

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: P731867

Luminaire Tested: **14CZ2-35-HRP-B2750-W2D-3000K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P731867
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P294787)
Test Lab: INNOVATIONS CENTER(G3)
Issue Date: 1/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 14CZ2-35-HRP-B2750-W2D-3000K
Description: 1X4 3500 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3000K CCT AND HRP LENS

Light Source: -
Ballast/Driver: -

Summary

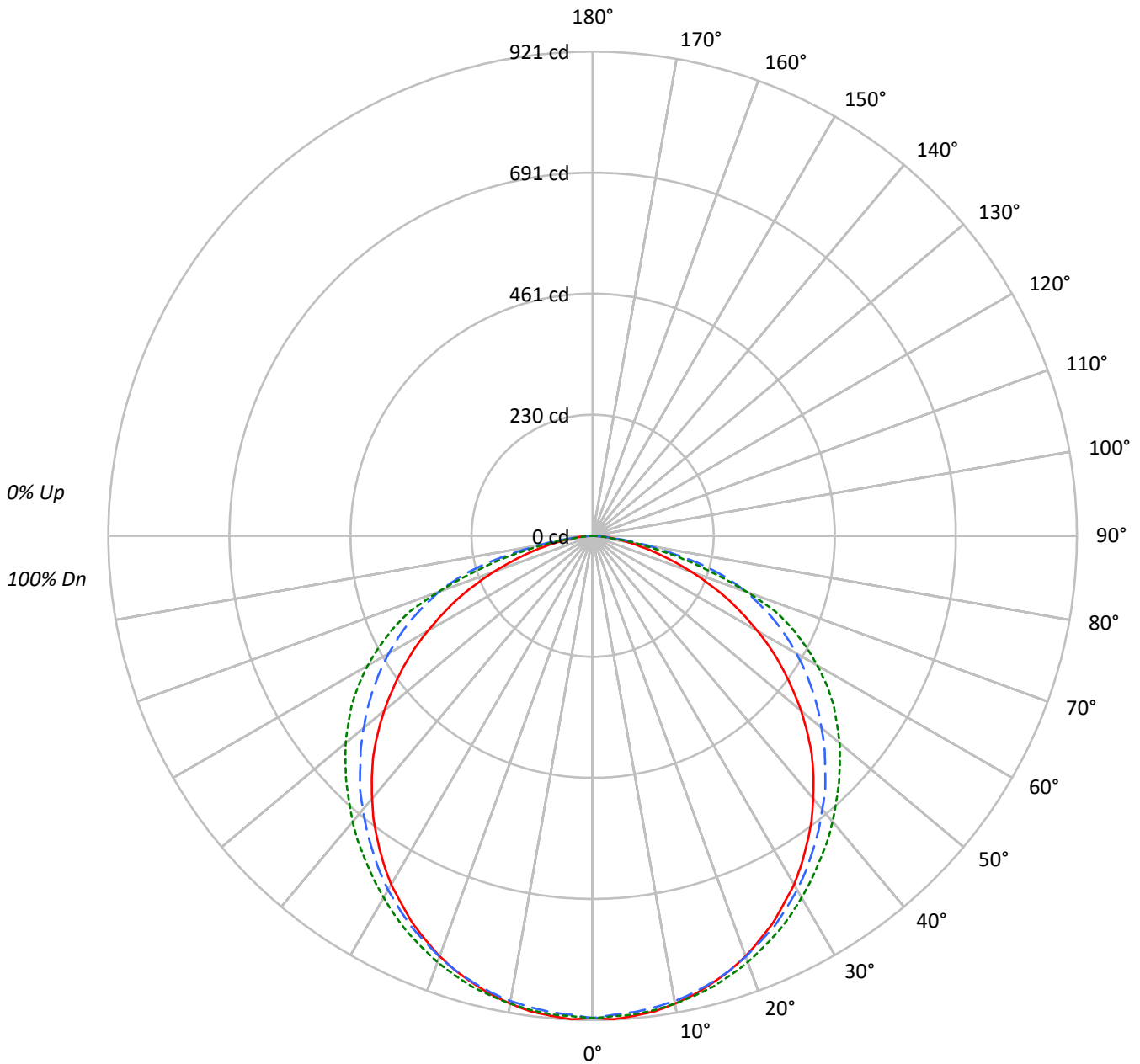
Lumens per Lamp: N/A
Luminaire Lumens: 2701.0 lumens
Efficiency: N/A
Efficacy: 96.5 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.29 / 1.39
Luminous Opening: Rectangular (W 0.96' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 28
Input Voltage (V): NR
Input Current (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	109	104	100	96	106	102	98	94	97	94	91	93	91	88	90	88	86	84																			
2	99	90	83	78	96	88	82	77	85	79	75	82	77	73	78	75	71	69																			
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58																			
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49																			
5	75	62	53	46	73	61	53	46	59	51	46	57	50	45	55	49	45	42																			
6	69	56	47	40	68	55	46	40	53	45	40	51	45	39	50	44	39	37																			
7	64	51	42	36	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	38	31	26	37	30	26	37	30	25	36	30	25	24																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2589	2589	2589
5°	2597	2577	2590
10°	2590	2576	2590
15°	2574	2569	2593
20°	2556	2559	2592
25°	2529	2550	2592
30°	2497	2535	2591
35°	2452	2517	2596
40°	2404	2503	2616
45°	2353	2495	2645
50°	2271	2495	2693
55°	2174	2508	2750
60°	2042	2526	2786
65°	1883	2553	2803
70°	1641	2558	2579
75°	1352	2382	2084
80°	1061	1712	1395
85°	829	661	327



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.8	3.2
10°-20°	249.2	9.2
20°-30°	378.4	14.0
30°-40°	458.5	17.0
40°-50°	483.2	17.9
50°-60°	451.1	16.7
60°-70°	360.5	13.3
70°-80°	198.4	7.3
80°-90°	35.0	1.3
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°	714.4	26.5
0°-40°	1172.9	43.4
0°-60°	2107.2	78.0
0°-90°	2701.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2701.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	917	917	917	917	917	
5°	916	914	910	916	914	87
15°	881	881	879	888	888	249
25°	812	814	819	830	832	374
35°	712	719	730	749	753	445
45°	589	601	625	653	662	453
55°	442	464	510	545	559	394
65°	282	318	382	414	420	278
75°	124	178	218	196	191	133
85°	26	32	20	13	10	31
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	917.2	917.2	917.2	917.2	917.2
2.5°	920.6	918.0	912.2	917.2	914.8
5°	916.5	913.9	909.6	915.7	913.9
7.5°	912.2	908.8	904.5	911.4	909.6
10°	903.6	901.0	898.7	904.5	903.6
12.5°	893.5	892.7	890.1	897.0	896.1
15°	880.8	880.8	879.1	887.5	887.5
17.5°	867.1	866.2	867.1	876.5	875.7
20°	851.0	851.0	851.8	863.0	863.0
22.5°	831.4	832.3	834.8	848.4	847.5
25°	812.1	813.6	818.7	830.5	832.3
27.5°	788.2	792.5	798.3	812.7	814.4
30°	766.1	768.6	777.9	791.6	794.9
32.5°	739.8	744.8	755.1	770.4	774.7
35°	711.7	718.6	730.4	749.1	753.4
37.5°	683.7	689.8	705.9	725.2	733.0
40°	652.4	662.5	679.4	701.6	710.0
42.5°	621.6	631.9	654.9	677.7	685.5
45°	589.4	600.6	625.1	653.2	662.5
47.5°	553.7	566.6	598.0	627.6	637.7
50°	517.2	533.3	568.1	601.4	613.2
52.5°	479.1	499.3	539.3	574.1	585.3
55°	441.7	463.6	509.6	545.3	558.9
57.5°	403.4	427.3	479.1	519.7	527.5
60°	361.8	390.8	447.5	483.2	493.5
62.5°	321.1	354.2	415.3	449.2	457.8
65°	282.0	317.7	382.2	413.6	419.6
67.5°	239.4	282.0	345.6	374.6	376.2
70°	198.8	248.0	309.9	323.5	312.5
72.5°	158.8	211.5	268.5	257.3	248.0
75°	124.0	177.5	218.4	196.2	191.1
77.5°	91.8	145.3	156.3	144.4	135.0
80°	65.3	114.6	105.3	90.1	85.8
82.5°	44.9	72.2	57.8	44.9	39.1
85°	25.6	32.2	20.4	12.7	10.1
87.5°	11.0	7.7	4.3	3.4	3.4
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)