

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: P1053655

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

Issue Date: 7/22/2025

Test Information

Test Method: LM-79-2019
Report Number: P1053655
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-HIGH
Description: 1x4 Selectable Lumens and CCT LED Backlit Panel at 4000K CCT and HIGH lumen settings
Light Source: -
Ballast/Driver: -

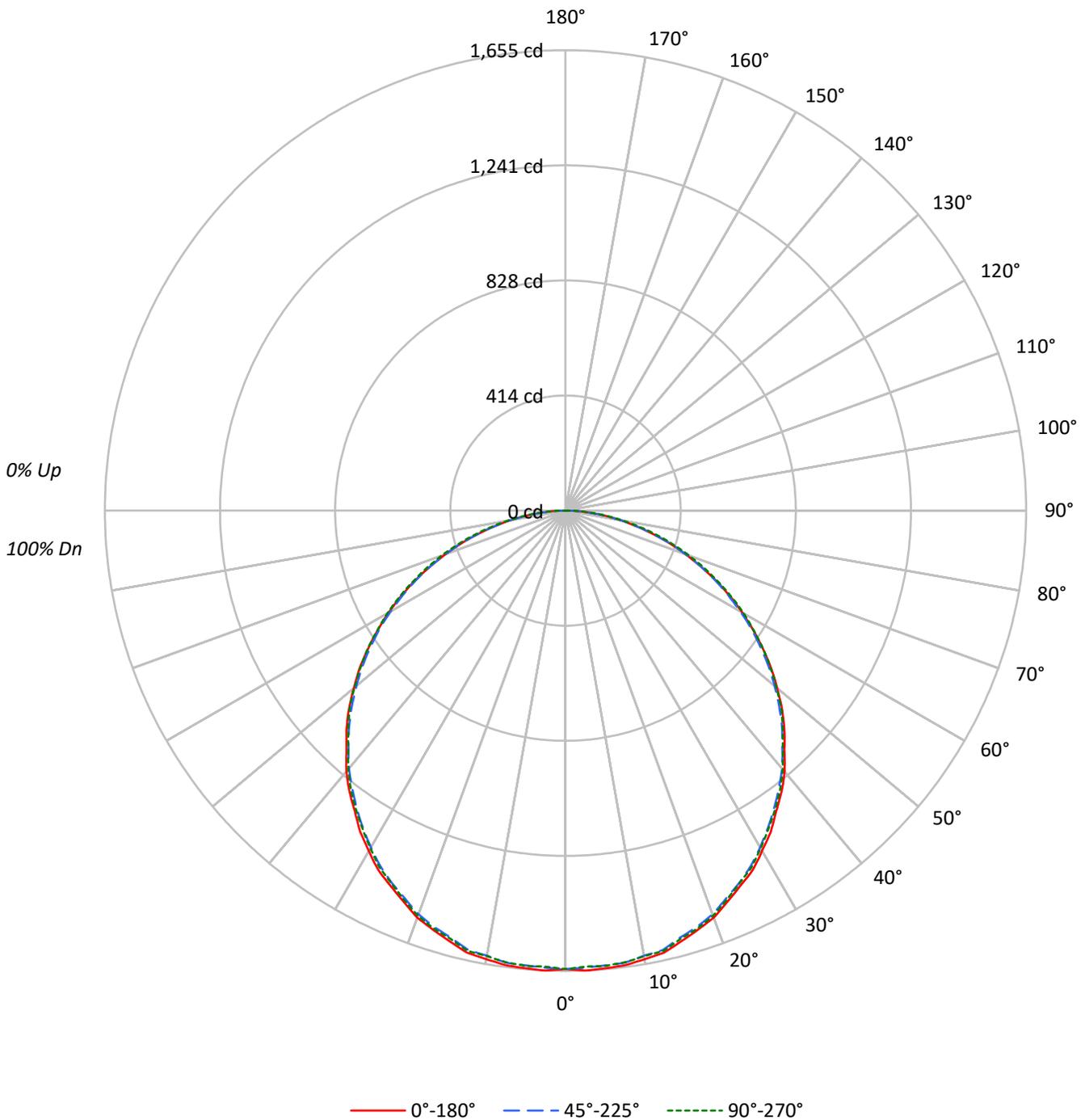
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4792.0 lumens
Efficiency: N/A
Efficacy: 140.5 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

TEST NUMBER: P1053655
CATALOG NUMBER: 14CGTS-L3C3-4000K-HIGH

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	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	100	100	100	100	100	100	100	100	100																	
	1	108	104	99	95	106	101	97	94	97	94	91	93	90	88	90	87	85	85	85	83	83	83	83	83	83	83	83	83																	
	2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	71	71	69	69	69	69	69	69	69	69	69																	
	3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	60	60	58	58	58	58	58	58	58	58	58																	
	4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	62	56	52	52	52	49	49	49	49	49	49	49	49	49																	
	5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	49	45	45	43	43	43	43	43	43	43	43	43	43																	
	6	70	56	47	41	68	55	47	40	53	46	40	52	45	40	50	44	39	39	37	37	37	37	37	37	37	37	37	37																	
	7	65	51	42	36	63	50	42	36	49	41	35	47	40	35	46	40	35	35	33	33	33	33	33	33	33	33	33	33																	
	8	60	46	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31	31	29	29	29	29	29	29	29	29	29	29																	
	9	56	43	34	29	55	42	34	29	41	34	28	40	33	28	39	33	28	28	26	26	26	26	26	26	26	26	26	26																	
	10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	26	24	24	24	24	24	24	24	24	24	24																	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5764	5764	5764
5°	5799	5761	5767
10°	5815	5770	5777
15°	5805	5754	5773
20°	5795	5748	5768
25°	5740	5698	5705
30°	5704	5646	5660
35°	5633	5580	5603
40°	5592	5527	5543
45°	5502	5440	5458
50°	5402	5334	5382
55°	5280	5215	5291
60°	5133	5070	5170
65°	4950	4906	5009
70°	4692	4692	4839
75°	4392	4416	4585
80°	4064	4064	4280
85°	3656	3583	3940

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 5511 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.7	3.3
10°-20°	451.4	9.4
20°-30°	683.7	14.3
30°-40°	823.0	17.2
40°-50°	853.8	17.8
50°-60°	772.1	16.1
60°-70°	593.2	12.4
70°-80°	352.2	7.3
80°-90°	106.0	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°	1291.8	27.0
0°-40°	2114.8	44.1
0°-60°	3740.6	78.1
0°-90°	4792.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4792.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1648	1648	1648	1648	1648	
5°	1652	1652	1641	1644	1643	157
15°	1603	1602	1589	1598	1594	453
25°	1487	1487	1477	1482	1478	687
35°	1320	1320	1307	1314	1312	828
45°	1112	1114	1100	1107	1104	857
55°	866	868	855	864	868	774
65°	598	602	593	602	605	591
75°	325	332	327	338	339	346
85°	91	93	89	96	98	103
90°	0	0	0	0	0	



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CATALOG NUMBER: 14CGTS-L3C3-4000K-HIGH

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1648.1	1648.1	1648.1	1648.1	1648.1
2.5°	1655.2	1655.2	1644.5	1648.1	1640.9
5°	1651.7	1651.7	1640.9	1644.5	1642.7
7.5°	1648.1	1649.9	1639.2	1640.9	1637.4
10°	1637.4	1635.6	1624.9	1630.2	1626.7
12.5°	1628.4	1626.7	1617.7	1623.1	1621.3
15°	1603.4	1601.7	1589.2	1598.1	1594.5
17.5°	1580.2	1580.2	1569.5	1574.9	1574.9
20°	1557.0	1555.2	1544.5	1551.7	1549.9
22.5°	1521.3	1521.3	1508.8	1514.2	1514.2
25°	1487.4	1487.4	1476.7	1482.0	1478.5
27.5°	1457.0	1455.2	1441.0	1448.1	1446.3
30°	1412.4	1410.6	1398.1	1405.2	1401.7
32.5°	1371.3	1366.0	1353.5	1360.6	1357.0
35°	1319.5	1319.5	1307.0	1314.2	1312.4
37.5°	1274.9	1274.9	1258.8	1267.8	1266.0
40°	1224.9	1224.9	1210.6	1216.0	1214.2
42.5°	1164.2	1167.8	1153.5	1160.6	1155.3
45°	1112.4	1114.2	1099.9	1107.1	1103.5
47.5°	1055.3	1057.1	1041.0	1051.7	1051.7
50°	992.8	996.4	980.3	989.2	989.2
52.5°	932.1	933.9	919.6	928.5	928.5
55°	866.0	867.8	855.3	864.2	867.8
57.5°	799.9	803.5	792.8	799.9	801.7
60°	733.9	735.7	724.9	735.7	739.2
62.5°	666.0	667.8	658.9	669.6	673.2
65°	598.2	601.7	592.8	601.7	605.3
67.5°	526.7	533.9	526.7	535.7	539.2
70°	458.9	467.8	458.9	467.8	473.2
72.5°	392.8	400.0	394.6	405.3	407.1
75°	325.0	332.1	326.8	337.5	339.3
77.5°	262.5	267.8	262.5	271.4	275.0
80°	201.8	205.3	201.8	210.7	212.5
82.5°	142.8	148.2	144.6	151.8	153.6
85°	91.1	92.8	89.3	96.4	98.2
87.5°	42.9	44.6	41.1	48.2	48.2
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	17.95	19.60	18.31	19.91	20.23	17.93	19.58	18.29	19.89	20.21
	3H	19.78	21.28	20.16	21.60	21.96	19.81	21.31	20.19	21.63	21.99
	4H	20.48	21.89	20.88	22.24	22.61	20.55	21.96	20.94	22.30	22.68
	6H	21.01	22.32	21.42	22.68	23.07	21.11	22.42	21.52	22.78	23.17
	8H	21.19	22.44	21.61	22.82	23.22	21.31	22.56	21.73	22.95	23.34
	12H	21.31	22.51	21.74	22.89	23.32	21.45	22.65	21.88	23.03	23.46
4H	2H	18.57	19.98	18.97	20.33	20.71	18.56	19.97	18.95	20.31	20.69
	3H	20.64	21.83	21.05	22.23	22.63	20.67	21.86	21.08	22.25	22.65
	4H	21.48	22.56	21.91	22.97	23.40	21.54	22.62	21.97	23.03	23.46
	6H	22.15	23.09	22.60	23.53	23.98	22.24	23.19	22.70	23.63	24.08
	8H	22.38	23.26	22.84	23.70	24.17	22.50	23.38	22.95	23.82	24.28
	12H	22.56	23.35	23.04	23.82	24.29	22.69	23.48	23.17	23.96	24.43
8H	4H	21.81	22.69	22.27	23.14	23.60	21.87	22.75	22.33	23.19	23.65
	6H	22.61	23.35	23.11	23.83	24.31	22.70	23.44	23.19	23.92	24.40
	8H	22.93	23.59	23.43	24.09	24.58	23.04	23.69	23.54	24.20	24.68
	12H	23.19	23.77	23.69	24.26	24.82	23.32	23.90	23.82	24.39	24.95
12H	4H	21.86	22.65	22.34	23.12	23.59	21.91	22.70	22.39	23.17	23.64
	6H	22.68	23.34	23.19	23.85	24.33	22.76	23.42	23.27	23.93	24.42
	8H	23.06	23.64	23.56	24.13	24.69	23.16	23.74	23.67	24.23	24.79