

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: P568283

Luminaire Tested: **14CGTX-42HE-L930**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568283
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-42HE-L930
Description: 1X4 4200 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3000K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

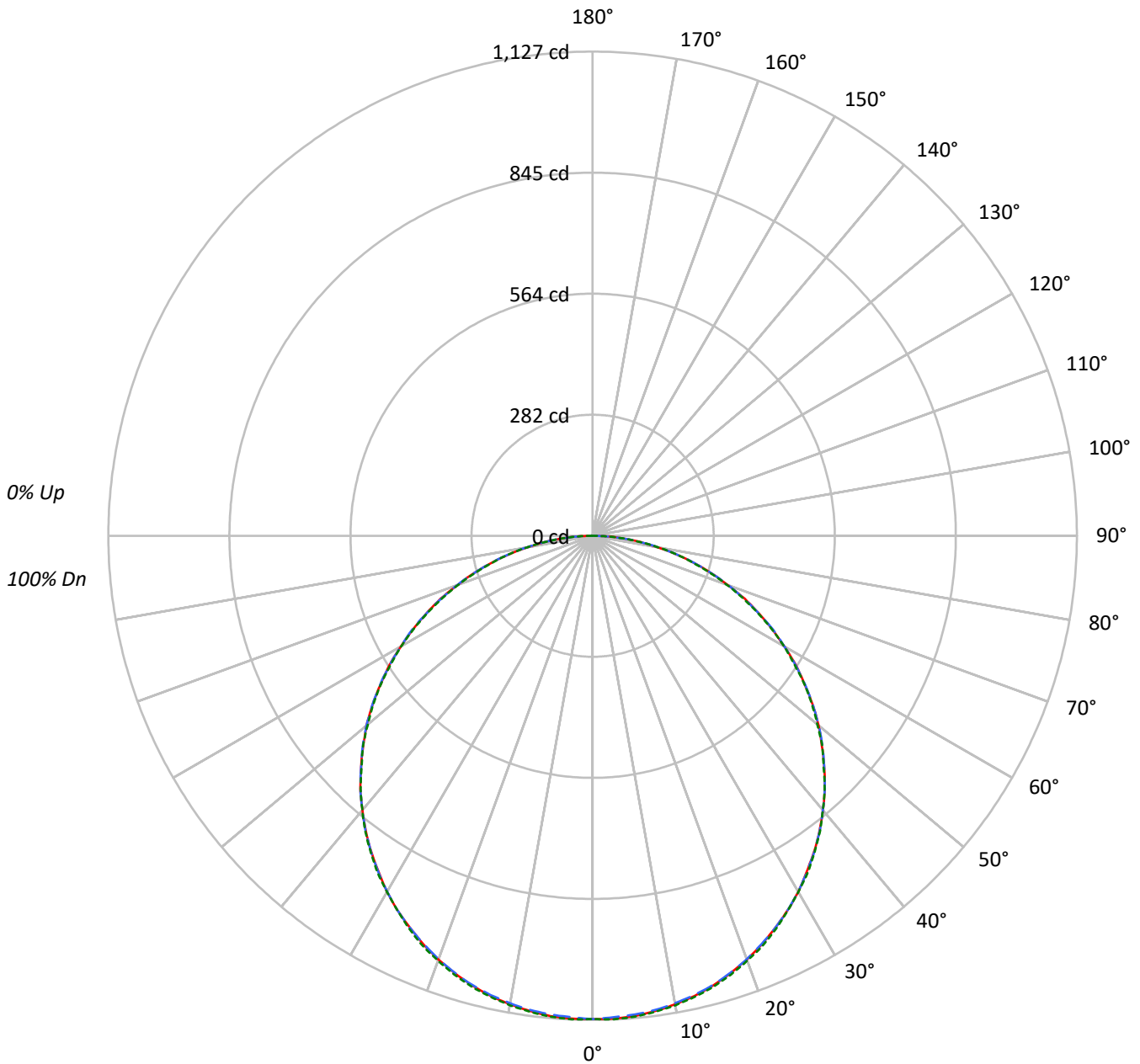
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3326.0 lumens
Efficiency: N/A
Efficacy: 104.3 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): 31.9
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	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	69			
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°	3027	3027	3027
5°	3031	3022	3036
10°	3026	3019	3032
15°	3018	3016	3027
20°	3006	3003	3014
25°	2988	2988	2998
30°	2974	2973	2974
35°	2951	2953	2957
40°	2929	2929	2929
45°	2902	2900	2892
50°	2875	2875	2857
55°	2825	2833	2821
60°	2774	2774	2767
65°	2714	2712	2696
70°	2626	2639	2610
75°	2543	2547	2513
80°	2363	2402	2402
85°	2226	2201	2161



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.6	3.2
10°-20°	306.0	9.2
20°-30°	464.6	14.0
30°-40°	562.6	16.9
40°-50°	588.5	17.7
50°-60°	539.0	16.2
60°-70°	421.6	12.7
70°-80°	257.8	7.8
80°-90°	79.4	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°	877.2	26.4
0°-40°	1439.8	43.3
0°-60°	2567.3	77.2
0°-90°	3326.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3326.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1125	1125	1125	1125	1125	
5°	1122	1122	1119	1122	1124	107
15°	1083	1084	1082	1086	1087	306
25°	1006	1008	1006	1009	1010	464
35°	898	899	899	900	900	562
45°	762	764	762	762	760	588
55°	602	606	604	602	601	539
65°	426	428	426	424	423	422
75°	245	243	245	243	242	258
85°	72	70	71	70	70	80
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1125.0	1125.0	1125.0	1125.0	<i>1125.0</i>
2.5°	<i>1125.0</i>	<i>1125.0</i>	<i>1121.7</i>	<i>1125.9</i>	<i>1126.7</i>
5°	1122.1	1122.1	1118.8	1122.5	<i>1123.8</i>
7.5°	1115.9	1116.3	1113.4	1117.1	<i>1117.5</i>
10°	1107.5	1108.0	1105.0	1109.2	<i>1109.6</i>
12.5°	1097.1	1097.5	1095.0	1098.8	<i>1099.2</i>
15°	1083.4	1084.2	1082.5	1085.5	<i>1086.7</i>
17.5°	1067.5	1068.8	1066.7	1070.5	<i>1070.9</i>
20°	1049.6	1050.0	1048.8	1051.7	<i>1052.5</i>
22.5°	1029.2	1030.5	1028.4	1032.1	<i>1033.4</i>
25°	1006.3	1008.4	1006.3	1008.8	<i>1009.6</i>
27.5°	983.0	984.6	983.0	984.2	<i>983.4</i>
30°	957.1	957.5	956.7	957.1	<i>957.1</i>
32.5°	927.1	928.8	928.0	930.0	<i>930.9</i>
35°	898.4	898.8	898.8	900.0	<i>900.0</i>
37.5°	867.1	867.1	867.5	868.8	<i>868.8</i>
40°	833.8	834.6	833.8	834.6	<i>833.8</i>
42.5°	800.0	799.6	800.0	800.4	<i>799.2</i>
45°	762.5	763.8	762.1	762.1	<i>760.0</i>
47.5°	723.8	726.3	725.9	724.6	<i>725.0</i>
50°	686.7	687.5	686.7	685.4	<i>682.5</i>
52.5°	645.4	647.9	645.9	646.3	<i>642.9</i>
55°	602.1	606.3	603.8	602.1	<i>601.3</i>
57.5°	560.9	562.1	559.6	557.5	<i>556.3</i>
60°	515.4	517.1	515.4	513.8	<i>514.2</i>
62.5°	470.9	473.4	473.8	470.4	<i>469.6</i>
65°	426.3	428.4	425.9	424.2	<i>423.4</i>
67.5°	382.9	382.5	380.4	378.3	<i>377.5</i>
70°	333.8	336.7	335.4	335.8	<i>331.7</i>
72.5°	290.0	290.4	289.2	289.2	<i>285.8</i>
75°	244.6	243.3	245.0	243.3	<i>241.7</i>
77.5°	199.6	200.8	200.4	198.3	<i>200.0</i>
80°	152.5	154.2	155.0	153.3	<i>155.0</i>
82.5°	112.9	112.9	112.5	112.5	<i>111.3</i>
85°	72.1	69.6	71.3	69.6	<i>70.0</i>
87.5°	32.9	32.5	30.8	32.1	<i>31.7</i>
90°	0.0	0.0	0.0	0.0	<i>0.0</i>



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— 0°-180° - - 45°-225° - - - - 90°-270°







(END OF REPORT)