

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: P842969

Luminaire Tested: **22CZ2-44HE-RDP-UNV-B40**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P842969
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P274731)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 1/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22CZ2-44HE-RDP-UNV-B40
Description: 2X2 4400 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 4000K CCT AND RDP LENS

Light Source: -
Ballast/Driver: -

Summary

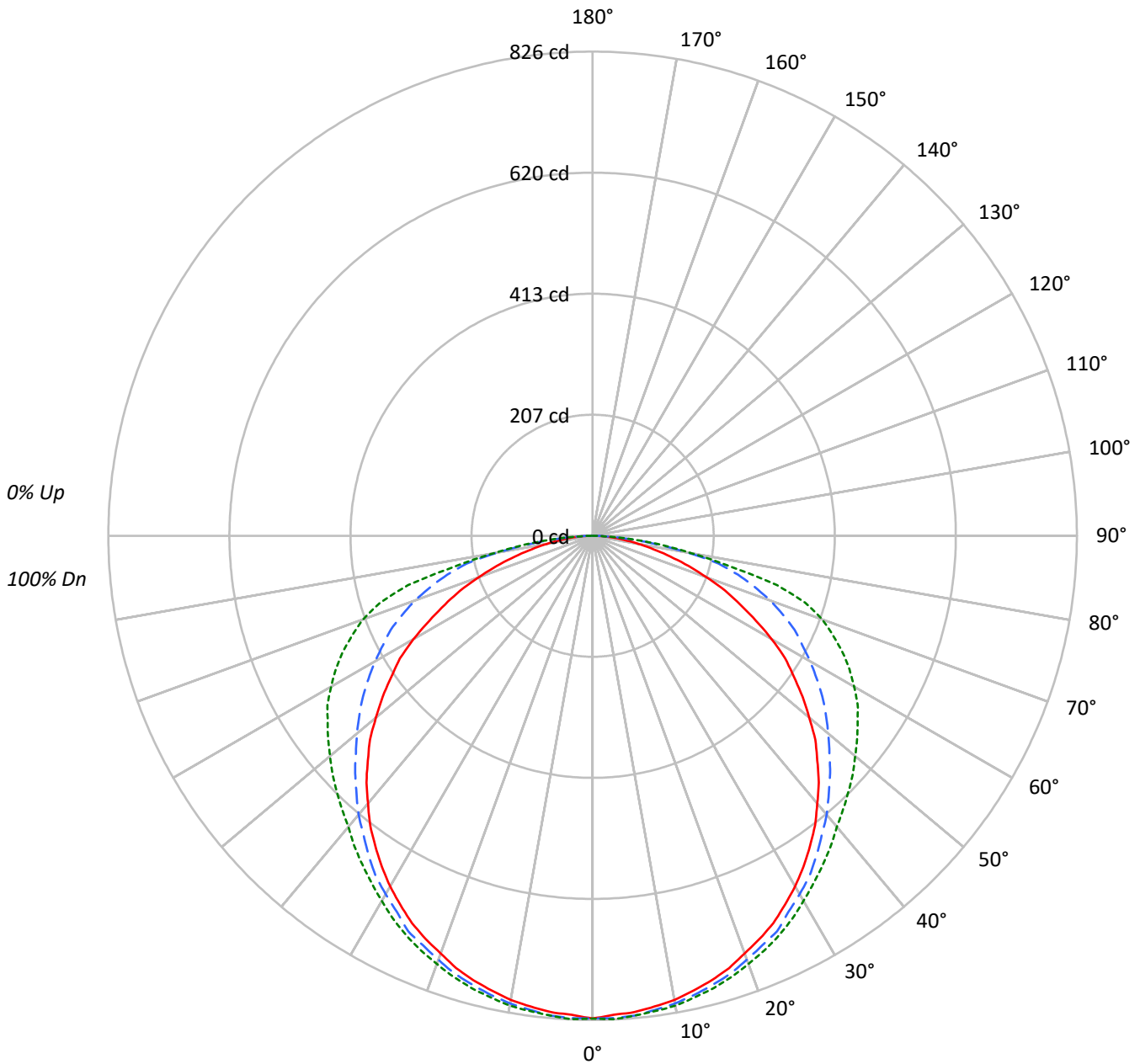
Lumens per Lamp: N/A
Luminaire Lumens: 2622.0 lumens
Efficiency: N/A
Efficacy: 72.8 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.3 / 1.41
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')
CIE Type: Direct

Input Watts (W): 36
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	100	96	92	96	92	89	92	89	86	88	86	84	82																			
2	97	88	81	75	95	86	80	74	83	77	72	80	75	71	76	72	69	67																			
3	88	77	68	61	86	75	67	61	72	65	60	70	64	59	67	62	58	55																			
4	80	68	59	51	78	66	58	51	64	56	50	61	55	50	59	54	49	47																			
5	74	60	51	44	72	59	50	44	57	49	43	55	48	43	53	47	42	40																			
6	68	54	45	38	66	53	44	38	51	43	38	50	43	37	48	42	37	35																			
7	63	49	40	33	61	48	39	33	47	39	33	45	38	33	44	37	33	31																			
8	59	45	36	30	57	44	35	30	43	35	29	41	34	29	40	34	29	27																			
9	55	41	32	27	53	40	32	27	39	32	26	38	31	26	37	31	26	24																			
10	51	38	30	24	50	37	29	24	36	29	24	35	29	24	34	28	24	22																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2337	2337	2337
5°	2324	2341	2341
10°	2317	2334	2345
15°	2306	2329	2346
20°	2289	2324	2347
25°	2283	2331	2355
30°	2263	2313	2357
35°	2239	2306	2372
40°	2208	2301	2401
45°	2175	2299	2477
50°	2129	2315	2580
55°	2071	2366	2729
60°	2003	2429	2923
65°	1865	2551	3160
70°	1712	2673	3455
75°	1503	2812	3573
80°	1291	2680	2806
85°	1126	1944	2132



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.9	3.0
10°-20°	223.7	8.5
20°-30°	341.3	13.0
30°-40°	416.7	15.9
40°-50°	445.6	17.0
50°-60°	430.1	16.4
60°-70°	370.2	14.1
70°-80°	250.5	9.6
80°-90°	66.1	2.5
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°	642.9	24.5
0°-40°	1059.6	40.4
0°-60°	1935.3	73.8
0°-90°	2622.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2622.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	824	824	824	824	824	
5°	816	818	822	822	822	77
15°	785	787	793	797	799	221
25°	729	733	744	748	752	336
35°	646	652	666	679	685	404
45°	542	552	573	602	617	418
55°	419	432	478	527	552	375
65°	278	305	380	440	471	276
75°	137	181	256	309	326	147
85°	35	48	60	62	66	39
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	823.5	823.5	823.5	823.5	823.5
2.5°	817.9	819.8	823.5	823.5	825.6
5°	815.9	817.9	821.7	821.7	821.7
7.5°	810.0	812.1	815.9	817.9	817.9
10°	804.2	806.3	810.0	812.1	814.0
12.5°	794.7	796.6	802.4	806.3	806.3
15°	785.0	787.0	792.9	796.6	798.7
17.5°	773.6	777.3	783.1	787.0	788.9
20°	758.0	762.0	769.6	775.4	777.3
22.5°	744.5	748.5	756.2	762.0	765.7
25°	729.2	732.9	744.5	748.5	752.2
27.5°	709.9	713.6	723.4	731.1	736.9
30°	690.6	694.4	706.0	715.5	719.4
32.5°	669.3	675.1	688.5	696.2	702.0
35°	646.3	651.8	665.6	679.0	684.8
37.5°	623.0	628.8	642.3	659.7	667.4
40°	596.1	603.8	621.2	644.2	648.1
42.5°	571.0	580.5	596.1	623.0	632.6
45°	542.0	551.7	572.9	601.9	617.2
47.5°	515.0	524.5	547.8	582.6	601.9
50°	482.3	495.7	524.5	565.2	584.5
52.5°	451.4	463.0	501.5	545.9	568.9
55°	418.6	432.1	478.3	526.6	551.7
57.5°	389.6	401.2	453.2	507.4	536.2
60°	352.9	368.4	428.1	486.0	515.0
62.5°	314.3	337.5	403.0	463.0	493.9
65°	277.8	304.8	380.0	439.8	470.6
67.5°	244.8	273.9	351.0	414.7	443.7
70°	206.3	243.0	322.2	383.8	416.5
72.5°	171.7	212.1	289.2	351.0	380.0
75°	137.1	181.2	256.5	308.7	325.9
77.5°	106.2	148.4	220.0	235.3	237.2
80°	79.0	117.5	164.0	165.9	171.7
82.5°	53.9	82.9	106.2	115.7	117.5
85°	34.6	48.3	59.7	61.8	65.5
87.5°	15.3	17.4	21.1	19.3	19.3
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)