22.63	23.43	23.11	23.90	24.37
8H	4H	21.76	22.64	22.22	23.08	23.54	21.81	22.69	22.27	23.13	23.60
	6H	22.56	23.29	23.05	23.78	24.25	22.64	23.38	23.14	23.86	24.34
	8H	22.87	23.53	23.38	24.03	24.52	22.98	23.64	23.49	24.14	24.63
	12H	23.13	23.71	23.64	24.20	24.76	23.26	23.84	23.77	24.33	24.89
12H	4H	21.80	22.59	22.28	23.07	23.54	21.85	22.64	22.33	23.12	23.59
	6H	22.62	23.28	23.13	23.79	24.27	22.71	23.37	23.21	23.87	24.36
	8H	23.00	23.58	23.51	24.07	24.63	23.10	23.69	23.61	24.18	24.74