

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: P731961

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

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P731961
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P271965)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 1/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22CZ2-24HE-B2750-W2D-2700K
Description: 2X2 2400 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 2700K CCT AND RIBBED LENS

Light Source: -
Ballast/Driver: -

Summary

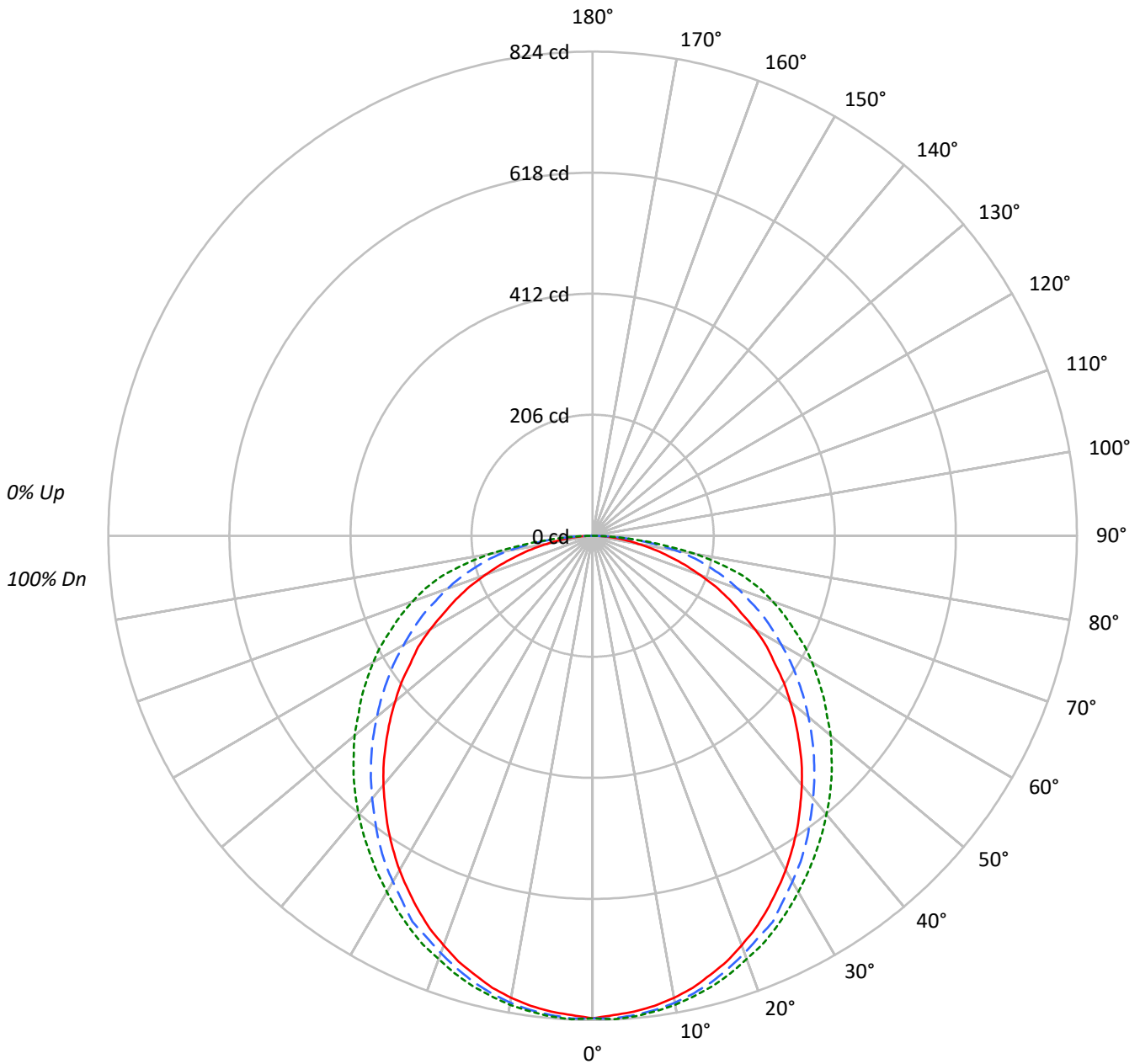
Lumens per Lamp: N/A
Luminaire Lumens: 2415.0 lumens
Efficiency: N/A
Efficacy: 120.7 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.36
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')
CIE Type: Direct

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					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								
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	81	75	84	78	73	80	76	71	77	73	70	68								
3	89	78	69	63	86	76	68	62	73	66	61	70	65	60	68	63	59	56								
4	81	69	60	53	79	67	59	52	65	57	52	63	56	51	60	55	50	48								
5	75	61	52	45	72	60	52	45	58	50	44	56	49	44	54	48	44	41								
6	69	55	46	39	67	54	46	39	52	45	39	51	44	39	49	43	38	36								
7	64	50	41	35	62	49	41	35	48	40	34	46	39	34	45	39	34	32								
8	59	46	37	31	58	45	37	31	44	36	31	42	35	30	41	35	30	28								
9	56	42	34	28	54	41	33	28	40	33	28	39	32	27	38	32	27	25								
10	52	39	31	25	51	38	30	25	37	30	25	36	30	25	35	29	25	23								

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2330	2330	2330
5°	2315	2332	2339
10°	2301	2325	2335
15°	2273	2308	2328
20°	2239	2282	2314
25°	2199	2270	2307
30°	2153	2227	2294
35°	2103	2198	2289
40°	2051	2161	2293
45°	1994	2136	2308
50°	1936	2114	2334
55°	1870	2105	2375
60°	1814	2104	2448
65°	1723	2138	2537
70°	1608	2179	2701
75°	1472	2254	2918
80°	1283	2350	2874
85°	1123	2090	2286



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.7	3.2
10°-20°	221.2	9.2
20°-30°	332.1	13.7
30°-40°	396.8	16.4
40°-50°	412.6	17.1
50°-60°	382.4	15.8
60°-70°	313.7	13.0
70°-80°	212.1	8.8
80°-90°	66.6	2.8
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°	630.9	26.1
0°-40°	1027.7	42.6
0°-60°	1822.6	75.5
0°-90°	2415.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2415.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	821	821	821	821	821	
5°	813	814	819	820	821	77
15°	774	777	786	790	793	218
25°	702	708	725	733	737	323
35°	607	616	634	654	661	380
45°	497	506	532	563	575	384
55°	378	390	426	463	480	340
65°	257	271	318	360	378	254
75°	134	157	206	247	266	142
85°	34	48	64	71	70	39
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	821.1	821.1	821.1	821.1	821.1
2.5°	816.4	818.7	822.3	823.6	823.6
5°	812.8	814.0	818.7	820.0	821.1
7.5°	806.8	809.2	814.0	815.3	816.4
10°	798.5	800.9	806.8	809.2	810.4
12.5°	787.9	790.2	797.4	800.9	802.1
15°	773.6	777.2	785.5	790.2	792.6
17.5°	759.4	762.8	771.3	778.3	780.7
20°	741.5	749.8	755.8	765.3	766.4
22.5°	723.7	728.5	739.1	748.7	753.4
25°	702.3	708.3	724.9	733.2	736.8
27.5°	679.8	688.1	701.1	714.2	718.9
30°	657.2	663.0	679.8	695.1	700.0
32.5°	632.2	640.5	658.3	673.8	680.9
35°	607.2	615.5	634.5	653.6	660.7
37.5°	580.0	589.4	608.5	631.0	640.5
40°	553.8	560.9	583.4	610.8	619.1
42.5°	526.4	534.7	558.5	588.3	597.7
45°	496.8	506.2	532.4	563.2	575.1
47.5°	468.1	477.7	506.2	537.2	551.3
50°	438.5	450.4	478.9	514.5	528.8
52.5°	410.0	420.7	452.8	489.6	502.6
55°	377.9	389.8	425.5	463.4	480.0
57.5°	351.7	360.0	399.2	438.5	455.1
60°	319.6	330.4	370.8	412.3	431.3
62.5°	285.3	303.0	344.5	387.4	406.4
65°	256.6	270.9	318.5	360.0	377.9
67.5°	227.0	242.4	288.7	332.8	353.0
70°	193.8	213.9	262.6	306.6	325.6
72.5°	164.0	185.4	235.3	278.1	298.3
75°	134.3	156.8	205.6	247.2	266.2
77.5°	105.8	130.7	178.3	210.4	222.3
80°	78.5	102.2	143.8	166.4	175.9
82.5°	54.7	74.9	105.8	117.7	120.0
85°	34.5	47.5	64.2	71.3	70.2
87.5°	15.5	19.0	23.8	26.2	24.9
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)