

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: P568293

Luminaire Tested: **14CGTX-42HE-L935**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568293
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-L935
Description: 1X4 4200 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3500K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

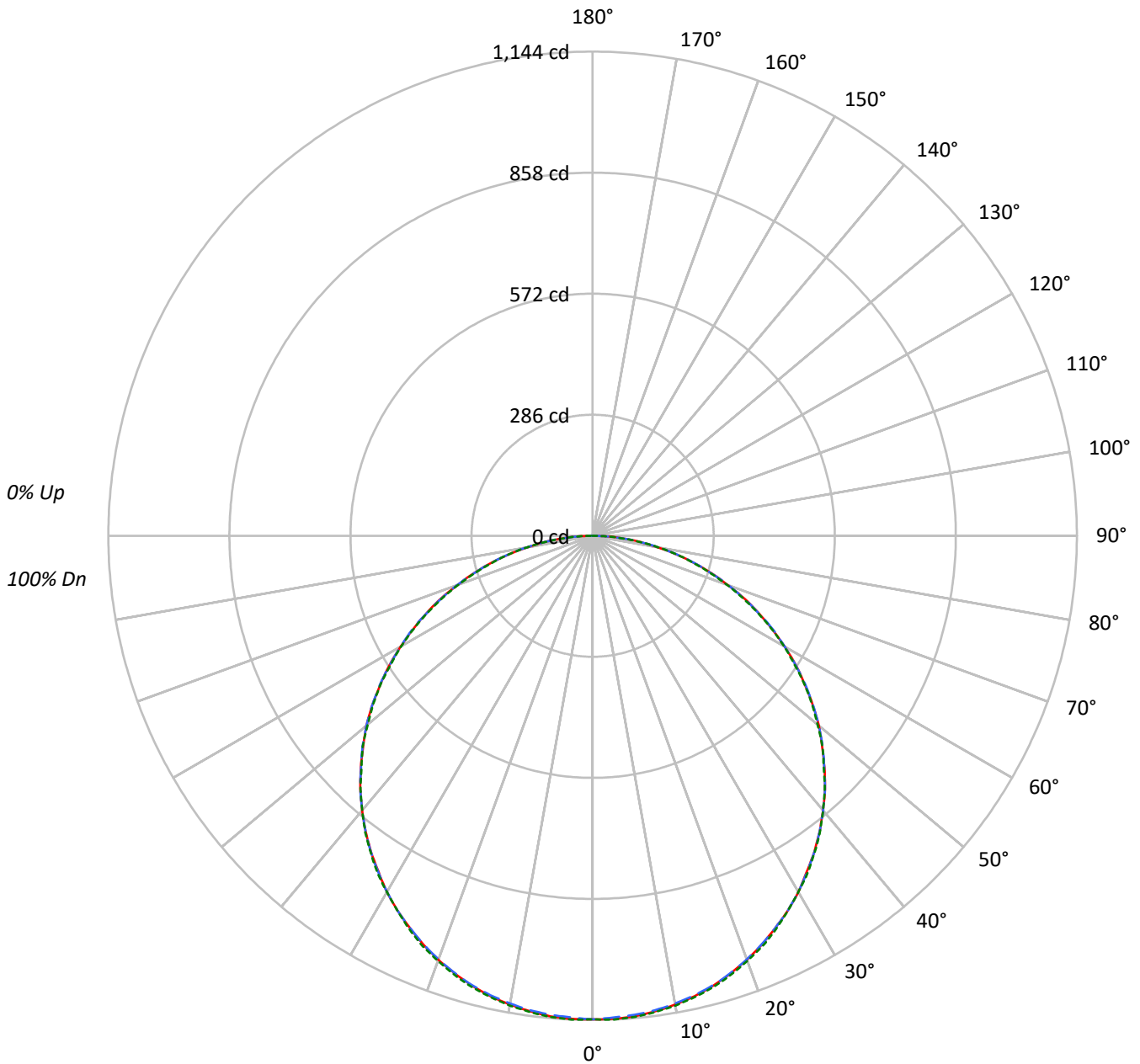
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3378.0 lumens
Efficiency: N/A
Efficacy: 105.9 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									
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°	3075	3075	3075
5°	3079	3069	3083
10°	3074	3067	3080
15°	3065	3063	3075
20°	3053	3050	3061
25°	3034	3034	3045
30°	3021	3019	3021
35°	2997	2999	3003
40°	2975	2975	2975
45°	2947	2946	2938
50°	2920	2920	2902
55°	2869	2877	2865
60°	2817	2817	2810
65°	2756	2754	2738
70°	2667	2681	2651
75°	2583	2587	2552
80°	2400	2439	2439
85°	2260	2235	2195



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.3	3.2
10°-20°	310.8	9.2
20°-30°	471.9	14.0
30°-40°	571.4	16.9
40°-50°	597.7	17.7
50°-60°	547.4	16.2
60°-70°	428.1	12.7
70°-80°	261.8	7.8
80°-90°	80.6	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°	890.9	26.4
0°-40°	1462.3	43.3
0°-60°	2607.4	77.2
0°-90°	3378.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3378.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1143	1143	1143	1143	1143	
5°	1140	1140	1136	1140	1141	108
15°	1100	1101	1100	1102	1104	311
25°	1022	1024	1022	1025	1025	471
35°	912	913	913	914	914	571
45°	774	776	774	774	772	597
55°	612	616	613	612	611	547
65°	433	435	432	431	430	428
75°	248	247	249	247	246	262
85°	73	71	72	71	71	81
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1142.6	1142.6	1142.6	1142.6	<i>1142.6</i>
2.5°	<i>1142.6</i>	<i>1142.6</i>	<i>1139.2</i>	<i>1143.5</i>	<i>1144.3</i>
5°	1139.7	1139.7	1136.3	1140.1	<i>1141.4</i>
7.5°	1133.3	1133.7	1130.8	1134.6	<i>1135.0</i>
10°	1124.9	1125.3	1122.3	1126.6	<i>1127.0</i>
12.5°	1114.3	1114.7	1112.2	1116.0	<i>1116.4</i>
15°	1100.3	1101.2	1099.5	1102.4	<i>1103.7</i>
17.5°	1084.2	1085.5	1083.4	1087.2	<i>1087.6</i>
20°	1066.0	1066.5	1065.2	1068.2	<i>1069.0</i>
22.5°	1045.3	1046.6	1044.5	1048.3	<i>1049.5</i>
25°	1022.0	1024.1	1022.0	1024.6	<i>1025.4</i>
27.5°	998.3	1000.0	998.3	999.6	<i>998.7</i>
30°	972.1	972.5	971.7	972.1	<i>972.1</i>
32.5°	941.6	943.3	942.5	944.6	<i>945.4</i>
35°	912.4	912.8	912.8	914.1	<i>914.1</i>
37.5°	880.7	880.7	881.1	882.4	<i>882.4</i>
40°	846.8	847.7	846.8	847.7	<i>846.8</i>
42.5°	812.5	812.1	812.5	813.0	<i>811.7</i>
45°	774.5	775.7	774.0	774.0	<i>771.9</i>
47.5°	735.1	737.6	737.2	735.9	<i>736.4</i>
50°	697.4	698.3	697.4	696.2	<i>693.2</i>
52.5°	655.5	658.1	656.0	656.4	<i>653.0</i>
55°	611.5	615.8	613.2	611.5	<i>610.7</i>
57.5°	569.6	570.9	568.4	566.2	<i>565.0</i>
60°	523.5	525.2	523.5	521.8	<i>522.2</i>
62.5°	478.2	480.8	481.2	477.8	<i>476.9</i>
65°	432.9	435.0	432.5	430.8	<i>430.0</i>
67.5°	388.9	388.5	386.4	384.3	<i>383.4</i>
70°	339.0	341.9	340.7	341.1	<i>336.9</i>
72.5°	294.5	295.0	293.7	293.7	<i>290.3</i>
75°	248.4	247.1	248.8	247.1	<i>245.5</i>
77.5°	202.7	204.0	203.6	201.4	<i>203.1</i>
80°	154.9	156.6	157.4	155.7	<i>157.4</i>
82.5°	114.7	114.7	114.3	114.3	<i>113.0</i>
85°	73.2	70.7	72.4	70.7	<i>71.1</i>
87.5°	33.4	33.0	31.3	32.6	<i>32.2</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)