

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: P731876

Luminaire Tested: **14CZ2-35-S-B2750-W2D-2700K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P731876
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P275670)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 1/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 14CZ2-35-S-B2750-W2D-2700K
Description: 1X4 3500 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 2700K CCT AND SMOOTH LENS

Light Source: -
Ballast/Driver: -

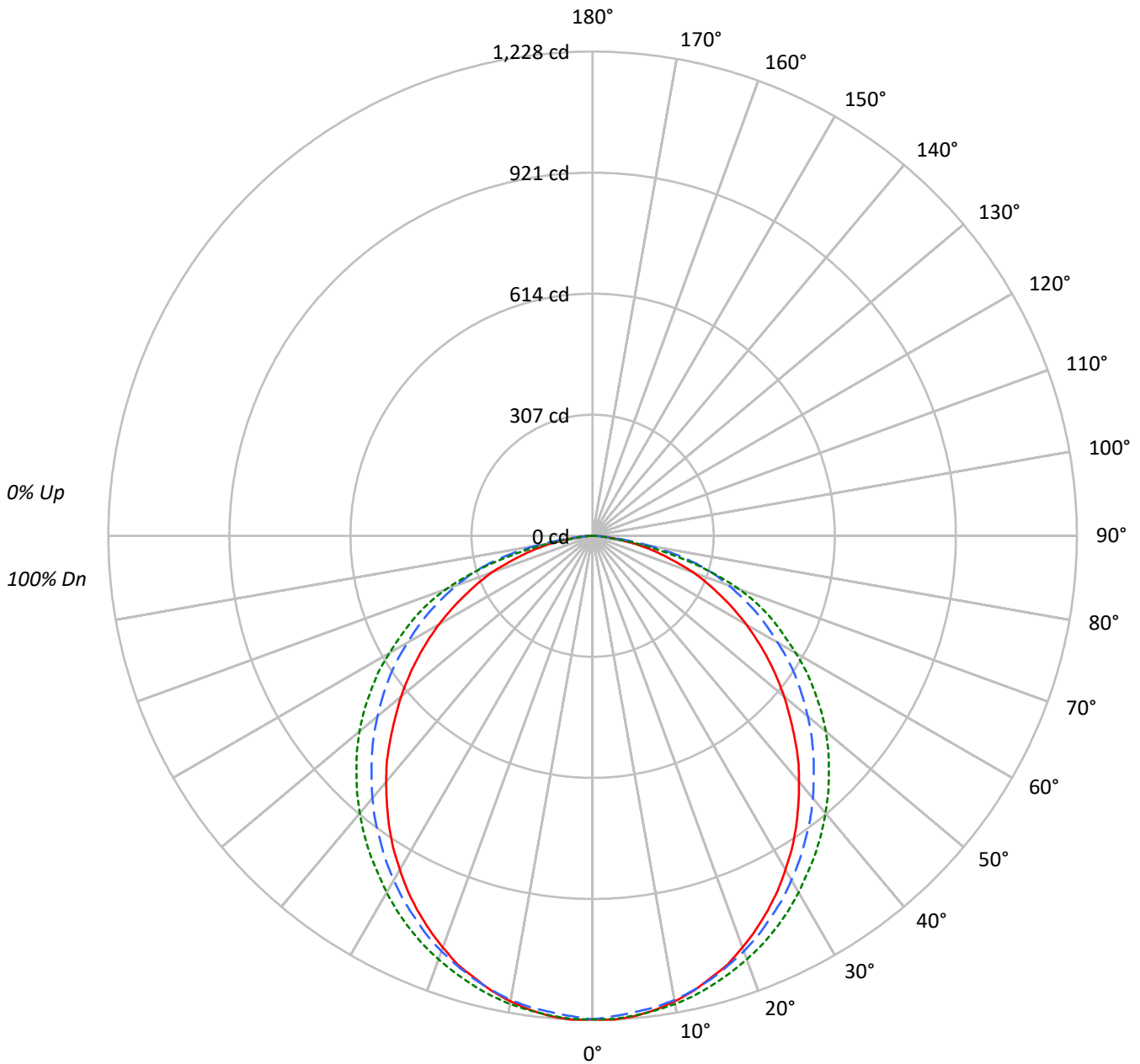
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3436.0 lumens
Efficiency: N/A
Efficacy: 122.7 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.26 / 1.36
Luminous Opening: Rectangular (W 0.96' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): 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	109	104	100	96	106	102	98	94	97	94	91	94	91	89	90	88	86	84																			
2	99	90	84	78	96	89	82	77	85	80	75	82	77	73	79	75	72	70																			
3	90	79	71	65	87	78	70	64	75	68	63	72	66	62	69	65	61	58																			
4	82	70	61	55	80	69	61	54	66	59	53	64	58	53	62	56	52	50																			
5	76	63	54	47	74	62	53	47	59	52	46	57	51	46	56	50	45	43																			
6	70	56	47	41	68	55	47	41	54	46	40	52	45	40	50	44	40	38																			
7	65	51	42	36	63	50	42	36	49	41	36	47	41	35	46	40	35	33																			
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	32	30																			
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	28	27																			
10	53	40	32	26	52	39	31	26	38	31	26	37	31	26	36	30	26	24																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3462	3462	3462
5°	3466	3437	3461
10°	3437	3428	3457
15°	3390	3400	3445
20°	3337	3367	3434
25°	3268	3327	3423
30°	3187	3287	3404
35°	3100	3240	3393
40°	3000	3201	3384
45°	2890	3162	3380
50°	2783	3127	3389
55°	2666	3102	3379
60°	2540	3058	3356
65°	2390	3049	3358
70°	2250	3024	3262
75°	1951	2956	2786
80°	1578	2381	1856
85°	1049	826	554



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.8	3.4
10°-20°	329.6	9.6
20°-30°	494.4	14.4
30°-40°	589.8	17.2
40°-50°	609.7	17.7
50°-60°	556.7	16.2
60°-70°	438.1	12.7
70°-80°	255.0	7.4
80°-90°	47.0	1.4
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°	939.8	27.4
0°-40°	1529.6	44.5
0°-60°	2696.0	78.5
0°-90°	3436.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3436.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1227	1227	1227	1227	1227	
5°	1223	1220	1213	1223	1221	116
15°	1160	1162	1164	1179	1179	327
25°	1049	1055	1068	1094	1099	483
35°	900	911	940	976	985	562
45°	724	748	792	836	847	559
55°	542	571	630	676	687	484
65°	358	395	456	492	503	355
75°	179	222	271	266	256	190
85°	32	46	26	20	17	42
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1226.6	1226.6	1226.6	1226.6	1226.6
2.5°	1228.3	1224.9	1219.7	1228.3	1226.6
5°	1223.3	1219.7	1213.0	1223.3	1221.4
7.5°	1213.0	1209.5	1206.1	1216.4	1214.7
10°	1199.3	1197.6	1195.9	1207.8	1206.1
12.5°	1182.4	1182.4	1180.7	1194.2	1194.2
15°	1160.2	1161.9	1163.6	1178.8	1178.8
17.5°	1139.8	1138.1	1143.1	1160.2	1161.9
20°	1110.8	1114.1	1121.0	1141.4	1143.1
22.5°	1081.7	1085.3	1097.2	1117.6	1122.6
25°	1049.4	1054.6	1068.2	1093.6	1098.9
27.5°	1015.4	1022.2	1040.8	1068.2	1073.2
30°	977.8	988.0	1008.5	1039.1	1044.4
32.5°	940.4	950.6	976.1	1006.8	1013.7
35°	899.5	911.4	940.4	976.1	984.7
37.5°	856.9	872.2	906.4	942.1	952.3
40°	814.3	831.4	868.8	906.4	918.3
42.5°	771.7	788.9	829.6	872.2	884.3
45°	723.9	747.9	792.2	836.5	846.7
47.5°	678.0	703.7	753.0	797.2	811.0
50°	633.8	659.2	712.0	758.2	771.7
52.5°	587.8	615.0	671.1	718.9	730.8
55°	541.7	570.7	630.4	676.3	686.6
57.5°	495.8	526.5	587.8	632.1	644.0
60°	449.9	482.2	541.7	586.0	594.5
62.5°	403.7	437.7	499.1	538.4	546.9
65°	357.8	395.2	456.5	492.4	502.7
67.5°	313.5	350.9	410.6	444.6	453.2
70°	272.6	306.7	366.4	391.8	395.2
72.5°	221.5	264.1	321.9	335.7	327.1
75°	178.9	221.5	271.0	265.7	255.5
77.5°	136.3	178.9	211.3	194.1	180.6
80°	97.1	139.7	146.5	120.9	114.2
82.5°	63.0	97.1	81.8	63.0	51.1
85°	32.4	45.9	25.5	20.5	17.1
87.5°	10.2	6.9	3.3	3.3	1.7
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-50001EG





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







(END OF REPORT)