

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: P880807

Luminaire Tested: **24CZ2-30VHE-RDP-B2750-W2D-2700K**

Issue Date: 10/2/2024

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.



Test Information

Test Method: LM-79-08
Report Number: P880807
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P474311)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 10/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 24CZ2-30VHE-RDP-B2750-W2D-2700K
Description: 2X4 3000 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 2700K CCT AND RDP LENS

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

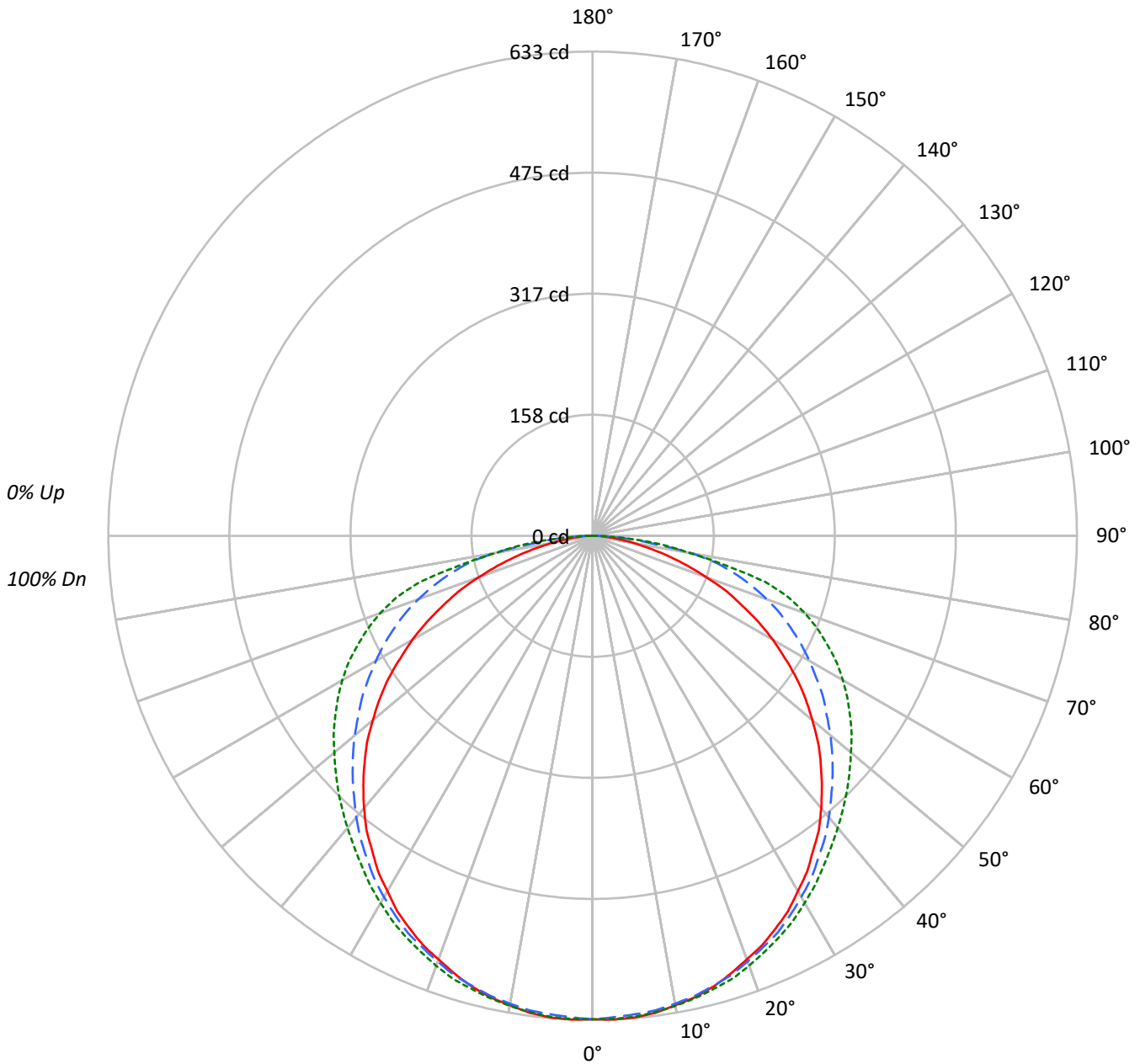
Lumens per Lamp: N/A
Luminaire Lumens: 2010.0 lumens
Efficiency: N/A
Efficacy: 87.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.3 / 1.41
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 23
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					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	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°	892	892	892
5°	896	890	894
10°	893	890	894
15°	891	890	896
20°	885	889	898
25°	882	891	901
30°	874	889	903
35°	866	886	907
40°	856	885	918
45°	842	885	939
50°	823	891	968
55°	802	905	1011
60°	768	923	1066
65°	719	955	1132
70°	654	1000	1218
75°	554	1055	1273
80°	437	1061	1029
85°	324	806	905



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.0	3.0
10°-20°	172.6	8.6
20°-30°	263.9	13.1
30°-40°	322.6	16.0
40°-50°	343.8	17.1
50°-60°	328.7	16.4
60°-70°	278.5	13.9
70°-80°	187.2	9.3
80°-90°	52.8	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°	496.4	24.7
0°-40°	819.0	40.7
0°-60°	1491.5	74.2
0°-90°	2010.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2010.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	632	632	632	632	632	
5°	632	631	628	631	631	60
15°	610	610	609	614	613	172
25°	566	568	572	577	578	261
35°	502	506	514	524	526	315
45°	422	429	444	463	470	325
55°	326	338	368	397	411	290
65°	215	237	286	324	339	214
75°	102	138	193	226	233	109
85°	20	41	50	54	56	25
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	632.1	632.1	632.1	632.1	632.1
2.5°	633.1	633.1	630.1	632.1	632.1
5°	632.1	631.2	628.1	631.2	631.2
7.5°	629.1	628.1	626.1	629.1	628.1
10°	623.2	623.2	621.1	624.1	624.1
12.5°	618.1	617.1	616.2	620.1	619.2
15°	610.1	610.1	609.1	614.1	613.1
17.5°	600.2	601.2	602.2	606.2	607.2
20°	589.2	591.2	592.2	598.2	598.2
22.5°	579.3	580.2	582.3	588.2	588.2
25°	566.3	568.3	572.3	577.2	578.3
27.5°	553.3	554.3	559.3	566.3	567.3
30°	536.3	539.3	545.4	553.3	554.3
32.5°	521.4	524.4	531.4	539.3	541.4
35°	502.4	506.4	514.4	524.4	526.4
37.5°	485.5	488.4	498.5	509.5	512.4
40°	464.7	470.5	480.5	493.5	498.5
42.5°	443.6	449.7	461.7	478.5	484.4
45°	421.7	428.8	443.6	462.6	470.5
47.5°	399.8	407.8	424.8	446.7	455.6
50°	374.8	384.8	405.8	430.7	440.7
52.5°	351.0	362.9	385.8	413.8	426.7
55°	325.9	337.9	367.9	396.8	410.7
57.5°	298.1	314.0	347.0	379.9	394.8
60°	272.2	287.1	327.0	362.9	377.8
62.5°	244.3	264.2	307.1	344.9	359.9
65°	215.3	237.4	286.1	324.0	339.0
67.5°	189.5	213.4	265.2	303.1	318.0
70°	158.5	188.4	242.3	280.1	295.1
72.5°	129.6	162.5	218.4	255.3	269.2
75°	101.6	138.5	193.4	226.3	233.4
77.5°	75.8	114.6	167.5	181.5	176.5
80°	53.8	91.8	130.6	123.5	126.6
82.5°	35.0	69.8	80.8	91.8	94.6
85°	20.0	40.9	49.8	53.8	55.9
87.5°	9.0	15.0	20.0	20.0	19.0
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)