

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: P731976

Luminaire Tested: **22CZ2-24HE-S-B2750-W2D-2700K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P731976
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P272009)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 1/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22CZ2-24HE-S-B2750-W2D-2700K
Description: 2X2 2400 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 2700K CCT AND SMOOTH LENS

Light Source: -
Ballast/Driver: -

Summary

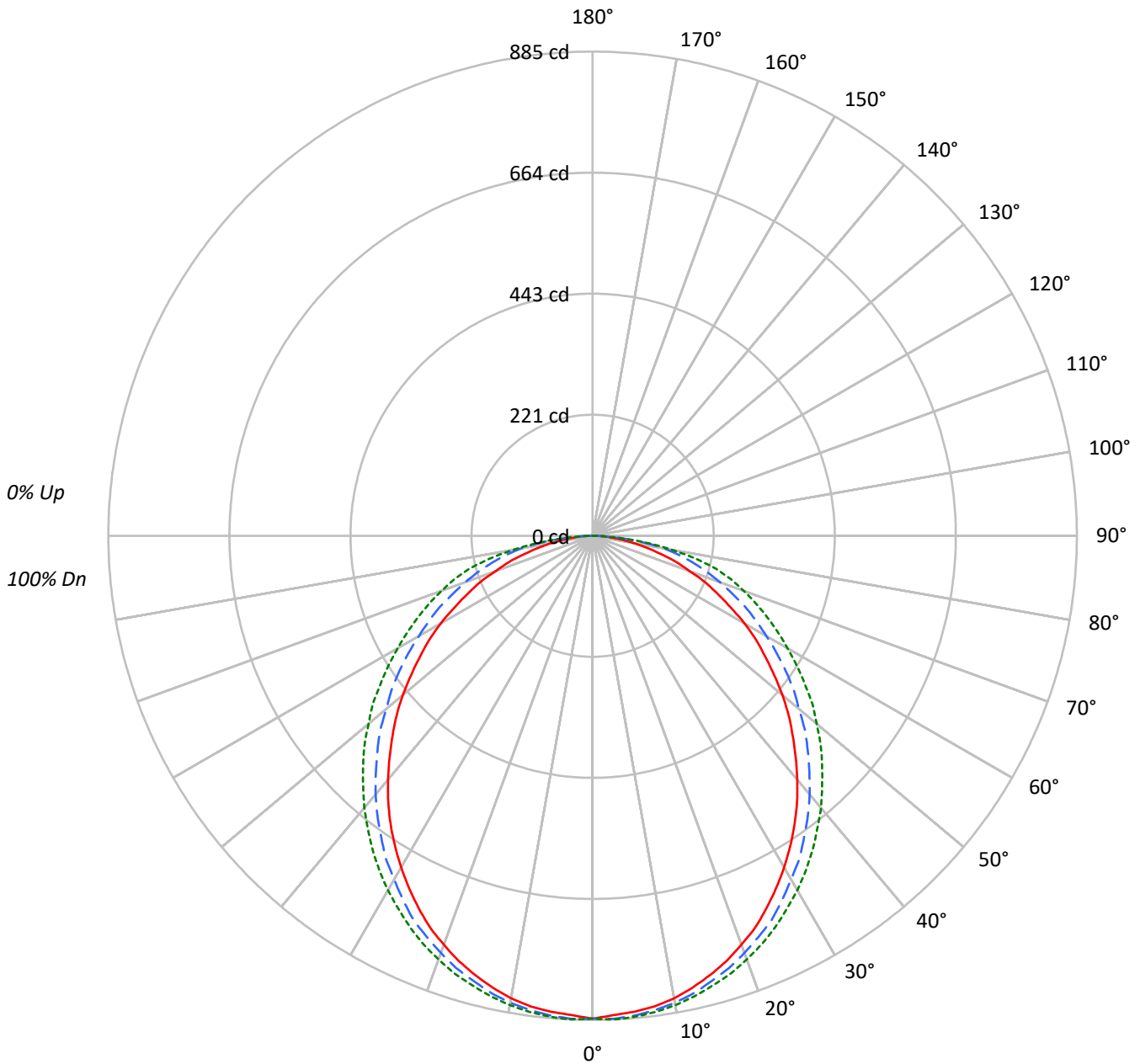
Lumens per Lamp: N/A
Luminaire Lumens: 2463.0 lumens
Efficiency: N/A
Efficacy: 123.1 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.26 / 1.34
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')
CIE Type: Direct

Input Watts (W): 20
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	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	83																			
2	98	90	83	77	96	88	82	76	84	79	74	81	77	73	78	74	71	69																			
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58																			
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	61	56	52	49																			
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43																			
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37																			
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33																			
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	31	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	51	39	31	26	38	31	26	37	31	26	36	30	26	24																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2504	2504	2504
5°	2488	2507	2514
10°	2474	2497	2510
15°	2441	2474	2498
20°	2401	2450	2488
25°	2353	2425	2472
30°	2293	2376	2451
35°	2229	2333	2428
40°	2154	2286	2405
45°	2075	2232	2380
50°	1998	2171	2359
55°	1905	2132	2342
60°	1819	2080	2335
65°	1698	2068	2361
70°	1564	2050	2431
75°	1411	2079	2559
80°	1219	2141	2404
85°	1009	1794	1794



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.5	3.4
10°-20°	237.5	9.6
20°-30°	355.4	14.4
30°-40°	420.9	17.1
40°-50°	428.9	17.4
50°-60°	384.4	15.6
60°-70°	301.0	12.2
70°-80°	194.1	7.9
80°-90°	57.3	2.3
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°	676.4	27.5
0°-40°	1097.3	44.5
0°-60°	1910.6	77.6
0°-90°	2463.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2463.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	883	883	883	883	883	
5°	873	876	880	882	883	83
15°	831	836	842	849	850	234
25°	752	758	775	785	790	346
35°	644	652	674	694	701	402
45°	517	529	556	585	593	399
55°	385	398	431	461	474	345
65°	253	268	308	338	352	251
75°	129	148	190	222	233	138
85°	31	42	55	55	55	36
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	882.6	882.6	882.6	882.6	882.6
2.5°	876.8	879.1	883.7	884.9	884.9
5°	873.4	875.7	880.2	881.5	882.6
7.5°	867.6	868.7	874.5	876.8	878.0
10°	858.5	860.7	866.5	870.0	871.1
12.5°	845.7	849.2	856.1	860.7	861.9
15°	830.9	835.5	842.3	849.2	850.5
17.5°	814.7	819.4	828.6	836.6	839.0
20°	795.2	801.0	811.3	820.5	824.0
22.5°	775.7	780.2	793.0	804.5	807.9
25°	751.6	758.5	774.6	784.9	789.5
27.5°	726.2	734.3	750.5	764.2	768.7
30°	699.9	707.9	725.1	742.4	748.1
32.5°	672.2	681.5	702.1	719.4	725.1
35°	643.6	651.6	673.5	694.1	701.0
37.5°	613.6	620.6	645.9	667.6	674.6
40°	581.5	590.6	617.1	642.4	649.2
42.5°	549.2	559.6	586.1	613.6	620.6
45°	517.1	528.6	556.2	585.0	593.0
47.5°	486.1	495.2	526.4	553.9	565.4
50°	452.7	462.0	491.9	522.9	534.4
52.5°	418.2	431.0	463.1	493.0	506.7
55°	385.0	397.6	431.0	460.9	473.5
57.5°	354.0	364.2	398.7	429.7	442.5
60°	320.6	329.9	366.6	400.0	411.4
62.5°	285.0	298.7	336.7	367.7	381.5
65°	252.9	267.7	308.0	337.9	351.6
67.5°	223.0	236.7	275.9	308.0	323.0
70°	188.5	206.9	247.1	279.2	293.0
72.5°	160.9	177.0	218.4	250.5	265.5
75°	128.7	148.2	189.6	221.9	233.4
77.5°	102.3	121.9	160.9	186.1	191.9
80°	74.6	94.2	131.0	143.6	147.1
82.5°	50.5	69.0	94.2	97.6	98.9
85°	31.0	42.5	55.1	55.1	55.1
87.5°	15.0	17.2	19.5	18.4	18.4
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)