

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: P880703

Luminaire Tested: **22CZ2-34VHE-HRP-B2750-W2D-3000K**

Issue Date: 10/2/2024

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.



Test Information

Test Method: LM-79-08
Report Number: P880703
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P475114)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 10/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22CZ2-34VHE-HRP-B2750-W2D-3000K
Description: 2X2 3400 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3000K CCT AND HRP LENS

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

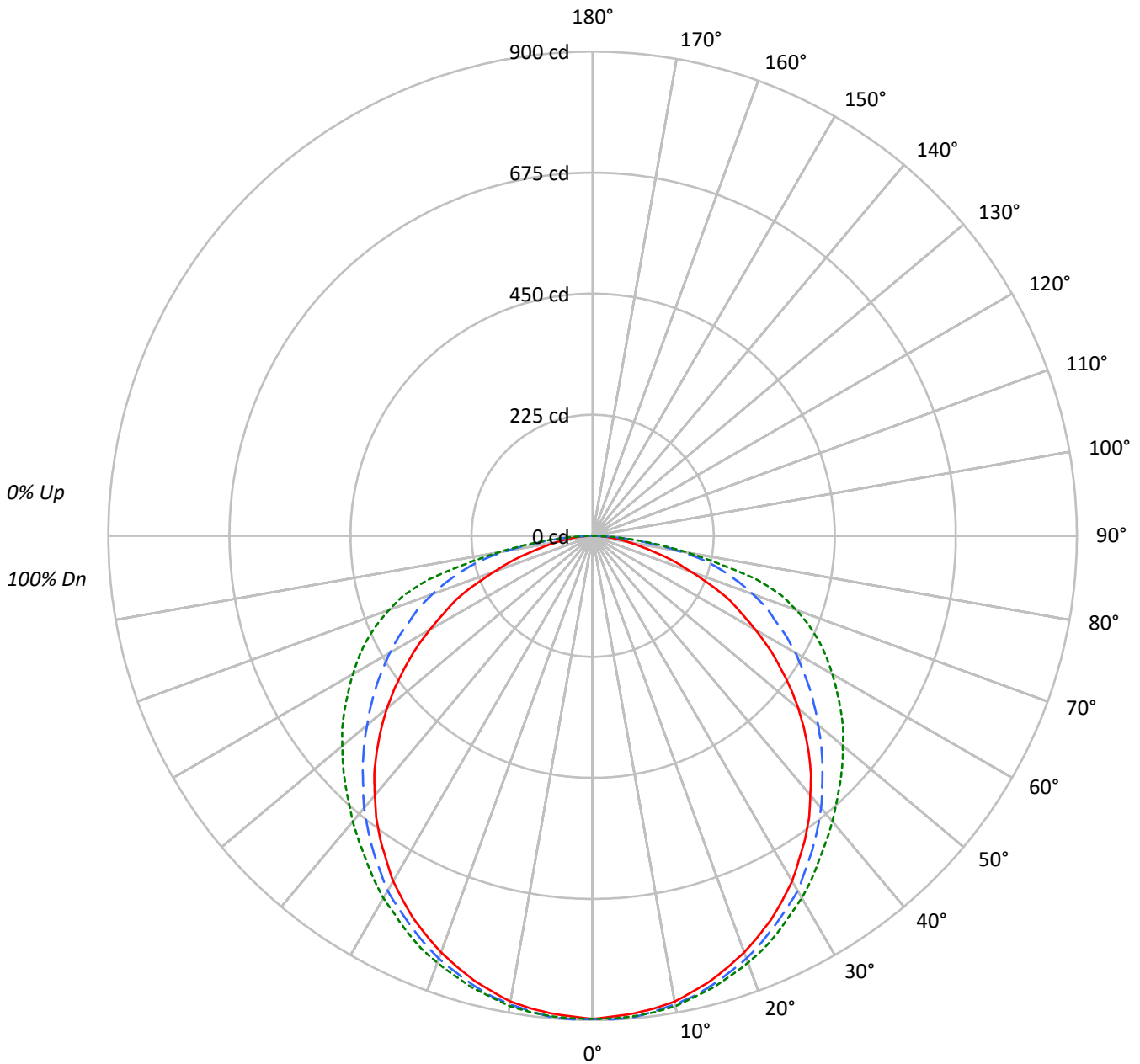
Lumens per Lamp: N/A
Luminaire Lumens: 2727.0 lumens
Efficiency: N/A
Efficacy: 101.0 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.29 / 1.38
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')
CIE Type: Direct

Input Watts (W): 27
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				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				100
1	108	103	98	94	105	101	96	93	96	93	90	92	90	87	89	87	84	82				82
2	98	89	82	76	95	87	80	75	84	78	73	80	75	71	77	73	70	68				68
3	89	78	69	62	86	76	68	62	73	66	61	70	64	60	68	63	59	56				56
4	81	69	59	52	79	67	59	52	65	57	51	62	56	51	60	55	50	48				48
5	74	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41				41
6	69	55	46	39	67	54	45	39	52	44	39	50	43	38	49	43	38	36				36
7	64	50	41	34	62	49	40	34	47	40	34	46	39	34	44	38	33	31				31
8	59	45	37	31	58	45	36	31	43	36	30	42	35	30	41	35	30	28				28
9	55	42	33	28	54	41	33	27	40	32	27	39	32	27	38	31	27	25				25
10	52	38	30	25	50	38	30	25	37	30	25	36	29	25	35	29	24	23				23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2548	2548	2548
5°	2538	2558	2553
10°	2533	2548	2558
15°	2512	2537	2552
20°	2488	2525	2550
25°	2461	2505	2548
30°	2429	2497	2548
35°	2384	2467	2544
40°	2332	2447	2568
45°	2278	2423	2610
50°	2202	2415	2680
55°	2102	2434	2783
60°	1982	2469	2919
65°	1871	2518	3119
70°	1598	2627	3339
75°	1340	2735	3471
80°	1098	2642	2896
85°	951	1957	2126



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.1	3.1
10°-20°	243.5	8.9
20°-30°	369.0	13.5
30°-40°	445.5	16.3
40°-50°	468.1	17.2
50°-60°	440.4	16.2
60°-70°	367.2	13.5
70°-80°	243.4	8.9
80°-90°	64.8	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°	697.5	25.6
0°-40°	1143.0	41.9
0°-60°	2051.6	75.2
0°-90°	2727.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2727.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	898	898	898	898	898	
5°	891	893	898	898	896	85
15°	855	858	864	867	869	241
25°	786	791	800	810	814	362
35°	688	695	712	728	734	430
45°	568	576	604	635	650	437
55°	425	444	492	542	562	380
65°	279	303	375	437	464	271
75°	122	170	250	301	317	133
85°	29	45	60	65	65	34
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	897.9	897.9	897.9	897.9	897.9
2.5°	894.5	896.2	899.7	899.7	897.9
5°	891.1	892.8	897.9	897.9	896.2
7.5°	885.9	887.8	891.1	894.5	892.8
10°	879.0	880.8	884.2	887.8	887.8
12.5°	867.0	868.7	875.6	877.5	877.5
15°	855.0	858.4	863.6	867.0	868.7
17.5°	839.5	843.0	849.8	856.7	856.7
20°	824.0	827.5	836.1	843.0	844.5
22.5°	805.1	810.3	818.9	827.5	830.9
25°	786.2	791.4	800.0	810.3	813.7
27.5°	763.7	768.9	781.1	793.1	794.7
30°	741.4	746.5	762.0	772.3	777.6
32.5°	713.9	720.8	736.2	751.7	756.9
35°	688.1	695.0	712.2	727.8	734.5
37.5°	660.6	667.3	686.4	705.5	713.9
40°	629.5	638.3	660.6	681.2	693.3
42.5°	600.5	609.1	631.4	658.9	670.9
45°	567.6	576.2	603.9	634.7	650.3
47.5°	533.3	543.6	576.2	614.2	629.5
50°	498.9	510.9	547.0	590.0	607.2
52.5°	462.6	478.3	519.5	566.1	586.5
55°	424.8	443.9	492.0	541.9	562.5
57.5°	388.7	406.1	462.6	516.1	538.4
60°	349.2	371.6	435.1	490.1	514.4
62.5°	311.4	335.5	406.1	464.5	490.1
65°	278.7	302.6	375.0	436.9	464.5
67.5°	235.6	268.4	349.2	407.6	435.1
70°	192.6	237.3	316.6	376.7	402.5
72.5°	160.0	203.0	283.9	344.1	368.1
75°	122.2	170.3	249.5	301.1	316.6
77.5°	91.3	141.1	213.3	239.2	240.8
80°	67.2	108.3	161.7	170.3	177.2
82.5°	46.6	75.6	105.0	115.1	118.8
85°	29.2	44.7	60.1	65.3	65.3
87.5°	15.5	17.2	20.6	20.6	20.6
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)