

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: P568488

Luminaire Tested: **24CGTX-30HE-L850**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568488
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-L850
Description: 2X4 3000 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 5000K, 80CRI LEDS
Light Source: -
Ballast/Driver: -

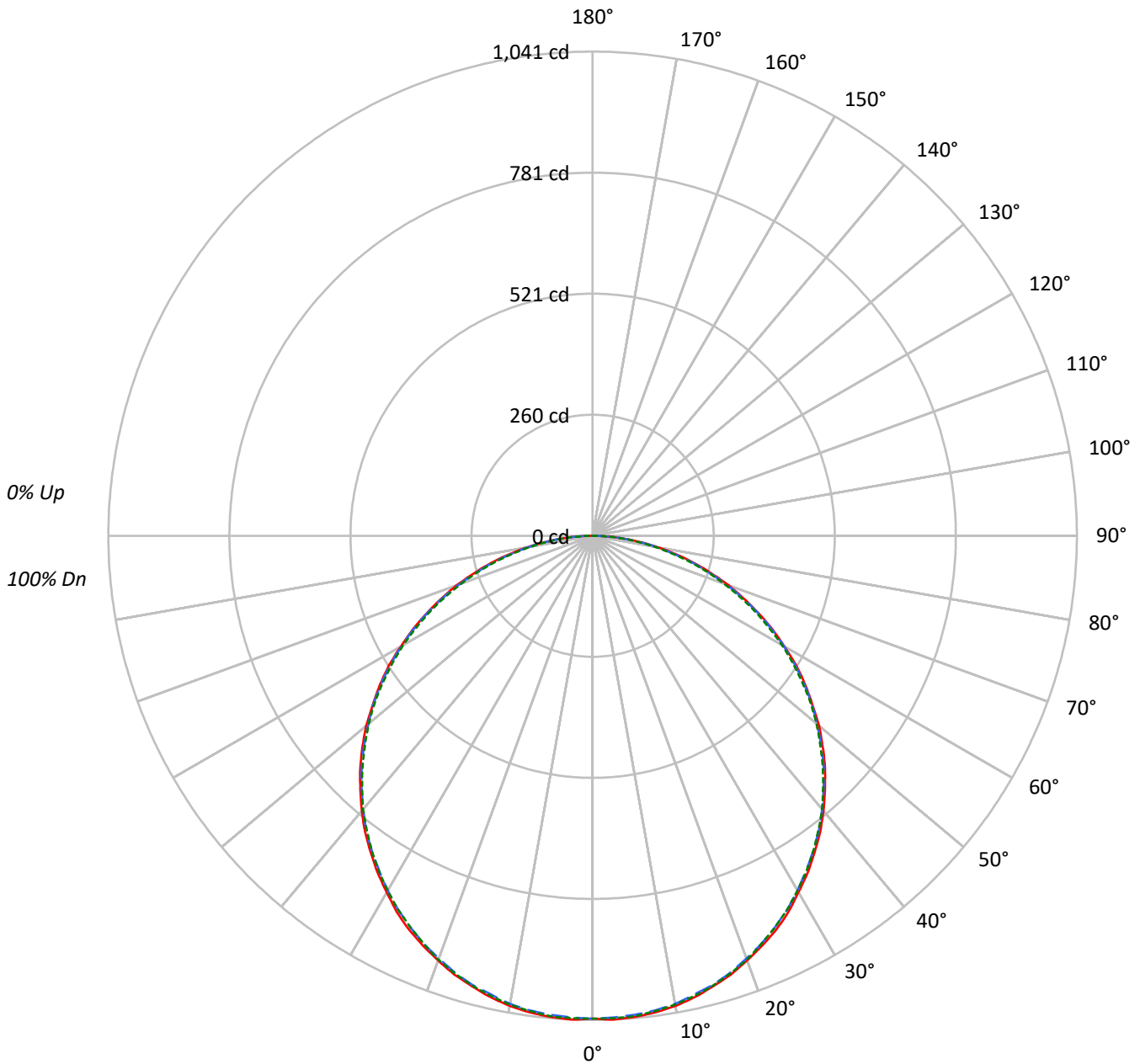
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3051.0 lumens
Efficiency: N/A
Efficacy: 136.8 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_{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									
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	23																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1397	1397	1397
5°	1402	1396	1400
10°	1402	1396	1398
15°	1397	1392	1394
20°	1391	1384	1389
25°	1387	1378	1378
30°	1375	1368	1368
35°	1366	1359	1359
40°	1356	1348	1348
45°	1345	1336	1330
50°	1330	1317	1314
55°	1308	1301	1291
60°	1281	1277	1265
65°	1250	1245	1227
70°	1223	1199	1176
75°	1175	1145	1121
80°	1106	1083	1038
85°	1011	988	942



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.4	3.2
10°-20°	282.1	9.2
20°-30°	428.1	14.0
30°-40°	518.0	17.0
40°-50°	541.1	17.7
50°-60°	495.0	16.2
60°-70°	385.3	12.6
70°-80°	232.2	7.6
80°-90°	70.8	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°	808.6	26.5
0°-40°	1326.6	43.5
0°-60°	2362.7	77.4
0°-90°	3051.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3051.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1038	1038	1038	1038	1038	
5°	1038	1035	1034	1034	1037	99
15°	1003	1000	1000	998	1001	283
25°	934	930	928	927	928	430
35°	832	828	827	827	827	521
45°	707	702	702	699	699	545
55°	558	556	555	550	550	498
65°	393	393	391	385	385	389
75°	226	223	220	216	216	238
85°	66	64	64	61	61	73
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1038.3	1038.3	1038.3	1038.3	1038.3
2.5°	1041.3	1038.3	1036.8	1036.8	1038.3
5°	1038.3	1035.3	1033.8	1033.8	1036.8
7.5°	1033.8	1029.4	1029.4	1027.9	1030.9
10°	1026.4	1021.9	1021.9	1020.4	1023.4
12.5°	1016.0	1011.5	1010.0	1010.0	1013.0
15°	1002.6	999.6	999.6	998.1	1001.1
17.5°	989.2	984.7	984.7	983.3	986.2
20°	971.4	968.4	966.9	966.9	969.9
22.5°	953.5	950.5	949.0	949.0	949.0
25°	934.2	929.7	928.2	926.7	928.2
27.5°	911.8	905.9	905.9	904.4	905.9
30°	885.1	882.1	880.6	879.1	880.6
32.5°	859.8	855.3	853.8	855.3	855.3
35°	831.5	828.5	827.1	827.1	827.1
37.5°	803.3	798.8	798.8	797.3	797.3
40°	772.0	769.0	767.6	767.6	767.6
42.5°	739.3	736.3	734.8	733.3	733.3
45°	706.6	702.1	702.1	699.1	699.1
47.5°	670.9	667.9	666.4	663.4	663.4
50°	635.2	632.2	629.2	629.2	627.7
52.5°	595.0	595.0	593.5	590.5	590.5
55°	557.8	556.3	554.8	550.4	550.4
57.5°	519.1	517.7	514.7	510.2	510.2
60°	476.0	476.0	474.5	468.6	470.1
62.5°	435.8	434.4	432.9	428.4	426.9
65°	392.7	392.7	391.2	385.3	385.3
67.5°	351.1	351.1	348.1	342.1	342.1
70°	310.9	306.4	304.9	300.5	299.0
72.5°	266.3	264.8	261.8	257.3	257.3
75°	226.1	223.1	220.2	215.7	215.7
77.5°	183.0	180.0	177.0	175.5	172.6
80°	142.8	141.3	139.8	135.4	133.9
82.5°	102.6	101.2	99.7	98.2	96.7
85°	65.5	64.0	64.0	61.0	61.0
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)