

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: P880802

Luminaire Tested: **24CZ2-30VHE-HRP-B2750-W2D-2700K**

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: P880802
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P474369)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 10/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 24CZ2-30VHE-HRP-B2750-W2D-2700K
Description: 2X4 3000 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 2700K CCT AND HRP LENS

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

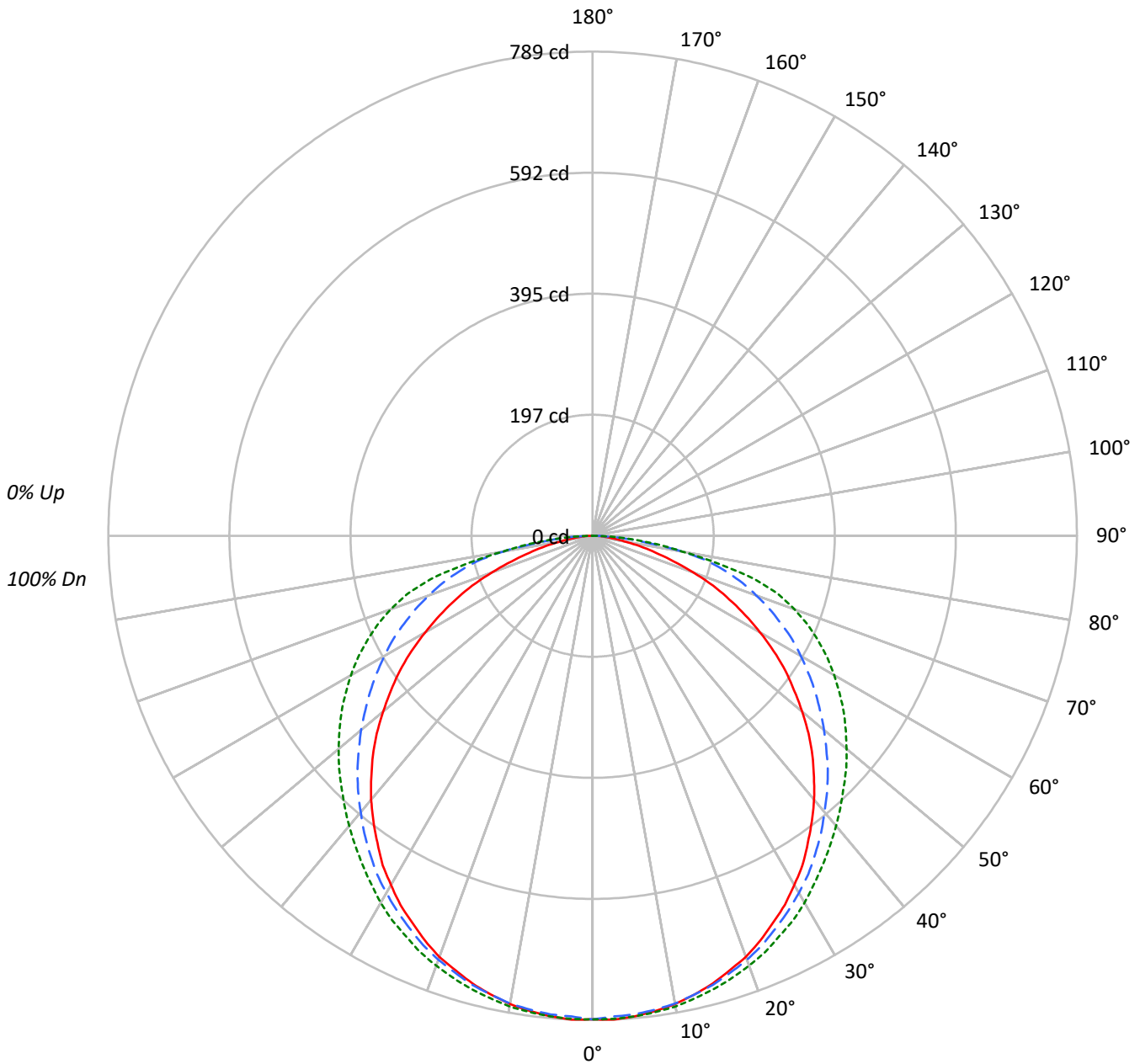
Lumens per Lamp: N/A
Luminaire Lumens: 2429.0 lumens
Efficiency: N/A
Efficacy: 105.6 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.3 / 1.4
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 23
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	108	103	98	94	105	101	96	93	96	93	90	92	90	87	89	86	84	82																			
2	98	89	82	76	95	87	80	75	83	78	73	80	75	71	77	73	70	67																			
3	89	78	69	62	86	76	68	62	73	66	61	70	64	59	68	63	58	56																			
4	81	68	59	52	79	67	59	52	65	57	51	62	56	50	60	54	50	48																			
5	74	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41																			
6	69	55	46	39	67	54	45	39	52	44	38	50	43	38	49	42	38	36																			
7	63	50	41	34	62	49	40	34	47	39	34	46	39	34	44	38	33	31																			
8	59	45	36	30	57	44	36	30	43	36	30	42	35	30	41	34	30	28																			
9	55	41	33	27	54	41	33	27	40	32	27	39	32	27	38	31	27	25																			
10	52	38	30	25	50	38	30	25	37	30	25	36	29	24	35	29	24	23																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1112	1112	1112
5°	1114	1109	1114
10°	1111	1109	1116
15°	1104	1107	1117
20°	1097	1104	1120
25°	1083	1099	1121
30°	1071	1095	1125
35°	1053	1090	1127
40°	1034	1083	1137
45°	1011	1082	1155
50°	978	1081	1186
55°	943	1088	1229
60°	890	1105	1283
65°	822	1131	1355
70°	718	1170	1443
75°	582	1231	1491
80°	430	1207	1207
85°	329	889	1004



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.7	3.1
10°-20°	214.4	8.8
20°-30°	326.4	13.4
30°-40°	396.3	16.3
40°-50°	418.7	17.2
50°-60°	395.1	16.3
60°-70°	328.5	13.5
70°-80°	216.1	8.9
80°-90°	58.9	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°	615.4	25.3
0°-40°	1011.7	41.7
0°-60°	1825.5	75.2
0°-90°	2429.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2429.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	788	788	788	788	788	
5°	786	786	783	786	786	75
15°	756	756	758	765	765	213
25°	696	700	706	718	720	321
35°	611	618	632	649	654	383
45°	506	517	542	568	579	390
55°	383	400	442	484	499	341
65°	246	275	339	388	406	243
75°	107	156	226	267	274	115
85°	20	45	55	61	62	25
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	788.1	788.1	788.1	788.1	788.1
2.5°	789.1	788.1	784.0	788.1	788.1
5°	786.1	786.1	783.0	786.1	786.1
7.5°	781.0	781.0	778.9	783.0	783.0
10°	774.9	774.9	773.9	778.9	778.9
12.5°	765.7	766.6	765.7	771.8	771.8
15°	755.5	756.5	757.6	764.7	764.7
17.5°	742.4	744.4	746.4	754.5	755.5
20°	730.2	731.1	735.2	744.4	745.4
22.5°	713.9	716.9	722.0	731.1	734.3
25°	695.5	699.6	705.7	717.9	719.9
27.5°	678.2	681.3	689.5	702.7	706.8
30°	656.9	662.0	672.1	685.4	690.5
32.5°	636.5	641.7	653.9	668.0	672.1
35°	611.2	618.3	632.4	648.8	653.9
37.5°	586.7	593.8	611.2	629.4	635.6
40°	561.3	569.4	587.8	609.1	617.2
42.5°	533.8	545.0	565.4	588.7	598.0
45°	506.3	516.6	541.9	568.4	578.6
47.5°	477.0	489.2	516.6	548.1	560.4
50°	445.4	460.6	492.2	526.7	540.0
52.5°	413.9	431.2	466.8	505.3	519.7
55°	383.4	399.6	442.3	484.1	499.3
57.5°	349.8	370.2	416.9	461.6	477.0
60°	315.2	337.7	391.5	438.2	454.5
62.5°	280.6	306.1	367.0	413.9	431.2
65°	246.1	274.6	338.7	388.5	405.8
67.5°	212.5	244.1	312.2	362.0	379.3
70°	173.9	213.6	283.6	332.6	349.8
72.5°	138.3	184.1	256.2	302.1	317.3
75°	106.7	155.7	225.7	267.4	273.5
77.5°	78.3	127.1	194.2	208.4	209.5
80°	52.9	101.6	148.5	146.4	148.5
82.5°	34.6	76.3	93.5	104.7	105.7
85°	20.3	44.8	54.9	61.0	62.0
87.5°	10.1	15.2	19.3	20.3	22.4
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)