

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: P568297

Luminaire Tested: **14CGTX-30HE-L840**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568297
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2206-672-22)
Test Lab: INNOVATION CENTER
Issue Date: 9/19/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 14CGTX-30HE-L840
Description: 1X4 3000 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 4000K, 80CRI LEDS
Light Source: -
Ballast/Driver: -

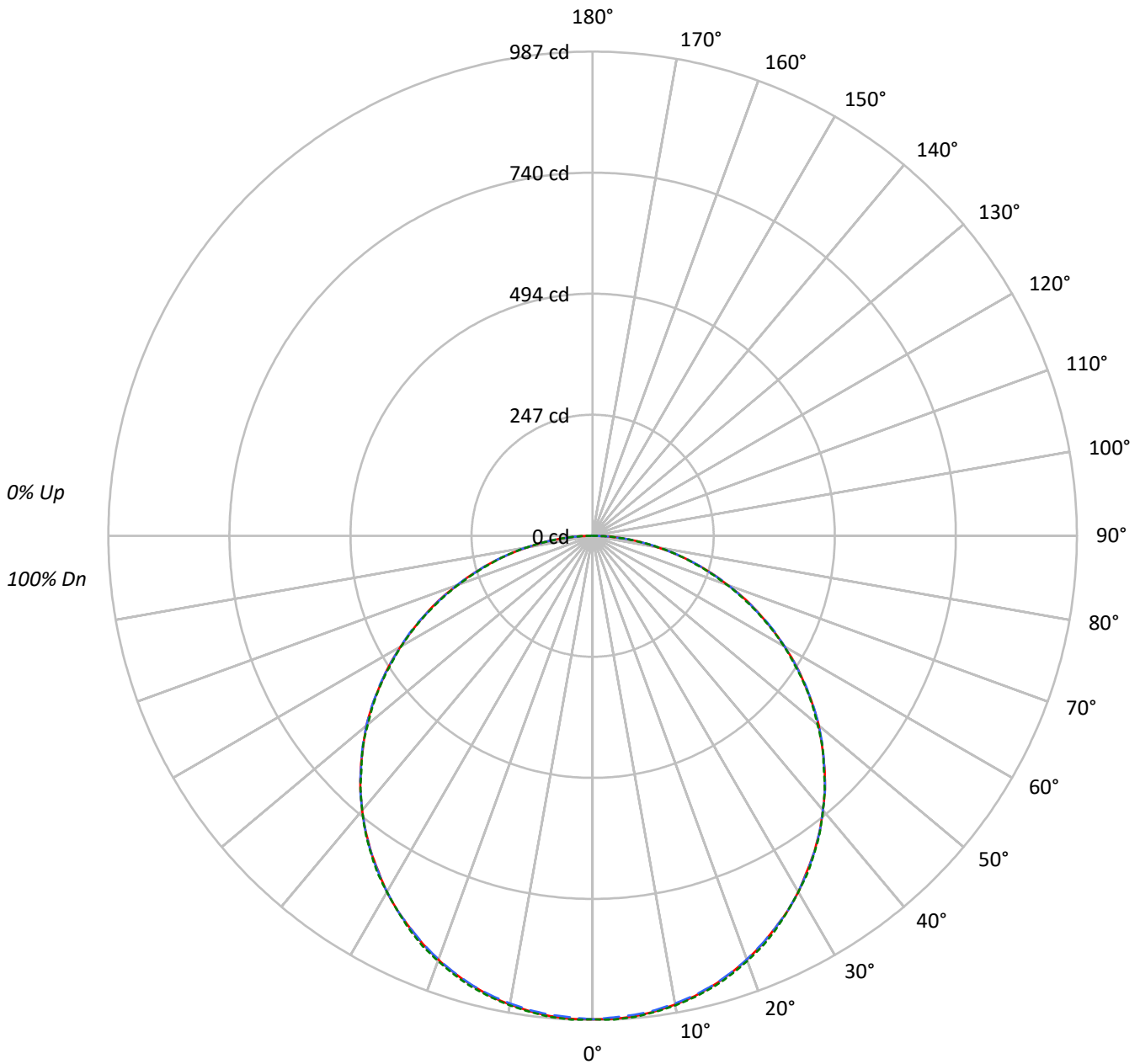
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2914.0 lumens
Efficiency: N/A
Efficacy: 130.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.38
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 22.4
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	93	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	68																			
3	89	79	70	63	87	77	69	63	74	67	62	71	65	61	69	64	60	57																			
4	82	69	60	54	79	68	60	53	66	58	52	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	44	39	50	44	39	37																			
7	64	50	42	35	62	50	41	35	48	40	35	47	40	35	45	39	34	32																			
8	60	46	37	31	58	45	37	31	44	36	31	43	36	31	42	35	31	29																			
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26																			
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2652	2652	2652
5°	2656	2648	2660
10°	2652	2646	2657
15°	2644	2642	2652
20°	2633	2631	2641
25°	2618	2618	2627
30°	2606	2605	2606
35°	2586	2587	2590
40°	2566	2566	2566
45°	2543	2541	2534
50°	2519	2519	2503
55°	2475	2482	2472
60°	2430	2430	2425
65°	2378	2376	2362
70°	2301	2312	2286
75°	2228	2232	2201
80°	2070	2104	2104
85°	1951	1927	1893



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.4	3.2
10°-20°	268.1	9.2
20°-30°	407.1	14.0
30°-40°	492.9	16.9
40°-50°	515.6	17.7
50°-60°	472.2	16.2
60°-70°	369.3	12.7
70°-80°	225.9	7.8
80°-90°	69.6	2.4
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°	768.6	26.4
0°-40°	1261.4	43.3
0°-60°	2249.3	77.2
0°-90°	2914.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2914.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	986	986	986	986	986	
5°	983	983	980	984	985	93
15°	949	950	948	951	952	268
25°	882	884	882	884	885	407
35°	787	788	788	788	788	492
45°	668	669	668	668	666	515
55°	528	531	529	528	527	472
65°	374	375	373	372	371	370
75°	214	213	215	213	212	226
85°	63	61	62	61	61	70
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	985.7	985.7	985.7	985.7	985.7
2.5°	985.7	985.7	982.8	986.4	987.1
5°	983.1	983.1	980.2	983.5	984.6
7.5°	977.7	978.0	975.5	978.7	979.1
10°	970.4	970.7	968.2	971.8	972.2
12.5°	961.2	961.6	959.4	962.7	963.0
15°	949.2	949.9	948.4	951.0	952.1
17.5°	935.3	936.4	934.6	937.9	938.2
20°	919.6	920.0	918.9	921.4	922.2
22.5°	901.7	902.8	901.0	904.3	905.4
25°	881.6	883.5	881.6	883.8	884.6
27.5°	861.2	862.7	861.2	862.3	861.6
30°	838.6	838.9	838.2	838.6	838.6
32.5°	812.3	813.7	813.0	814.8	815.6
35°	787.1	787.5	787.5	788.5	788.5
37.5°	759.7	759.7	760.1	761.2	761.2
40°	730.5	731.2	730.5	731.2	730.5
42.5°	700.9	700.6	700.9	701.3	700.2
45°	668.1	669.2	667.7	667.7	665.9
47.5°	634.1	636.3	635.9	634.9	635.2
50°	601.6	602.4	601.6	600.5	598.0
52.5°	565.5	567.7	565.9	566.2	563.3
55°	527.5	531.2	529.0	527.5	526.8
57.5°	491.4	492.5	490.3	488.5	487.4
60°	451.6	453.0	451.6	450.1	450.5
62.5°	412.5	414.7	415.1	412.2	411.4
65°	373.5	375.3	373.1	371.6	370.9
67.5°	335.5	335.1	333.3	331.5	330.8
70°	292.4	295.0	293.9	294.2	290.6
72.5°	254.1	254.5	253.4	253.4	250.4
75°	214.3	213.2	214.7	213.2	211.7
77.5°	174.9	176.0	175.6	173.8	175.2
80°	133.6	135.1	135.8	134.3	135.8
82.5°	98.9	98.9	98.6	98.6	97.5
85°	63.2	61.0	62.4	61.0	61.3
87.5°	28.8	28.5	27.0	28.1	27.7
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)