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: P1555029

Luminaire Tested: 24CGTS-L3C3 3500 - MEDIUM

Issue Date: 9/2/2026

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P1555029
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2605-801-3)
Test Lab:	INNOVATION CENTER
Issue Date:	9/2/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	METALUX
Catalog Number:	24CGTS-L3C3 3500 - MEDIUM
Description:	CGT Selectable Lumens and CCT, Backlit Panel, 2x4 3500 MEDIUM
Light Source:	
Ballast/Driver:	-

Summary

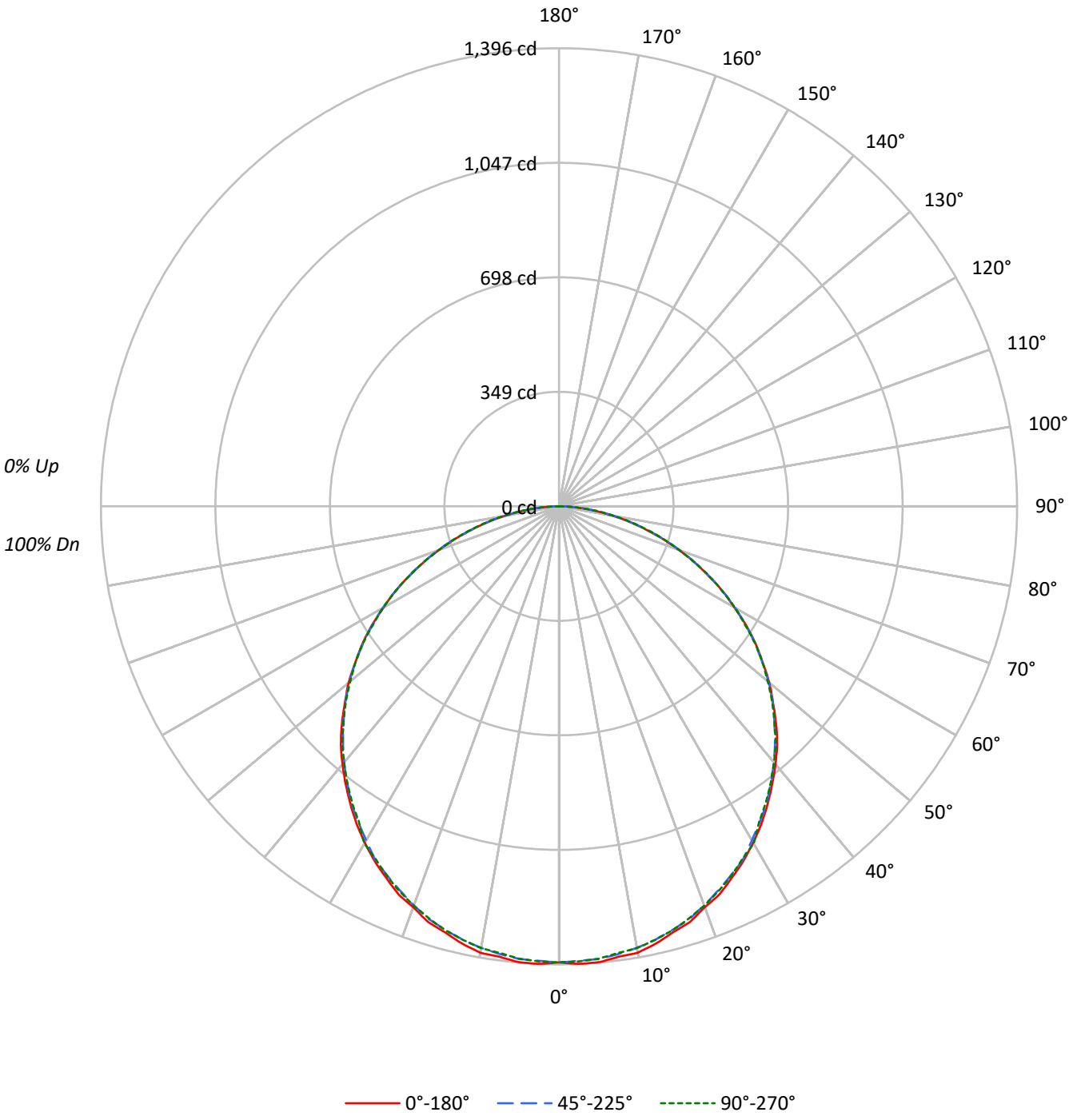
Lumens per Lamp:	N/A
Luminaire Lumens:	4023.0 lumens
Efficiency:	N/A
Efficacy:	130.6 lumens/watt
Spacing Criteria (0/90/45):	1.26 / 1.26 / 1.38
Luminous Opening:	Rectangular (W 2' x L: 4' x H: 0')
CIE Type:	Direct
Input Watts (W):	30.8
Input Voltage (V):	
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	
Total Harmonic Distortion (THDi):	
Frequency (hertz):	60
Stabilization Time:	HR
Operation Time:	HR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1555029
CATALOG NUMBER: 24CGTS-L3C3 3500 - MEDIUM

Luminous Intensity Polar Plot



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1555029
CATALOG NUMBER: 24CGTS-L3C3 3500 - MEDIUM

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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	99	95	106	101	97	94	97	94	91	93	90	88	90	87	85	83
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	61	56	52	49
5	75	62	53	47	73	61	53	46	59	52	46	57	50	45	55	49	45	43
6	70	56	47	41	68	55	47	40	53	46	40	52	45	40	50	44	39	37
7	65	51	42	36	63	50	42	36	48	41	35	47	40	35	46	40	35	33
8	60	46	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	28	40	33	28	39	33	28	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1870	1870	1870
5°	1884	1870	1869
10°	1887	1867	1868
15°	1872	1862	1863
20°	1861	1853	1854
25°	1853	1841	1844
30°	1839	1826	1843
35°	1821	1812	1807
40°	1803	1790	1790
45°	1780	1766	1766
50°	1752	1745	1738
55°	1716	1711	1712
60°	1661	1670	1668
65°	1606	1609	1612
70°	1531	1541	1535
75°	1433	1446	1455
80°	1295	1320	1346
85°	1122	1173	1173

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 1780 cd/sqm

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1555029
CATALOG NUMBER: 24CGTS-L3C3 3500 - MEDIUM

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.7	3.3
10°-20°	377.6	9.4
20°-30°	572.6	14.2
30°-40°	690.3	17.2
40°-50°	718.4	17.9
50°-60°	651.5	16.2
60°-70°	500.3	12.4
70°-80°	294.5	7.3
80°-90°	86.0	2.1
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°	1081.9	26.9
0°-40°	1772.2	44.1
0°-60°	3142.2	78.1
0°-90°	4023.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4023.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1390	1390	1390	1390	1390	
5°	1395	1392	1385	1382	1384	133
15°	1344	1338	1336	1336	1337	380
25°	1248	1244	1240	1240	1242	575
35°	1108	1107	1103	1101	1100	694
45°	936	934	928	930	928	721
55°	732	732	729	728	730	653
65°	504	504	505	504	506	499
75°	276	276	278	282	280	292
85°	73	74	76	77	76	83
90°	0	0	0	0	0	

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1555029
CATALOG NUMBER: 24CGTS-L3C3 3500 - MEDIUM

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	*1389.9*	1389.9	1389.9	1389.9	1389.9
2.5°	*1395.7*	*1390.7*	*1386.6*	*1385.7*	*1388.2*
5°	*1394.9*	1391.6	1384.9	1382.4	1384.0
7.5°	*1384.9*	1380.7	1376.5	1374.9	1373.2
10°	*1381.5*	1369.8	1366.5	1364.8	1367.3
12.5°	*1364.8*	1356.5	1353.1	1352.3	1353.1
15°	*1344.0*	1338.1	1336.4	1335.6	1337.3
17.5°	*1328.1*	1317.2	1318.9	1313.9	1317.2
20°	*1299.7*	1296.3	1293.8	1293.8	1294.7
22.5°	*1279.6*	1272.1	1267.1	1267.9	1269.6
25°	*1247.9*	1243.7	1240.4	1240.4	1242.1
27.5°	*1217.8*	1211.1	1213.7	1209.5	1211.1
30°	*1183.6*	1178.6	1175.2	1176.1	1186.1
32.5°	*1147.7*	1143.5	1139.3	1140.1	1136.8
35°	*1108.4*	1106.7	1103.4	1100.9	1100.1
37.5°	*1067.5*	1065.8	1060.0	1060.8	1060.0
40°	*1026.6*	1023.2	1019.0	1020.7	1019.0
42.5°	*984.0*	979.8	973.9	979.8	977.3
45°	*935.5*	933.8	928.0	929.7	928.0
47.5°	*884.6*	885.4	882.9	883.7	881.2
50°	*836.9*	836.1	833.6	832.8	830.3
52.5°	*782.7*	783.5	781.8	781.0	781.8
55°	*731.7*	731.7	729.2	727.5	730.0
57.5°	*676.6*	674.9	675.7	674.1	672.4
60°	*617.3*	618.1	620.6	617.3	619.8
62.5°	*563.8*	564.6	563.0	563.0	563.0
65°	*504.5*	504.5	505.3	504.5	506.2
67.5°	*446.9*	450.2	449.4	447.7	446.9
70°	*389.2*	391.7	391.7	390.9	390.1
72.5°	*331.6*	332.4	334.9	335.8	335.8
75°	*275.6*	275.6	278.1	281.5	279.8
77.5°	*221.3*	222.2	223.9	225.5	224.7
80°	*167.1*	169.6	170.4	172.1	173.7
82.5°	*117.8*	120.3	121.1	122.8	125.3
85°	*72.7*	73.5	76.0	76.8	76.0
87.5°	*30.9*	31.7	34.2	37.6	36.8
90°	*0.0*	0.0	0.0	0.0	0.0

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1555029
CATALOG NUMBER: 24CGTS-L3C3 3500 - MEDIUM

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	14.0	15.7	14.4	16.0	16.3	14.0	15.7	14.4	16.0	16.3
	3H	15.9	17.4	16.3	17.7	18.1	15.9	17.4	16.2	17.7	18.0
	4H	16.6	18.0	17.0	18.3	18.7	16.6	18.0	17.0	18.3	18.7
	6H	17.1	18.4	17.5	18.8	19.2	17.1	18.4	17.5	18.8	19.2
	8H	17.3	18.5	17.7	18.9	19.3	17.3	18.6	17.7	19.0	19.4
	12H	17.4	18.6	17.8	19.0	19.4	17.4	18.6	17.9	19.0	19.4
4H	2H	14.7	16.1	15.1	16.4	16.8	14.7	16.1	15.1	16.4	16.8
	3H	16.8	17.9	17.2	18.3	18.7	16.7	17.9	17.2	18.3	18.7
	4H	17.6	18.6	18.0	19.1	19.5	17.6	18.7	18.0	19.1	19.5
	6H	18.2	19.2	18.7	19.6	20.1	18.3	19.2	18.7	19.7	20.1
	8H	18.4	19.3	18.9	19.8	20.2	18.5	19.4	19.0	19.8	20.3
	12H	18.6	19.4	19.1	19.9	20.3	18.7	19.5	19.2	20.0	20.4
8H	4H	17.9	18.8	18.4	19.2	19.7	17.9	18.8	18.4	19.3	19.7
	6H	18.7	19.4	19.2	19.9	20.4	18.7	19.5	19.2	20.0	20.4
	8H	19.0	19.6	19.5	20.2	20.6	19.1	19.7	19.6	20.2	20.7
	12H	19.2	19.8	19.7	20.3	20.9	19.3	19.9	19.8	20.4	20.9
12H	4H	18.0	18.7	18.4	19.2	19.7	18.0	18.8	18.4	19.2	19.7
	6H	18.8	19.4	19.3	19.9	20.4	18.8	19.5	19.3	19.9	20.5
	8H	19.1	19.7	19.6	20.2	20.7	19.2	19.8	19.7	20.2	20.8

(END OF REPORT)