

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: P568466

Luminaire Tested: **24CGTX-30HE-L840**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568466
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-L840
Description: 2X4 3000 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 4000K, 80CRI LEDS
Light Source: -
Ballast/Driver: -

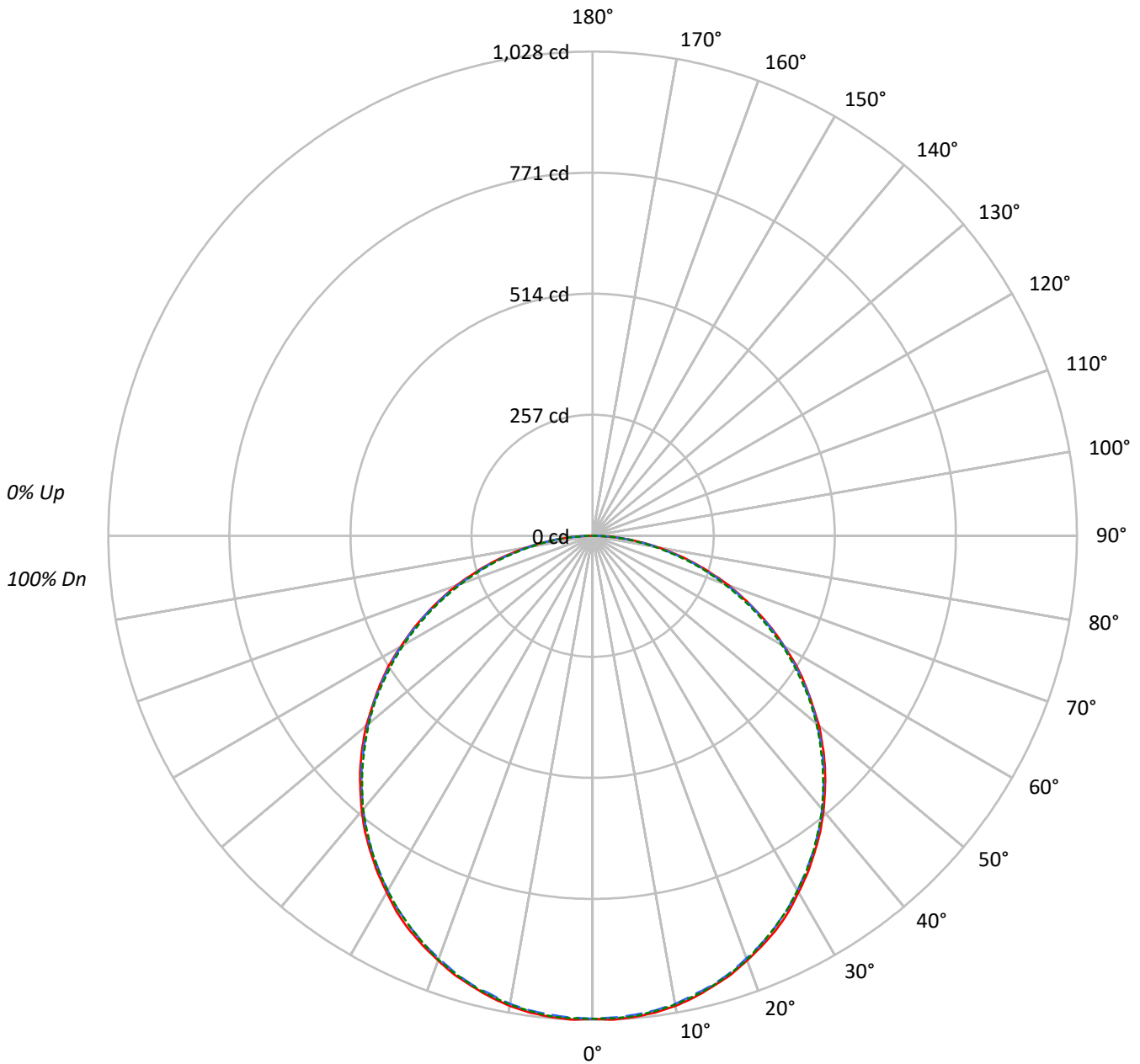
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3013.0 lumens
Efficiency: N/A
Efficacy: 135.1 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): 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				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	103	99	95	106	101	97	93	97	94	90	93	90	88	89	87	85	83				83
2	98	90	83	77	96	88	81	76	84	79	74	81	76	72	78	74	71	69				69
3	89	79	70	64	87	77	69	63	74	67	62	71	66	61	69	64	60	58				58
4	82	70	61	54	79	68	60	53	66	58	53	63	57	52	61	56	51	49				49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42				42
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37				37
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	32				32
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29				29
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26				26
10	52	39	31	26	51	38	31	26	37	30	26	37	30	25	36	30	25	24				24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1380	1380	1380
5°	1385	1379	1383
10°	1385	1379	1381
15°	1379	1375	1377
20°	1374	1367	1371
25°	1370	1361	1361
30°	1358	1351	1351
35°	1349	1342	1342
40°	1339	1331	1331
45°	1328	1319	1314
50°	1313	1301	1298
55°	1292	1285	1275
60°	1265	1261	1249
65°	1235	1230	1211
70°	1208	1185	1162
75°	1161	1130	1107
80°	1093	1070	1024
85°	997	976	929



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.2	3.2
10°-20°	278.6	9.2
20°-30°	422.8	14.0
30°-40°	511.6	17.0
40°-50°	534.4	17.7
50°-60°	488.8	16.2
60°-70°	380.5	12.6
70°-80°	229.3	7.6
80°-90°	69.9	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°	798.5	26.5
0°-40°	1310.1	43.5
0°-60°	2333.3	77.4
0°-90°	3013.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3013.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1025	1025	1025	1025	1025	
5°	1025	1022	1021	1021	1024	98
15°	990	987	987	986	989	280
25°	922	918	917	915	917	425
35°	821	818	817	817	817	514
45°	698	693	693	690	690	538
55°	551	549	548	544	544	492
65°	388	388	386	380	380	384
75°	223	220	217	213	213	235
85°	65	63	63	60	60	72
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1025.4	1025.4	1025.4	1025.4	1025.4
2.5°	1028.3	1025.4	1023.9	1023.9	1025.4
5°	1025.4	1022.4	1021.0	1021.0	1023.9
7.5°	1021.0	1016.5	1016.5	1015.1	1018.0
10°	1013.6	1009.2	1009.2	1007.7	1010.7
12.5°	1003.3	998.9	997.4	997.4	1000.4
15°	990.1	987.2	987.2	985.7	988.6
17.5°	976.9	972.5	972.5	971.0	973.9
20°	959.3	956.3	954.8	954.8	957.8
22.5°	941.6	938.7	937.2	937.2	937.2
25°	922.5	918.1	916.7	915.2	916.7
27.5°	900.5	894.6	894.6	893.1	894.6
30°	874.1	871.1	869.6	868.2	869.6
32.5°	849.1	844.7	843.2	844.7	844.7
35°	821.2	818.2	816.8	816.8	816.8
37.5°	793.3	788.8	788.8	787.4	787.4
40°	762.4	759.5	758.0	758.0	758.0
42.5°	730.1	727.2	725.7	724.2	724.2
45°	697.8	693.4	693.4	690.4	690.4
47.5°	662.5	659.6	658.1	655.2	655.2
50°	627.3	624.3	621.4	621.4	619.9
52.5°	587.6	587.6	586.1	583.2	583.2
55°	550.9	549.4	547.9	543.5	543.5
57.5°	512.7	511.2	508.3	503.9	503.9
60°	470.1	470.1	468.6	462.7	464.2
62.5°	430.4	428.9	427.5	423.1	421.6
65°	387.8	387.8	386.3	380.5	380.5
67.5°	346.7	346.7	343.7	337.9	337.9
70°	307.0	302.6	301.1	296.7	295.3
72.5°	262.9	261.5	258.5	254.1	254.1
75°	223.3	220.3	217.4	213.0	213.0
77.5°	180.7	177.7	174.8	173.3	170.4
80°	141.0	139.6	138.1	133.7	132.2
82.5°	101.4	99.9	98.4	97.0	95.5
85°	64.6	63.2	63.2	60.2	60.2
87.5°	27.9	29.4	26.4	27.9	26.4
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)