

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: P842999

Luminaire Tested: **24CZ2-30HE-RDP-UNV-B40**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P842999
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P274775)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 1/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 24CZ2-30HE-RDP-UNV-B40
Description: 2X4 3000 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 4000K CCT AND RDP LENS

Light Source: -
Ballast/Driver: -

Summary

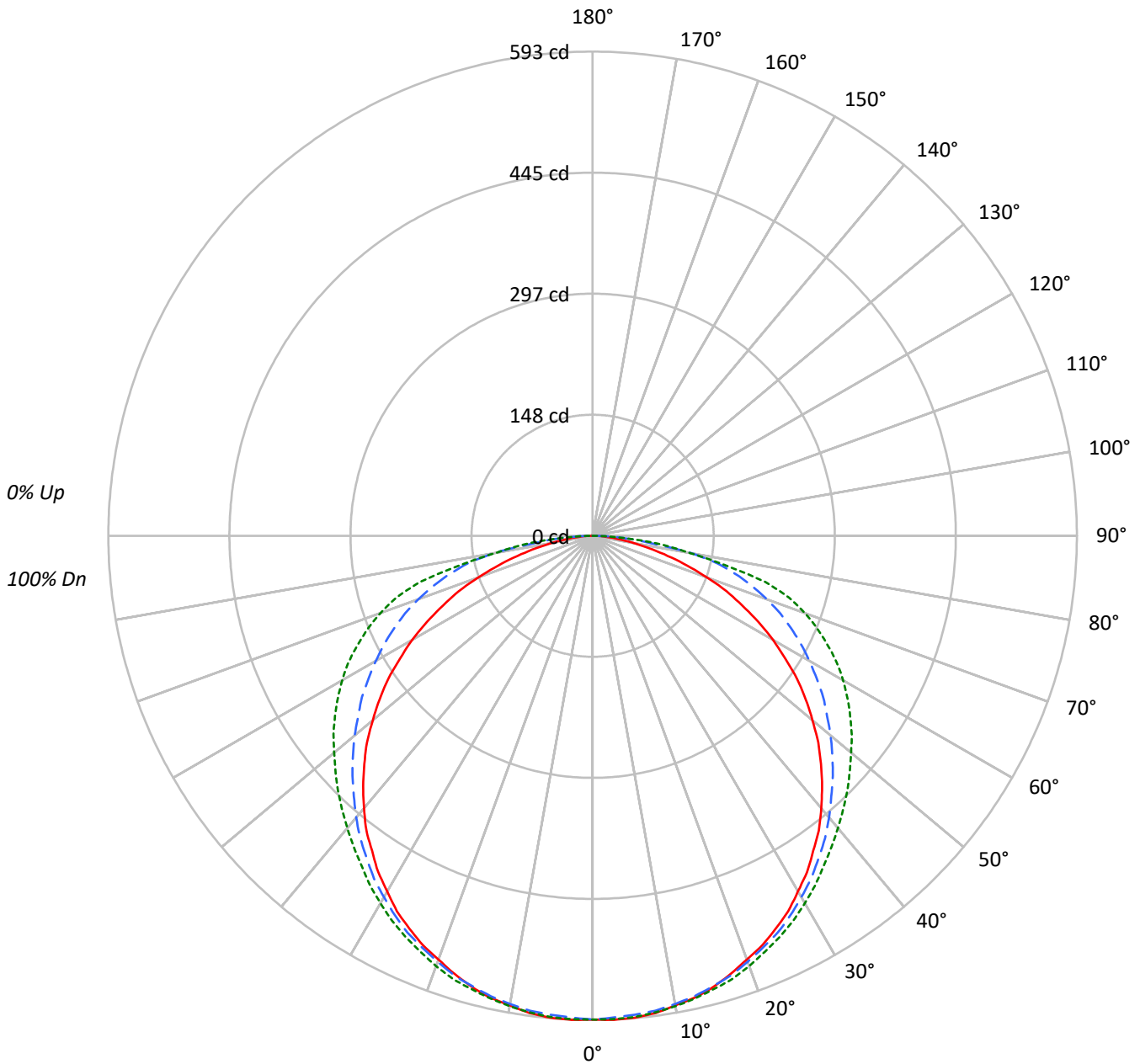
Lumens per Lamp: N/A
Luminaire Lumens: 1884.0 lumens
Efficiency: N/A
Efficacy: 85.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.3 / 1.41
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 22
Input Voltage (V): NR
Input Current (Ain): 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	93	89	92	89	87	88	86	84	82																			
2	97	89	81	75	95	87	80	74	83	77	72	80	75	71	77	73	69	67																			
3	88	77	68	62	86	76	67	61	72	66	60	70	64	59	67	62	58	56																			
4	81	68	59	52	78	67	58	51	64	57	51	62	55	50	59	54	49	47																			
5	74	60	51	44	72	59	51	44	57	49	43	55	48	43	53	47	42	40																			
6	68	54	45	38	66	53	45	38	51	44	38	50	43	37	48	42	37	35																			
7	63	49	40	34	61	48	40	34	47	39	33	45	38	33	44	38	33	31																			
8	59	45	36	30	57	44	36	30	43	35	30	41	34	29	40	34	29	27																			
9	55	41	33	27	53	40	32	27	39	32	27	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°	836	836	836
5°	839	834	838
10°	837	834	838
15°	836	834	840
20°	829	834	842
25°	827	835	844
30°	819	833	847
35°	811	831	850
40°	802	830	861
45°	789	830	880
50°	771	835	907
55°	752	848	947
60°	720	865	1000
65°	674	896	1061
70°	613	937	1141
75°	520	989	1193
80°	410	995	965
85°	303	758	847



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.2	3.0
10°-20°	161.7	8.6
20°-30°	247.3	13.1
30°-40°	302.4	16.0
40°-50°	322.3	17.1
50°-60°	308.1	16.4
60°-70°	261.0	13.9
70°-80°	175.4	9.3
80°-90°	49.5	2.6
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°	465.3	24.7
0°-40°	767.7	40.7
0°-60°	1398.1	74.2
0°-90°	1884.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1884.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	592	592	592	592	592	
5°	592	592	589	592	592	56
15°	572	572	571	576	575	161
25°	531	533	536	541	542	245
35°	471	475	482	492	493	295
45°	395	402	416	434	441	305
55°	306	317	345	372	385	272
65°	202	222	268	304	318	200
75°	95	130	181	212	219	102
85°	19	38	47	50	52	23
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	592.5	592.5	592.5	592.5	592.5
2.5°	593.4	593.4	590.6	592.5	592.5
5°	592.5	591.6	588.8	591.6	591.6
7.5°	589.7	588.8	586.8	589.7	588.8
10°	584.0	584.0	582.2	585.0	585.0
12.5°	579.4	578.5	577.5	581.2	580.3
15°	572.0	572.0	570.9	575.7	574.7
17.5°	562.6	563.5	564.4	568.1	569.1
20°	552.2	554.2	555.1	560.7	560.7
22.5°	542.9	543.9	545.7	551.3	551.3
25°	530.8	532.6	536.4	541.1	542.0
27.5°	518.7	519.6	524.3	530.8	531.7
30°	502.8	505.6	511.1	518.7	519.6
32.5°	488.7	491.5	498.0	505.6	507.4
35°	471.0	474.7	482.2	491.5	493.4
37.5°	455.1	457.9	467.3	477.5	480.4
40°	435.5	441.0	450.4	462.6	467.3
42.5°	415.9	421.4	432.7	448.6	454.2
45°	395.3	401.8	415.9	433.6	441.0
47.5°	374.8	382.2	398.1	418.6	427.1
50°	351.3	360.7	380.3	403.7	413.1
52.5°	328.9	340.2	361.7	387.8	400.0
55°	305.6	316.7	344.8	372.0	385.0
57.5°	279.4	294.3	325.2	356.1	370.0
60°	255.1	269.1	306.5	340.2	354.2
62.5°	229.0	247.7	287.8	323.3	337.4
65°	201.8	222.4	268.2	303.7	317.8
67.5°	177.6	200.0	248.6	284.1	298.2
70°	148.6	176.6	227.0	262.5	276.6
72.5°	121.5	152.3	204.6	239.2	252.3
75°	95.3	129.9	181.3	212.2	218.7
77.5°	71.0	107.5	157.0	170.0	165.4
80°	50.5	86.0	122.4	115.8	118.7
82.5°	32.7	65.5	75.7	86.0	88.8
85°	18.7	38.3	46.8	50.5	52.3
87.5°	8.5	14.0	18.7	18.7	17.8
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)