

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: P568348

Luminaire Tested: **22CGTX-35HE-L930**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568348
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2205-645-17)
Test Lab: INNOVATION CENTER
Issue Date: 9/19/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22CGTX-35HE-L930
Description: 2X2 3500 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3000K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

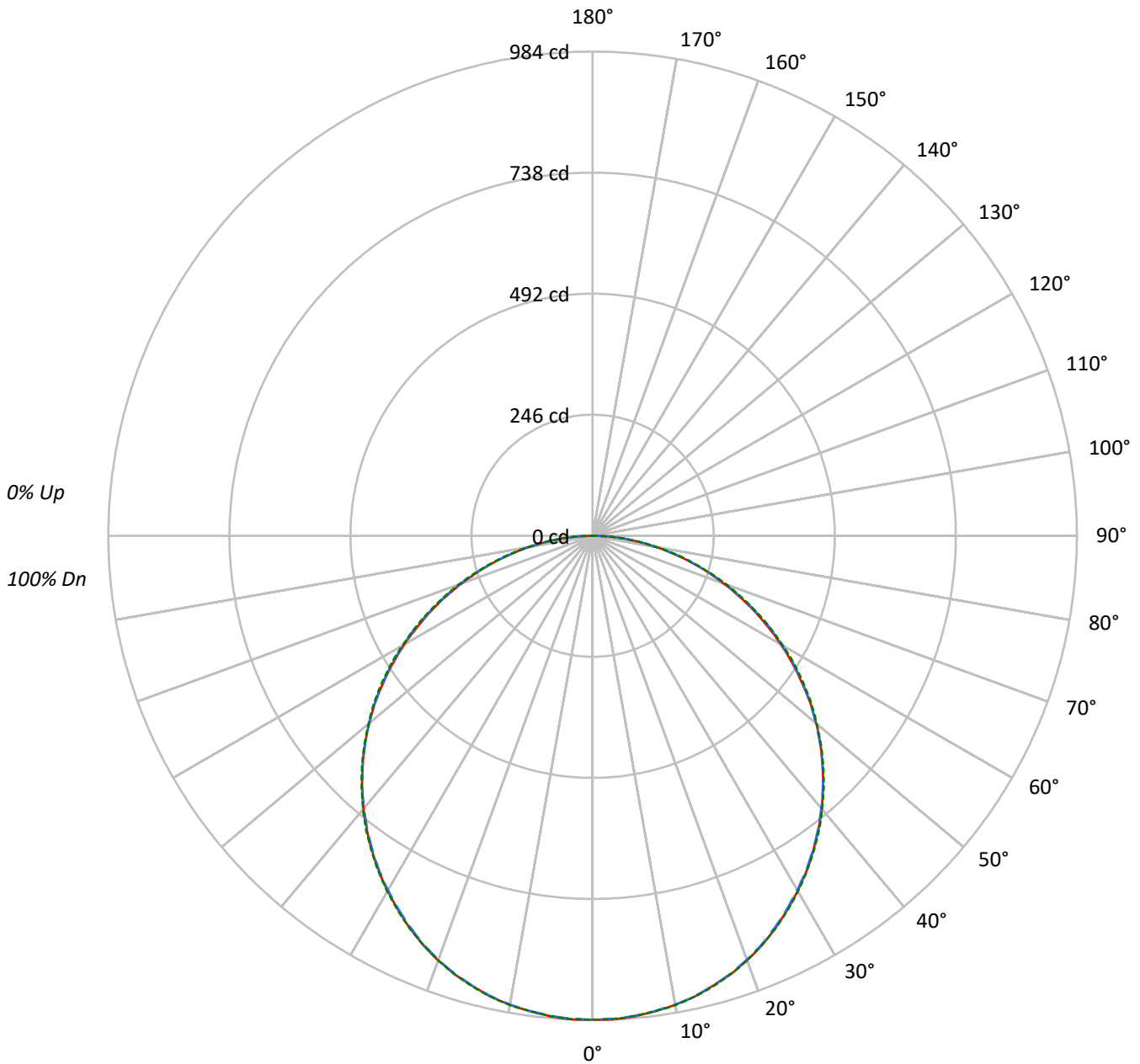
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2878.0 lumens
Efficiency: N/A
Efficacy: 105.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.38
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 27.2
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

TEST NUMBER: P568348
CATALOG NUMBER: 22CGTX-35HE-L930

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	77	73	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	80	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	33																			
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	36	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	39	31	26	38	30	26	37	30	25	36	30	25	24																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2646	2646	2646
5°	2648	2646	2647
10°	2646	2643	2647
15°	2637	2637	2640
20°	2629	2625	2629
25°	2611	2605	2613
30°	2590	2584	2593
35°	2567	2562	2572
40°	2544	2539	2549
45°	2516	2514	2523
50°	2482	2480	2488
55°	2432	2439	2455
60°	2378	2389	2405
65°	2309	2324	2343
70°	2228	2251	2271
75°	2140	2155	2180
80°	2011	2035	2050
85°	1831	1846	1877



TEST NUMBER: P568348
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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.1	3.2
10°-20°	267.2	9.3
20°-30°	404.8	14.1
30°-40°	489.0	17.0
40°-50°	510.1	17.7
50°-60°	465.2	16.2
60°-70°	361.6	12.6
70°-80°	219.4	7.6
80°-90°	67.6	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°	765.1	26.6
0°-40°	1254.1	43.6
0°-60°	2229.4	77.5
0°-90°	2878.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2878.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	983	983	983	983	983	
5°	980	979	979	979	980	93
15°	947	947	947	947	948	267
25°	880	878	878	879	880	405
35°	782	780	780	783	783	489
45°	661	660	660	663	663	510
55°	518	519	520	521	523	464
65°	363	364	365	366	368	359
75°	206	205	207	209	210	218
85°	59	60	60	61	61	67
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	983.4	983.4	983.4	983.4	983.4
2.5°	983.8	982.4	982.4	981.9	983.4
5°	980.4	978.9	979.4	978.9	979.9
7.5°	974.5	973.6	974.0	973.6	974.5
10°	968.2	967.2	967.2	967.2	968.7
12.5°	959.3	958.4	958.4	958.4	959.3
15°	946.6	946.6	946.6	946.6	947.6
17.5°	933.9	932.4	932.9	932.4	933.9
20°	918.2	916.2	916.7	916.7	918.2
22.5°	900.1	898.1	898.6	898.6	899.6
25°	879.5	877.5	877.5	879.0	880.0
27.5°	856.9	855.5	855.0	857.4	857.9
30°	833.4	832.4	831.5	833.9	834.4
32.5°	808.4	807.5	807.0	809.4	809.4
35°	781.5	780.5	780.0	783.0	783.0
37.5°	753.6	753.1	752.1	755.0	755.5
40°	724.2	723.2	722.7	725.6	725.6
42.5°	693.3	692.3	692.8	695.3	694.8
45°	661.0	660.5	660.5	663.4	662.9
47.5°	627.6	626.7	627.2	630.1	629.1
50°	592.9	591.9	592.4	595.3	594.3
52.5°	557.1	556.1	557.1	560.0	560.0
55°	518.4	519.4	519.8	521.3	523.3
57.5°	480.7	481.1	483.1	484.1	485.6
60°	441.9	442.9	443.9	445.9	446.8
62.5°	402.3	403.7	406.7	406.7	407.6
65°	362.6	363.6	365.0	366.5	368.0
67.5°	323.4	323.9	326.3	326.8	328.3
70°	283.2	283.7	286.1	286.6	288.6
72.5°	245.0	244.5	246.5	248.9	248.9
75°	205.8	205.3	207.3	209.2	209.7
77.5°	167.6	167.1	168.5	171.0	171.0
80°	129.8	130.8	131.3	133.3	132.3
82.5°	93.6	94.1	94.6	96.0	95.1
85°	59.3	59.8	59.8	61.2	60.8
87.5°	27.9	27.4	27.4	28.4	27.9
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)