

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P568530

Luminaire Tested: **24CGTX-30-L835**

Issue Date: 9/19/2022



Test Information

Test Method: LM-79-08
Report Number: P568530
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2206-672-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/19/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 24CGTX-30-L835
Description: 2X4 3000 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3500K, 80CRI LEDS
Light Source: -
Ballast/Driver: -

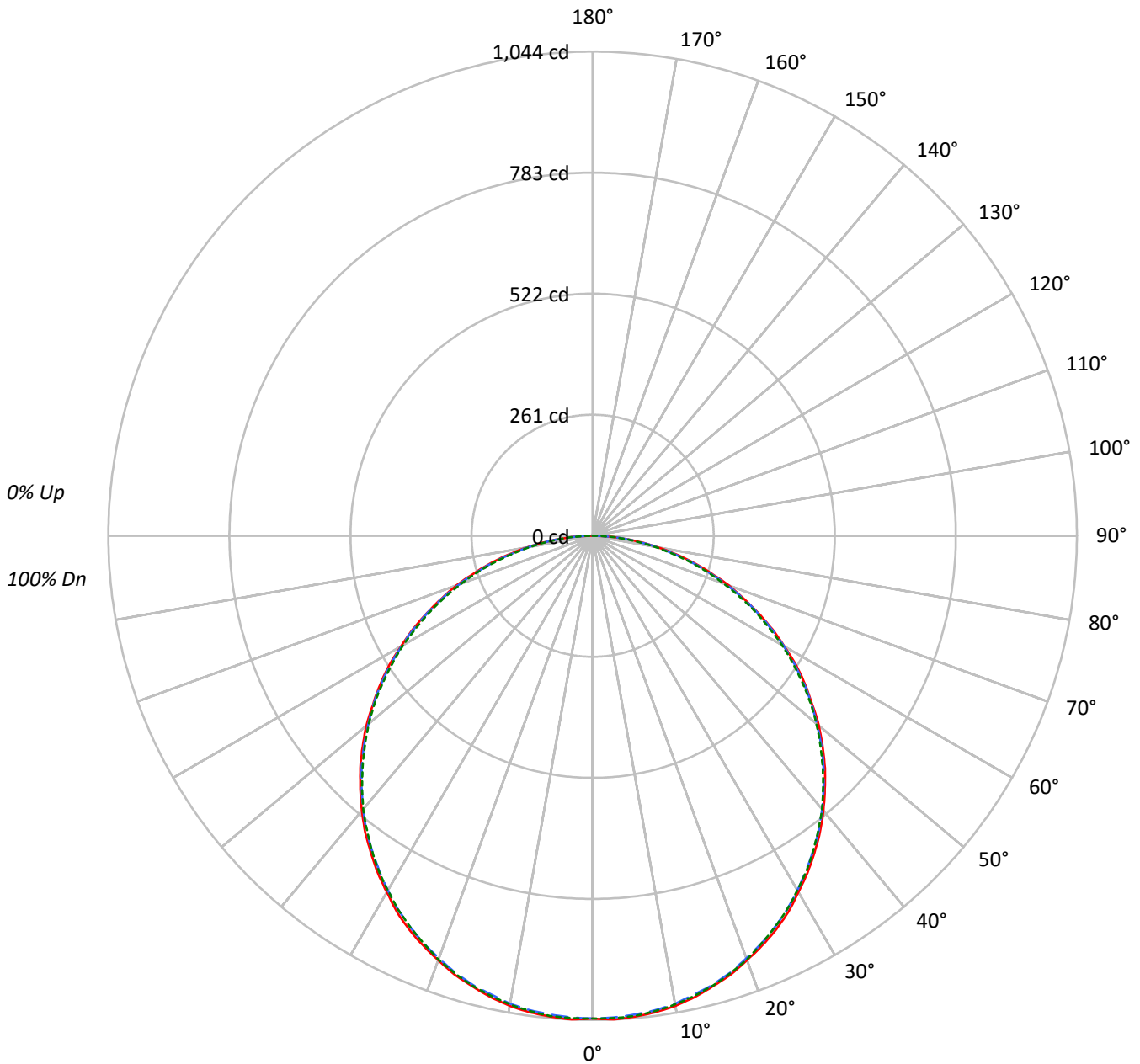
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3059.0 lumens
Efficiency: N/A
Efficacy: 129.1 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.26 / 1.38
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 23.7
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: 25 FT

TEST NUMBER: P568530
CATALOG NUMBER: 24CGTX-30-L835

Luminous Intensity Polar Plot





TEST NUMBER: P568530

CATALOG NUMBER: 24CGTX-30-L835

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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																			
1	108	103	99	95	106	101	97	93	97	94	90	93	90	88	89	87	85	83																			
2	98	90	83	77	96	88	81	76	84	79	74	81	76	72	78	74	71	69																			
3	89	79	70	64	87	77	69	63	74	67	62	71	66	61	69	64	60	58																			
4	82	70	61	54	79	68	60	53	66	58	53	63	57	52	61	56	51	49																			
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42																			
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37																			
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	32																			
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29																			
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26																			
10	52	39	31	26	51	38	31	26	37	30	26	37	30	25	36	30	25	24																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1401	1401	1401
5°	1406	1400	1404
10°	1406	1400	1402
15°	1400	1396	1398
20°	1394	1388	1392
25°	1390	1382	1382
30°	1379	1372	1372
35°	1369	1362	1362
40°	1359	1352	1352
45°	1348	1340	1334
50°	1333	1321	1317
55°	1312	1305	1294
60°	1284	1280	1268
65°	1253	1249	1230
70°	1226	1203	1179
75°	1179	1147	1124
80°	1110	1086	1040
85°	1013	990	943



TEST NUMBER: P568530
 CATALOG NUMBER: 24CGTX-30-L835

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.6	3.2
10°-20°	282.8	9.2
20°-30°	429.2	14.0
30°-40°	519.4	17.0
40°-50°	542.6	17.7
50°-60°	496.3	16.2
60°-70°	386.3	12.6
70°-80°	232.8	7.6
80°-90°	70.9	2.3
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°	810.7	26.5
0°-40°	1330.1	43.5
0°-60°	2369.0	77.4
0°-90°	3059.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3059.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1041	1041	1041	1041	1041	
5°	1041	1038	1036	1036	1040	99
15°	1005	1002	1002	1001	1004	284
25°	937	932	931	929	931	431
35°	834	831	829	829	829	522
45°	708	704	704	701	701	546
55°	559	558	556	552	552	500
65°	394	394	392	386	386	390
75°	227	224	221	216	216	239
85°	66	64	64	61	61	73
90°	0	0	0	0	0	



TEST NUMBER: P568530

CATALOG NUMBER: 24CGTX-30-L835

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1041.0	1041.0	1041.0	1041.0	1041.0
2.5°	1044.0	1041.0	1039.5	1039.5	1041.0
5°	1041.0	1038.0	1036.5	1036.5	1039.5
7.5°	1036.5	1032.1	1032.1	1030.6	1033.6
10°	1029.1	1024.6	1024.6	1023.1	1026.1
12.5°	1018.6	1014.2	1012.7	1012.7	1015.7
15°	1005.2	1002.2	1002.2	1000.7	1003.7
17.5°	991.8	987.3	987.3	985.8	988.8
20°	973.9	970.9	969.4	969.4	972.4
22.5°	956.0	953.0	951.5	951.5	951.5
25°	936.6	932.1	930.6	929.2	930.6
27.5°	914.2	908.3	908.3	906.8	908.3
30°	887.4	884.4	882.9	881.4	882.9
32.5°	862.0	857.6	856.1	857.6	857.6
35°	833.7	830.7	829.2	829.2	829.2
37.5°	805.4	800.9	800.9	799.4	799.4
40°	774.0	771.1	769.6	769.6	769.6
42.5°	741.2	738.3	736.8	735.3	735.3
45°	708.4	704.0	704.0	701.0	701.0
47.5°	672.6	669.6	668.2	665.2	665.2
50°	636.8	633.9	630.9	630.9	629.4
52.5°	596.6	596.6	595.1	592.1	592.1
55°	559.3	557.8	556.3	551.8	551.8
57.5°	520.5	519.0	516.0	511.6	511.6
60°	477.3	477.3	475.8	469.8	471.3
62.5°	437.0	435.5	434.0	429.5	428.0
65°	393.7	393.7	392.2	386.3	386.3
67.5°	352.0	352.0	349.0	343.0	343.0
70°	311.7	307.2	305.7	301.3	299.8
72.5°	267.0	265.5	262.5	258.0	258.0
75°	226.7	223.7	220.7	216.3	216.3
77.5°	183.4	180.5	177.5	176.0	173.0
80°	143.2	141.7	140.2	135.7	134.2
82.5°	102.9	101.4	99.9	98.4	96.9
85°	65.6	64.1	64.1	61.1	61.1
87.5°	28.3	29.8	26.8	28.3	26.8
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







(END OF REPORT)