

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: P1053675

Luminaire Tested: 24CGTS-L3C3-4000K-MEDIUM

Issue Date: 7/22/2025

Test Information

Test Method: LM-79-2019
Report Number: P1053675
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-L3C3-4000K-MEDIUM
Description: 2x4 Selectable Lumens and CCT LED Backlit Panel at 4000K CCT and MEDIUM lumen settings
Light Source: -
Ballast/Driver: -

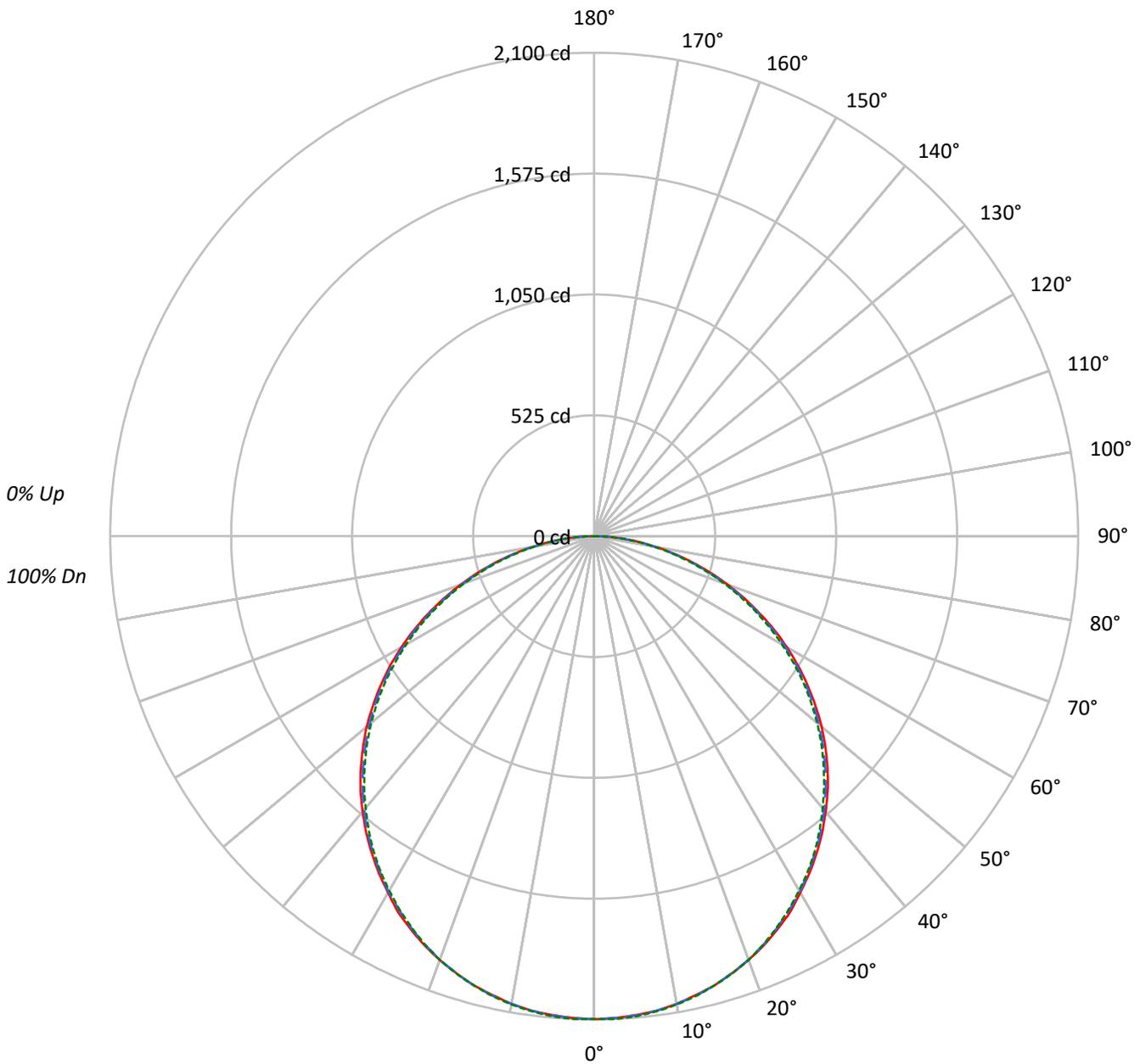
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6143.0 lumens
Efficiency: N/A
Efficacy: 147.7 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): 41.6
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

TEST NUMBER: P1053675
CATALOG NUMBER: 24CGTS-L3C3-4000K-MEDIUM

Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - · - · 90°-270°



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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	100				100
1	108	104	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	83				83
2	98	90	83	77	96	88	82	76	84	79	74	81	77	73	78	74	71	69				69
3	90	79	70	64	87	77	69	63	74	68	62	71	66	61	69	64	60	58				58
4	82	70	61	54	80	68	60	54	66	59	53	63	57	52	61	56	51	49				49
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	42				42
6	69	56	47	40	68	55	46	40	53	46	40	51	45	39	50	44	39	37				37
7	64	51	42	36	63	50	41	35	48	41	35	47	40	35	45	39	35	33				33
8	60	46	38	32	58	46	37	32	44	37	31	43	36	31	42	36	31	29				29
9	56	42	34	28	55	42	34	28	41	33	28	40	33	28	39	32	28	26				26
10	52	39	31	26	51	39	31	26	38	30	26	37	30	25	36	30	25	24				24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3268	3268	3268
5°	3265	3269	3274
10°	3264	3264	3268
15°	3257	3257	3257
20°	3248	3245	3248
25°	3238	3228	3223
30°	3216	3209	3198
35°	3199	3183	3175
40°	3177	3156	3136
45°	3155	3123	3100
50°	3123	3084	3060
55°	3071	3040	3008
60°	3009	2968	2932
65°	2919	2882	2845
70°	2809	2763	2730
75°	2667	2614	2570
80°	2455	2403	2364
85°	2225	2173	2121

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 3155 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	198.9	3.2
10°-20°	570.6	9.3
20°-30°	866.4	14.1
30°-40°	1047.5	17.1
40°-50°	1093.4	17.8
50°-60°	998.2	16.2
60°-70°	772.3	12.6
70°-80°	458.6	7.5
80°-90°	137.3	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°	1635.9	26.6
0°-40°	2683.3	43.7
0°-60°	4774.9	77.7
0°-90°	6143.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6143.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2098	2098	2098	2098	2098	
5°	2088	2095	2091	2094	2094	199
15°	2020	2023	2020	2024	2020	570
25°	1884	1881	1878	1878	1875	868
35°	1682	1678	1674	1668	1670	1053
45°	1432	1423	1418	1409	1407	1104
55°	1131	1122	1119	1112	1108	1011
65°	792	783	782	775	772	784
75°	443	434	434	427	427	468
85°	124	120	122	123	119	140
90°	0	0	0	0	0	



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CATALOG NUMBER: 24CGTS-L3C3-4000K-MEDIUM

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2098.1	2098.1	2098.1	2098.1	2098.1
2.5°	2095.2	2099.5	2095.2	2101.0	2099.5
5°	2088.0	2095.2	2090.8	2093.7	2093.7
7.5°	2079.3	2082.2	2079.3	2085.1	2082.2
10°	2063.3	2069.1	2063.3	2070.6	2066.2
12.5°	2041.6	2047.4	2044.5	2048.9	2046.0
15°	2019.9	2022.8	2019.9	2024.2	2019.9
17.5°	1990.9	1993.8	1989.5	1993.8	1992.4
20°	1959.1	1962.0	1957.6	1960.5	1959.1
22.5°	1924.3	1927.2	1920.0	1921.4	1920.0
25°	1883.8	1880.9	1878.0	1878.0	1875.1
27.5°	1841.8	1837.5	1831.7	1831.7	1828.8
30°	1788.2	1788.2	1783.9	1779.5	1778.1
32.5°	1737.5	1734.7	1730.3	1728.9	1726.0
35°	1682.5	1678.2	1673.8	1668.0	1669.5
37.5°	1624.6	1618.8	1615.9	1608.7	1607.2
40°	1562.3	1558.0	1552.2	1543.5	1542.1
42.5°	1500.1	1492.8	1487.1	1478.4	1476.9
45°	1432.0	1423.3	1417.5	1408.9	1407.4
47.5°	1361.1	1350.9	1346.6	1339.4	1336.5
50°	1288.7	1277.1	1272.8	1264.1	1262.6
52.5°	1210.5	1201.8	1197.5	1187.3	1185.9
55°	1130.9	1122.2	1119.3	1112.0	1107.7
57.5°	1049.8	1041.1	1036.7	1029.5	1025.2
60°	965.8	957.1	952.8	944.1	941.2
62.5°	880.4	870.2	868.8	861.5	858.6
65°	792.0	783.3	781.9	774.7	771.8
67.5°	705.2	696.5	695.0	689.2	686.3
70°	616.8	606.7	606.7	600.9	599.5
72.5°	530.0	519.8	519.8	514.0	512.6
75°	443.1	434.4	434.4	427.1	427.1
77.5°	357.6	350.4	351.9	349.0	344.6
80°	273.7	267.9	267.9	266.4	263.5
82.5°	196.9	191.1	192.6	194.0	188.2
85°	124.5	120.2	121.6	123.1	118.7
87.5°	57.9	53.6	56.5	59.4	56.5
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	16.08	17.74	16.45	18.06	18.37	15.99	17.65	16.35	17.96	18.27
	3H	17.97	19.47	18.35	19.80	20.16	17.86	19.36	18.24	19.69	20.05
	4H	18.70	20.11	19.10	20.46	20.84	18.57	19.99	18.97	20.33	20.71
	6H	19.26	20.57	19.67	20.93	21.32	19.12	20.43	19.53	20.79	21.18
	8H	19.44	20.70	19.87	21.09	21.49	19.30	20.56	19.72	20.94	21.34
	12H	19.58	20.78	20.01	21.17	21.59	19.43	20.63	19.86	21.01	21.44
4H	2H	16.73	18.15	17.13	18.50	18.87	16.66	18.08	17.06	18.42	18.80
	3H	18.84	20.03	19.25	20.43	20.83	18.75	19.94	19.16	20.34	20.74
	4H	19.70	20.78	20.13	21.19	21.62	19.59	20.67	20.02	21.08	21.52
	6H	20.39	21.33	20.84	21.77	22.23	20.27	21.22	20.73	21.66	22.11
	8H	20.63	21.51	21.09	21.96	22.42	20.51	21.39	20.97	21.84	22.30
	12H	20.81	21.61	21.29	22.09	22.55	20.69	21.49	21.17	21.96	22.43
8H	4H	20.03	20.92	20.49	21.36	21.82	19.94	20.83	20.40	21.27	21.73
	6H	20.85	21.59	21.34	22.07	22.55	20.75	21.49	21.24	21.98	22.45
	8H	21.17	21.83	21.68	22.34	22.82	21.07	21.74	21.58	22.24	22.73
	12H	21.44	22.02	21.94	22.51	23.07	21.34	21.93	21.85	22.42	22.98
12H	4H	20.07	20.87	20.55	21.34	21.81	19.98	20.78	20.46	21.25	21.72
	6H	20.92	21.58	21.42	22.09	22.57	20.82	21.49	21.33	21.99	22.48
	8H	21.30	21.89	21.80	22.37	22.93	21.21	21.79	21.71	22.28	22.84