

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: P568520

Luminaire Tested: **24CGTX-30-L930**

Issue Date: 9/19/2022



Test Information

Test Method: LM-79-08
Report Number: P568520
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-L930
Description: 2X4 3000 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3000K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

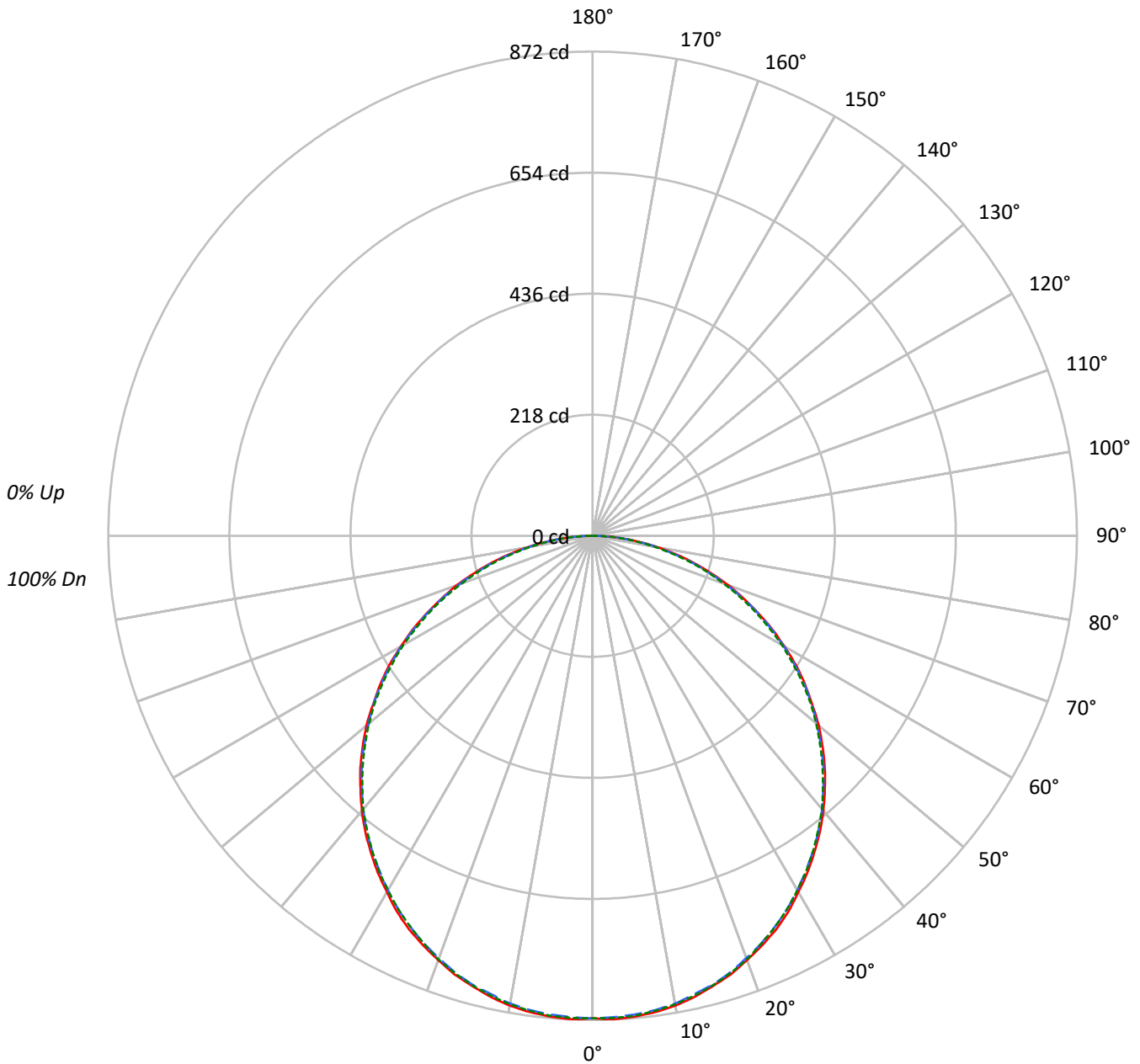
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2554.0 lumens
Efficiency: N/A
Efficacy: 107.8 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

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Luminous Intensity Polar Plot





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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	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°	1169	1169	1169
5°	1174	1169	1172
10°	1174	1169	1170
15°	1169	1166	1167
20°	1164	1159	1163
25°	1161	1154	1154
30°	1151	1145	1145
35°	1143	1137	1137
40°	1135	1128	1128
45°	1126	1118	1114
50°	1113	1102	1100
55°	1095	1090	1081
60°	1072	1069	1059
65°	1046	1043	1027
70°	1024	1004	985
75°	984	958	939
80°	926	907	869
85°	846	826	789



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.4	3.2
10°-20°	236.1	9.2
20°-30°	358.4	14.0
30°-40°	433.6	17.0
40°-50°	453.0	17.7
50°-60°	414.4	16.2
60°-70°	322.5	12.6
70°-80°	194.4	7.6
80°-90°	59.2	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°	676.9	26.5
0°-40°	1110.5	43.5
0°-60°	1977.8	77.4
0°-90°	2554.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2554.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	869	869	869	869	869	
5°	869	867	865	865	868	83
15°	839	837	837	836	838	237
25°	782	778	777	776	777	360
35°	696	694	692	692	692	436
45°	592	588	588	585	585	456
55°	467	466	464	461	461	417
65°	329	329	328	322	322	326
75°	189	187	184	181	181	199
85°	55	54	54	51	51	61
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	869.2	869.2	869.2	869.2	869.2
2.5°	871.6	869.2	867.9	867.9	869.2
5°	869.2	866.7	865.4	865.4	867.9
7.5°	865.4	861.7	861.7	860.4	862.9
10°	859.2	855.5	855.5	854.2	856.7
12.5°	850.5	846.7	845.5	845.5	848.0
15°	839.3	836.8	836.8	835.5	838.0
17.5°	828.1	824.3	824.3	823.1	825.6
20°	813.1	810.6	809.4	809.4	811.9
22.5°	798.2	795.7	794.4	794.4	794.4
25°	782.0	778.3	777.0	775.8	777.0
27.5°	763.3	758.3	758.3	757.1	758.3
30°	740.9	738.4	737.2	735.9	737.2
32.5°	719.7	716.0	714.7	716.0	716.0
35°	696.1	693.6	692.3	692.3	692.3
37.5°	672.4	668.7	668.7	667.4	667.4
40°	646.3	643.8	642.5	642.5	642.5
42.5°	618.9	616.4	615.1	613.9	613.9
45°	591.5	587.7	587.7	585.2	585.2
47.5°	561.6	559.1	557.9	555.4	555.4
50°	531.7	529.2	526.7	526.7	525.5
52.5°	498.1	498.1	496.8	494.3	494.3
55°	467.0	465.7	464.5	460.7	460.7
57.5°	434.6	433.3	430.8	427.1	427.1
60°	398.5	398.5	397.2	392.2	393.5
62.5°	364.8	363.6	362.4	358.6	357.4
65°	328.7	328.7	327.5	322.5	322.5
67.5°	293.9	293.9	291.4	286.4	286.4
70°	260.2	256.5	255.3	251.5	250.3
72.5°	222.9	221.6	219.2	215.4	215.4
75°	189.3	186.8	184.3	180.6	180.6
77.5°	153.2	150.7	148.2	146.9	144.4
80°	119.5	118.3	117.0	113.3	112.1
82.5°	85.9	84.7	83.4	82.2	80.9
85°	54.8	53.5	53.5	51.1	51.1
87.5°	23.7	24.9	22.4	23.7	22.4
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)