

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: P731977

Luminaire Tested: **22CZ2-24HE-S-B2750-W2D-3000K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P731977
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-3000K
Description: 2X2 2400 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3000K CCT AND SMOOTH LENS

Light Source: -
Ballast/Driver: -

Summary

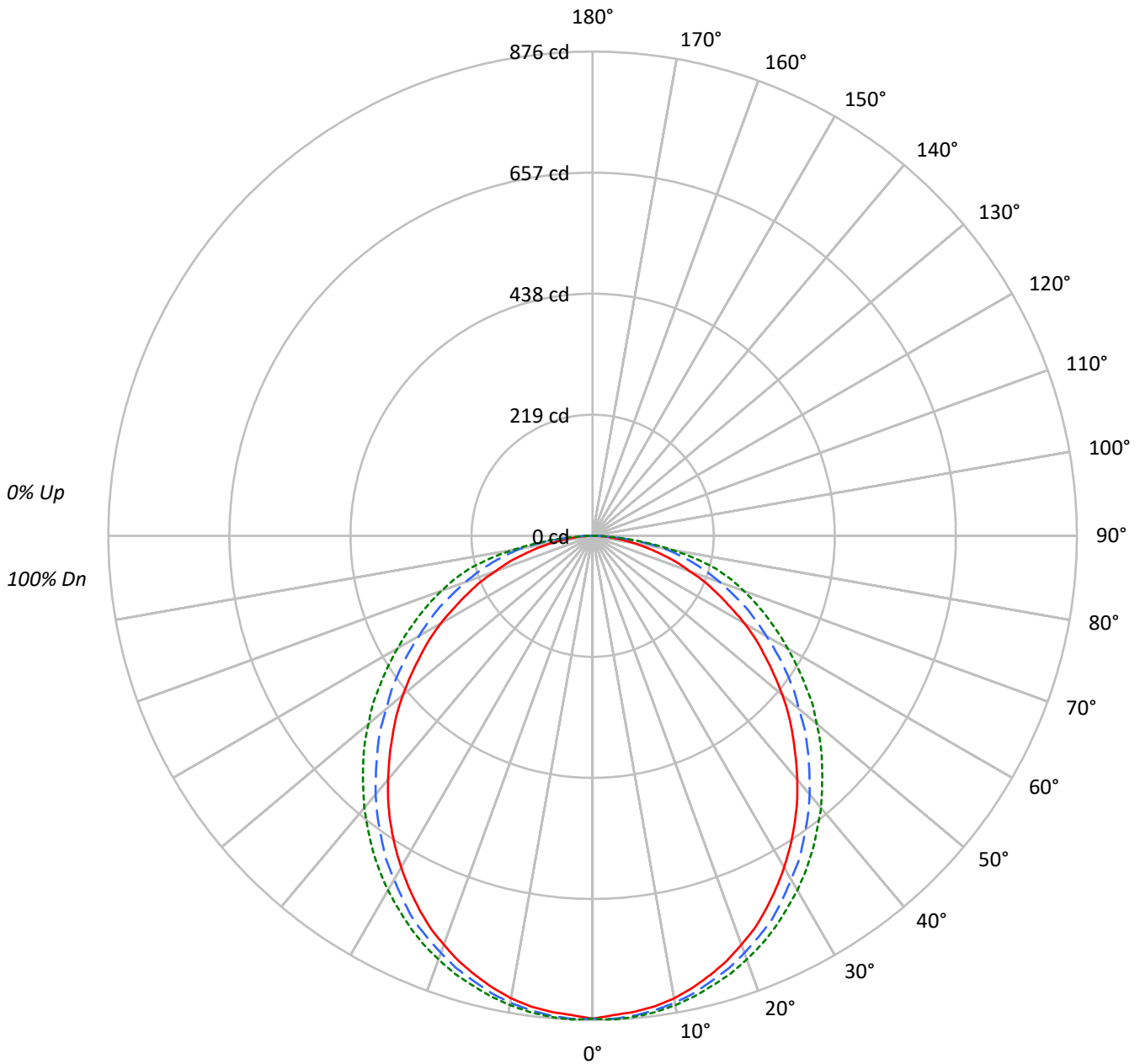
Lumens per Lamp: N/A
Luminaire Lumens: 2438.0 lumens
Efficiency: N/A
Efficacy: 121.9 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.26 / 1.34
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')
CIE Type: Direct

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°	2479	2479	2479
5°	2463	2482	2488
10°	2449	2471	2484
15°	2416	2449	2473
20°	2377	2425	2463
25°	2329	2400	2447
30°	2270	2352	2426
35°	2207	2309	2404
40°	2132	2262	2380
45°	2054	2209	2356
50°	1978	2149	2335
55°	1885	2110	2319
60°	1801	2059	2311
65°	1681	2047	2337
70°	1548	2029	2407
75°	1396	2058	2533
80°	1208	2119	2379
85°	1000	1778	1778



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.6	3.4
10°-20°	235.1	9.6
20°-30°	351.8	14.4
30°-40°	416.6	17.1
40°-50°	424.6	17.4
50°-60°	380.5	15.6
60°-70°	297.9	12.2
70°-80°	192.1	7.9
80°-90°	56.7	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°	669.5	27.5
0°-40°	1086.1	44.5
0°-60°	1891.2	77.6
0°-90°	2438.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2438.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	874	874	874	874	874	
5°	865	867	871	872	874	82
15°	822	827	834	841	842	232
25°	744	751	767	777	782	342
35°	637	645	667	687	694	398
45°	512	523	550	579	587	395
55°	381	394	427	456	469	342
65°	250	265	305	334	348	249
75°	127	147	188	220	231	137
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°	873.6	873.6	873.6	873.6	873.6
2.5°	867.9	870.2	874.7	876.0	876.0
5°	864.6	866.8	871.3	872.5	873.6
7.5°	858.8	859.9	865.7	867.9	869.1
10°	849.8	852.0	857.7	861.1	862.2
12.5°	837.2	840.6	847.4	852.0	853.2
15°	822.5	827.0	833.7	840.6	841.8
17.5°	806.5	811.1	820.2	828.1	830.4
20°	787.1	792.9	803.0	812.2	815.6
22.5°	767.8	772.3	784.9	796.3	799.7
25°	743.9	750.8	766.7	777.0	781.5
27.5°	718.9	726.8	742.8	756.4	760.9
30°	692.8	700.8	717.8	734.9	740.5
32.5°	665.4	674.6	695.0	712.1	717.8
35°	637.0	645.0	666.6	687.1	693.9
37.5°	607.4	614.3	639.3	660.9	667.7
40°	575.6	584.7	610.8	635.9	642.6
42.5°	543.7	553.9	580.1	607.4	614.3
45°	511.9	523.2	550.5	579.0	587.0
47.5°	481.2	490.2	521.0	548.3	559.7
50°	448.1	457.3	486.9	517.6	529.0
52.5°	414.0	426.6	458.4	488.0	501.6
55°	381.1	393.6	426.6	456.2	468.7
57.5°	350.4	360.5	394.7	425.4	438.0
60°	317.3	326.5	362.9	395.9	407.3
62.5°	282.1	295.7	333.2	364.0	377.7
65°	250.3	265.0	304.9	334.5	348.1
67.5°	220.7	234.3	273.1	304.9	319.7
70°	186.6	204.8	244.6	276.4	290.1
72.5°	159.3	175.2	216.2	248.0	262.8
75°	127.3	146.7	187.7	219.6	231.0
77.5°	101.3	120.6	159.3	184.2	190.0
80°	73.9	93.2	129.7	142.2	145.6
82.5°	50.0	68.3	93.2	96.6	97.9
85°	30.7	42.1	54.6	54.6	54.6
87.5°	14.8	17.0	19.3	18.2	18.2
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)