

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: P842982

Luminaire Tested: **24CZ2-30-HRP-UNV-B50**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P842982
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P295011)
Test Lab: INNOVATIONS CENTER(G3)
Issue Date: 1/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 24CZ2-30-HRP-UNV-B50
Description: 2X4 3000 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 5000K CCT AND HRP LENS

Light Source: -
Ballast/Driver: -

Summary

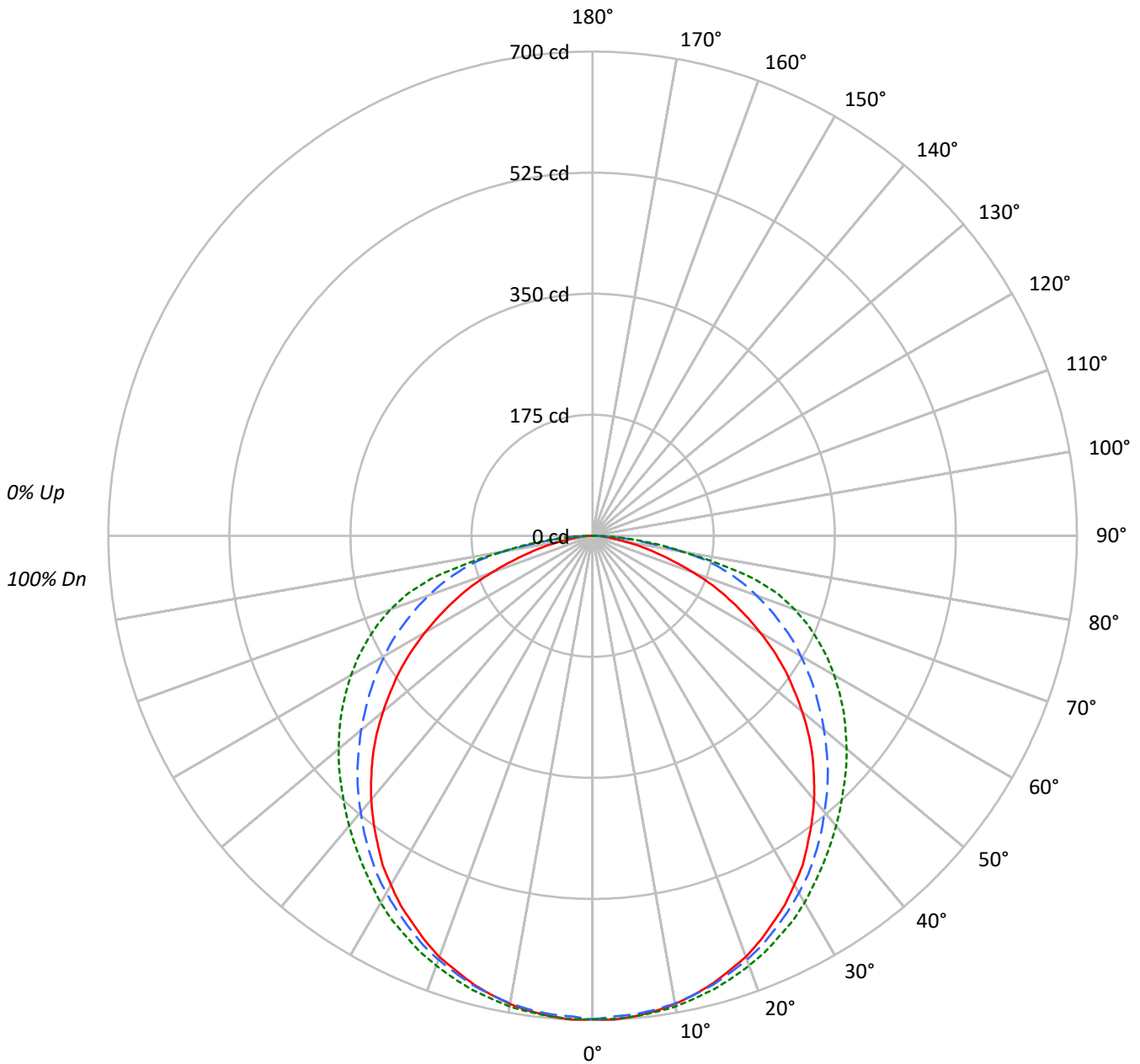
Lumens per Lamp: N/A
Luminaire Lumens: 2155.0 lumens
Efficiency: N/A
Efficacy: 93.7 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.3 / 1.4
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 23
Input Voltage (V): NR
Input Current (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	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°	987	987	987
5°	988	984	988
10°	985	984	990
15°	979	982	991
20°	973	980	993
25°	961	975	995
30°	950	972	998
35°	934	967	999
40°	917	961	1009
45°	897	960	1025
50°	868	959	1052
55°	837	966	1090
60°	790	980	1138
65°	729	1004	1202
70°	637	1039	1281
75°	516	1092	1323
80°	381	1071	1071
85°	293	790	891



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.2	3.1
10°-20°	190.2	8.8
20°-30°	289.6	13.4
30°-40°	351.6	16.3
40°-50°	371.5	17.2
50°-60°	350.5	16.3
60°-70°	291.4	13.5
70°-80°	191.8	8.9
80°-90°	52.3	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°	546.0	25.3
0°-40°	897.6	41.7
0°-60°	1619.5	75.2
0°-90°	2155.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2155.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	699	699	699	699	699	
5°	697	697	695	697	697	66
15°	670	671	672	678	678	189
25°	617	621	626	637	639	285
35°	542	548	561	576	580	339
45°	449	458	481	504	513	346
55°	340	355	392	429	443	303
65°	218	244	300	345	360	216
75°	95	138	200	237	243	102
85°	18	40	49	54	55	22
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	699.2	699.2	699.2	699.2	699.2
2.5°	700.1	699.2	695.5	699.2	699.2
5°	697.4	697.4	694.6	697.4	697.4
7.5°	692.9	692.9	691.1	694.6	694.6
10°	687.5	687.5	686.5	691.1	691.1
12.5°	679.4	680.3	679.4	684.7	684.7
15°	670.3	671.2	672.1	678.5	678.5
17.5°	658.6	660.4	662.2	669.4	670.3
20°	647.8	648.7	652.2	660.4	661.3
22.5°	633.3	636.1	640.5	648.7	651.4
25°	617.1	620.7	626.1	637.0	638.7
27.5°	601.7	604.5	611.6	623.3	627.0
30°	582.8	587.3	596.3	608.1	612.5
32.5°	564.8	569.2	580.1	592.8	596.3
35°	542.2	548.5	561.2	575.6	580.1
37.5°	520.6	526.8	542.2	558.4	563.9
40°	497.9	505.2	521.5	540.5	547.6
42.5°	473.6	483.6	501.6	522.4	530.5
45°	449.3	458.3	480.9	504.3	513.3
47.5°	423.1	433.9	458.3	486.2	497.1
50°	395.2	408.7	436.7	467.4	479.1
52.5°	367.2	382.5	414.0	448.4	461.0
55°	340.1	354.6	392.4	429.4	442.9
57.5°	310.4	328.4	369.9	409.6	423.1
60°	279.7	299.6	347.3	388.8	403.2
62.5°	249.0	271.6	325.7	367.2	382.5
65°	218.3	243.6	300.5	344.6	359.9
67.5°	188.6	216.6	276.9	321.2	336.5
70°	154.3	189.4	251.7	295.0	310.4
72.5°	122.7	163.3	227.4	268.0	281.5
75°	94.7	138.0	200.3	237.3	242.7
77.5°	69.5	112.8	172.3	185.0	185.9
80°	46.9	90.3	131.8	129.9	131.8
82.5°	30.7	67.6	83.0	92.9	93.8
85°	18.1	39.7	48.8	54.1	55.0
87.5°	9.0	13.5	17.2	18.1	19.9
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)