

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: P568444

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

Issue Date: 9/19/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P568444  
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-30HE-L835  
Description: 2X4 3000 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3500K, 80CRI LEDS  
Light Source: -  
Ballast/Driver: -

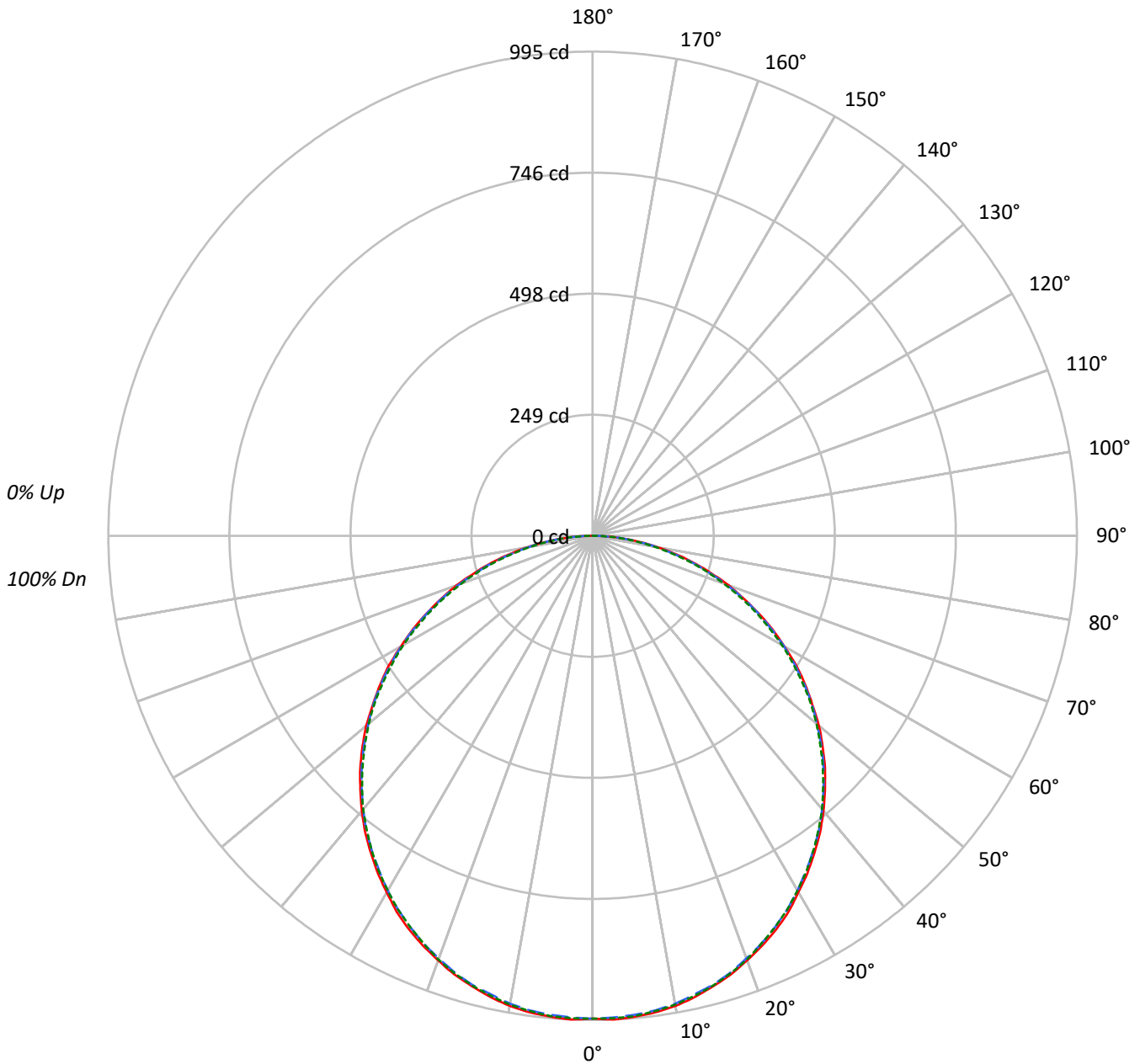
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2916.0 lumens  
Efficiency: N/A  
Efficacy: 130.8 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): 22.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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°	1335	1335	1335
5°	1340	1335	1338
10°	1340	1334	1336
15°	1335	1331	1333
20°	1329	1323	1327
25°	1325	1317	1317
30°	1314	1308	1308
35°	1305	1298	1298
40°	1296	1289	1289
45°	1285	1277	1271
50°	1271	1259	1256
55°	1251	1244	1234
60°	1224	1220	1209
65°	1195	1190	1172
70°	1169	1146	1124
75°	1123	1094	1071
80°	1058	1035	992
85°	966	943	900



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	94.0	3.2
10°-20°	269.6	9.2
20°-30°	409.2	14.0
30°-40°	495.1	17.0
40°-50°	517.2	17.7
50°-60°	473.1	16.2
60°-70°	368.2	12.6
70°-80°	221.9	7.6
80°-90°	67.6	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°	772.8	26.5
0°-40°	1267.9	43.5
0°-60°	2258.2	77.4
0°-90°	2916.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2916.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	992	992	992	992	992	
5°	992	990	988	988	991	94
15°	958	955	955	954	957	271
25°	893	889	887	886	887	411
35°	795	792	790	790	790	497
45°	675	671	671	668	668	521
55°	533	532	530	526	526	476
65°	375	375	374	368	368	372
75°	216	213	210	206	206	227
85°	63	61	61	58	58	70
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	992.3	992.3	992.3	992.3	992.3
2.5°	995.2	992.3	990.9	990.9	992.3
5°	992.3	989.5	988.1	988.1	990.9
7.5°	988.1	983.8	983.8	982.4	985.2
10°	981.0	976.7	976.7	975.3	978.1
12.5°	971.0	966.8	965.3	965.3	968.2
15°	958.2	955.4	955.4	954.0	956.8
17.5°	945.4	941.2	941.2	939.7	942.6
20°	928.4	925.5	924.1	924.1	926.9
22.5°	911.3	908.5	907.0	907.0	907.0
25°	892.8	888.6	887.1	885.7	887.1
27.5°	871.5	865.8	865.8	864.4	865.8
30°	845.9	843.1	841.6	840.2	841.6
32.5°	821.7	817.5	816.1	817.5	817.5
35°	794.7	791.9	790.5	790.5	790.5
37.5°	767.7	763.5	763.5	762.0	762.0
40°	737.9	735.0	733.6	733.6	733.6
42.5°	706.6	703.7	702.3	700.9	700.9
45°	675.3	671.0	671.0	668.2	668.2
47.5°	641.2	638.3	636.9	634.1	634.1
50°	607.1	604.2	601.4	601.4	600.0
52.5°	568.7	568.7	567.3	564.4	564.4
55°	533.1	531.7	530.3	526.0	526.0
57.5°	496.2	494.8	491.9	487.6	487.6
60°	454.9	454.9	453.5	447.8	449.3
62.5°	416.6	415.1	413.7	409.4	408.0
65°	375.3	375.3	373.9	368.2	368.2
67.5°	335.5	335.5	332.7	327.0	327.0
70°	297.1	292.9	291.4	287.2	285.8
72.5°	254.5	253.1	250.2	246.0	246.0
75°	216.1	213.3	210.4	206.1	206.1
77.5°	174.9	172.0	169.2	167.8	164.9
80°	136.5	135.1	133.6	129.4	128.0
82.5°	98.1	96.7	95.3	93.8	92.4
85°	62.6	61.1	61.1	58.3	58.3
87.5°	27.0	28.4	25.6	27.0	25.6
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)