

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: P1053677

Luminaire Tested: 24CGTS-L3C3-5000K-LOW

Issue Date: 7/22/2025

Test Information

Test Method: LM-79-2019
Report Number: P1053677
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2412-301-11)
Test Lab: INNOVATION CENTER
Issue Date: 7/22/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 24CGTS-L3C3-5000K-LOW
Description: 2x4 Selectable Lumens and CCT LED Backlit Panel at 5000K CCT and LOW lumen settings
Light Source: -
Ballast/Driver: -

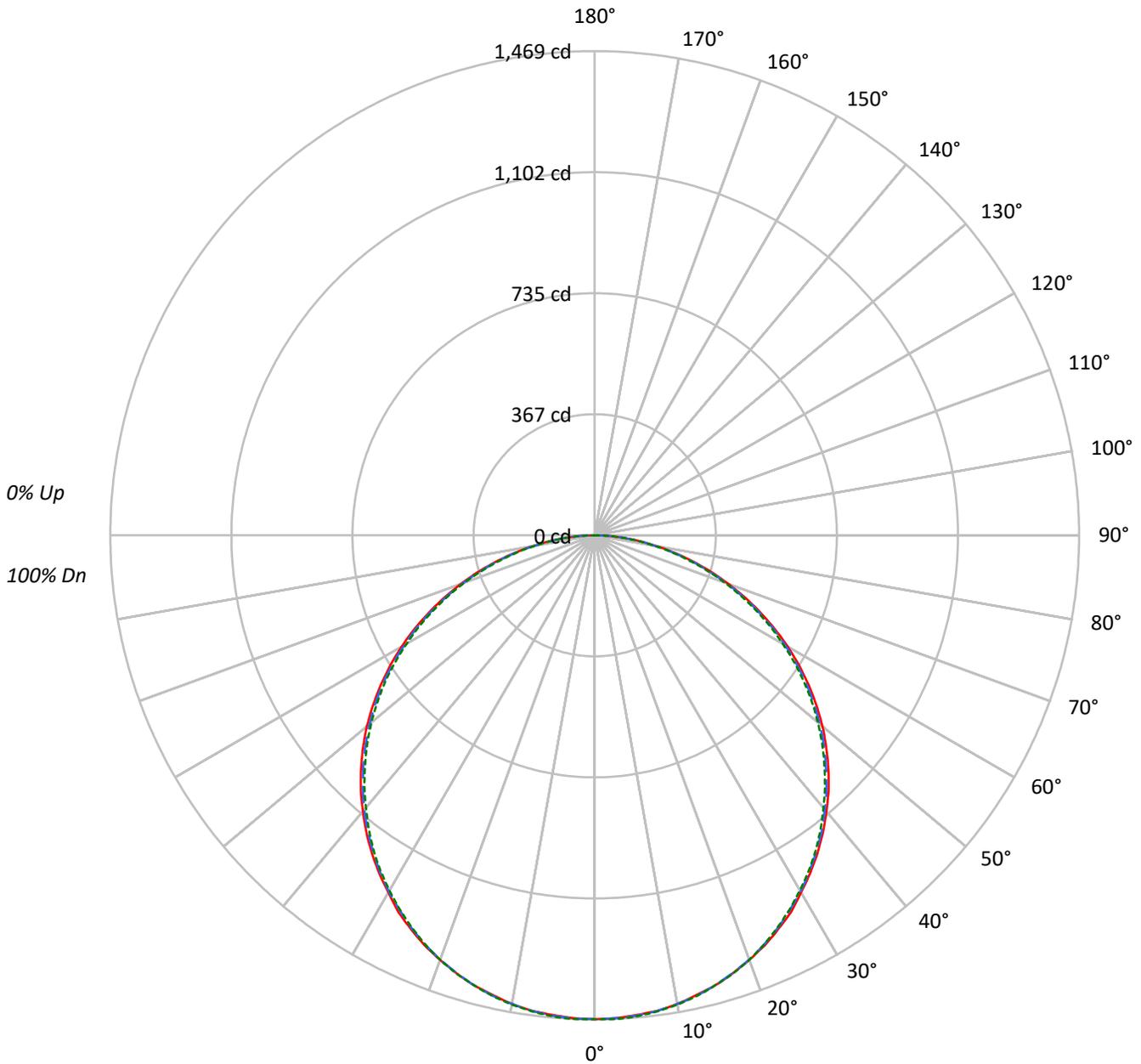
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4299.0 lumens
Efficiency: N/A
Efficacy: 149.3 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.26 / 1.38
Luminous Opening: Rectangular (W 1.81' x L: 3.81' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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: P1053677
CATALOG NUMBER: 24CGTS-L3C3-5000K-LOW

Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270°



TEST NUMBER: P1053677

CATALOG NUMBER: 24CGTS-L3C3-5000K-LOW

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	89	87	85	85	85	85	83
2	98	90	83	77	96	88	82	76	84	79	74	81	77	73	78	74	71	71	71	71	69
3	90	79	70	64	87	77	69	63	74	68	62	71	66	61	69	64	60	60	60	60	58
4	82	70	61	54	80	68	60	54	66	59	53	63	57	52	61	56	51	51	51	51	49
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	45	45	45	42
6	69	56	47	40	68	55	46	40	53	46	40	51	45	39	50	44	39	39	39	39	37
7	64	51	42	36	63	50	41	35	48	41	35	47	40	35	45	39	35	35	35	35	33
8	60	46	38	32	58	46	37	32	44	37	31	43	36	31	42	36	31	31	31	31	29
9	56	42	34	28	55	42	34	28	41	33	28	40	33	28	39	32	28	28	28	28	26
10	52	39	31	26	51	39	31	26	38	30	26	37	30	25	36	30	25	25	25	25	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2287	2287	2287
5°	2285	2288	2291
10°	2284	2284	2287
15°	2280	2280	2280
20°	2273	2271	2273
25°	2266	2259	2255
30°	2251	2245	2238
35°	2239	2228	2222
40°	2223	2209	2194
45°	2208	2185	2170
50°	2185	2158	2141
55°	2149	2127	2105
60°	2106	2077	2052
65°	2043	2017	1991
70°	1966	1934	1911
75°	1866	1830	1799
80°	1718	1682	1654
85°	1557	1521	1485

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2208 cd/sqm



TEST NUMBER: P1053677
 CATALOG NUMBER: 24CGTS-L3C3-5000K-LOW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.2	3.2
10°-20°	399.3	9.3
20°-30°	606.3	14.1
30°-40°	733.0	17.1
40°-50°	765.2	17.8
50°-60°	698.6	16.2
60°-70°	540.4	12.6
70°-80°	320.9	7.5
80°-90°	96.1	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°	1144.8	26.6
0°-40°	1877.9	43.7
0°-60°	3341.6	77.7
0°-90°	4299.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4299.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1468	1468	1468	1468	1468	
5°	1461	1466	1463	1465	1465	139
15°	1414	1416	1414	1417	1414	399
25°	1318	1316	1314	1314	1312	608
35°	1178	1174	1171	1167	1168	737
45°	1002	996	992	986	985	773
55°	791	785	783	778	775	707
65°	554	548	547	542	540	549
75°	310	304	304	299	299	328
85°	87	84	85	86	83	98
90°	0	0	0	0	0	



TEST NUMBER: P1053677

CATALOG NUMBER: 24CGTS-L3C3-5000K-LOW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1468.3	1468.3	1468.3	1468.3	1468.3
2.5°	1466.3	1469.3	1466.3	1470.3	1469.3
5°	1461.2	1466.3	1463.2	1465.2	1465.2
7.5°	1455.1	1457.1	1455.1	1459.2	1457.1
10°	1444.0	1448.0	1444.0	1449.0	1446.0
12.5°	1428.8	1432.8	1430.8	1433.8	1431.8
15°	1413.6	1415.6	1413.6	1416.6	1413.6
17.5°	1393.3	1395.3	1392.3	1395.3	1394.3
20°	1371.0	1373.0	1370.0	1372.0	1371.0
22.5°	1346.7	1348.7	1343.6	1344.7	1343.6
25°	1318.3	1316.3	1314.3	1314.3	1312.2
27.5°	1288.9	1285.9	1281.8	1281.8	1279.8
30°	1251.4	1251.4	1248.4	1245.4	1244.3
32.5°	1216.0	1213.9	1210.9	1209.9	1207.9
35°	1177.5	1174.4	1171.4	1167.3	1168.3
37.5°	1136.9	1132.9	1130.9	1125.8	1124.8
40°	1093.4	1090.3	1086.3	1080.2	1079.2
42.5°	1049.8	1044.7	1040.7	1034.6	1033.6
45°	1002.2	996.1	992.0	986.0	984.9
47.5°	952.5	945.4	942.4	937.3	935.3
50°	901.8	893.7	890.7	884.6	883.6
52.5°	847.1	841.0	838.0	830.9	829.9
55°	791.4	785.3	783.3	778.2	775.2
57.5°	734.7	728.6	725.5	720.5	717.4
60°	675.9	669.8	666.8	660.7	658.7
62.5°	616.1	609.0	608.0	602.9	600.9
65°	554.3	548.2	547.2	542.1	540.1
67.5°	493.5	487.4	486.4	482.3	480.3
70°	431.7	424.6	424.6	420.5	419.5
72.5°	370.9	363.8	363.8	359.7	358.7
75°	310.1	304.0	304.0	298.9	298.9
77.5°	250.3	245.2	246.2	244.2	241.2
80°	191.5	187.5	187.5	186.4	184.4
82.5°	137.8	133.8	134.8	135.8	131.7
85°	87.1	84.1	85.1	86.1	83.1
87.5°	40.5	37.5	39.5	41.5	39.5
90°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1053677
 CATALOG NUMBER: 24CGTS-L3C3-5000K-LOW

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	14.84	16.50	15.21	16.82	17.13	14.75	16.41	15.11	16.72	17.03
	3H	16.73	18.23	17.11	18.56	18.92	16.62	18.12	17.00	18.45	18.81
	4H	17.46	18.88	17.86	19.22	19.60	17.33	18.75	17.73	19.09	19.47
	6H	18.02	19.33	18.43	19.69	20.08	17.88	19.19	18.29	19.55	19.94
	8H	18.20	19.46	18.63	19.85	20.25	18.06	19.32	18.48	19.70	20.10
	12H	18.34	19.54	18.77	19.93	20.35	18.19	19.39	18.62	19.77	20.20
4H	2H	15.49	16.91	15.89	17.26	17.63	15.42	16.84	15.82	17.18	17.56
	3H	17.60	18.79	18.01	19.19	19.59	17.51	18.70	17.92	19.10	19.50
	4H	18.46	19.54	18.89	19.95	20.38	18.35	19.43	18.78	19.84	20.28
	6H	19.15	20.09	19.60	20.53	20.99	19.03	19.98	19.49	20.42	20.87
	8H	19.39	20.27	19.85	20.72	21.18	19.27	20.15	19.73	20.60	21.06
	12H	19.57	20.37	20.05	20.85	21.31	19.45	20.25	19.93	20.72	21.19
8H	4H	18.79	19.68	19.25	20.12	20.58	18.70	19.59	19.16	20.03	20.49
	6H	19.61	20.35	20.10	20.83	21.31	19.51	20.25	20.00	20.74	21.21
	8H	19.93	20.59	20.44	21.10	21.58	19.83	20.50	20.34	21.00	21.49
	12H	20.20	20.78	20.70	21.27	21.83	20.10	20.69	20.60	21.18	21.74
12H	4H	18.83	19.63	19.31	20.10	20.57	18.74	19.54	19.22	20.01	20.48
	6H	19.68	20.34	20.18	20.85	21.33	19.58	20.25	20.09	20.75	21.24
	8H	20.06	20.65	20.56	21.14	21.69	19.97	20.55	20.47	21.04	21.60