

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: P880698

Luminaire Tested: **22CZ2-34VHE-B2750-W2D-3000K**

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: P880698
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P474795)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 10/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22CZ2-34VHE-B2750-W2D-3000K
Description: 2X2 3400 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3000K CCT AND RIBBED LENS

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

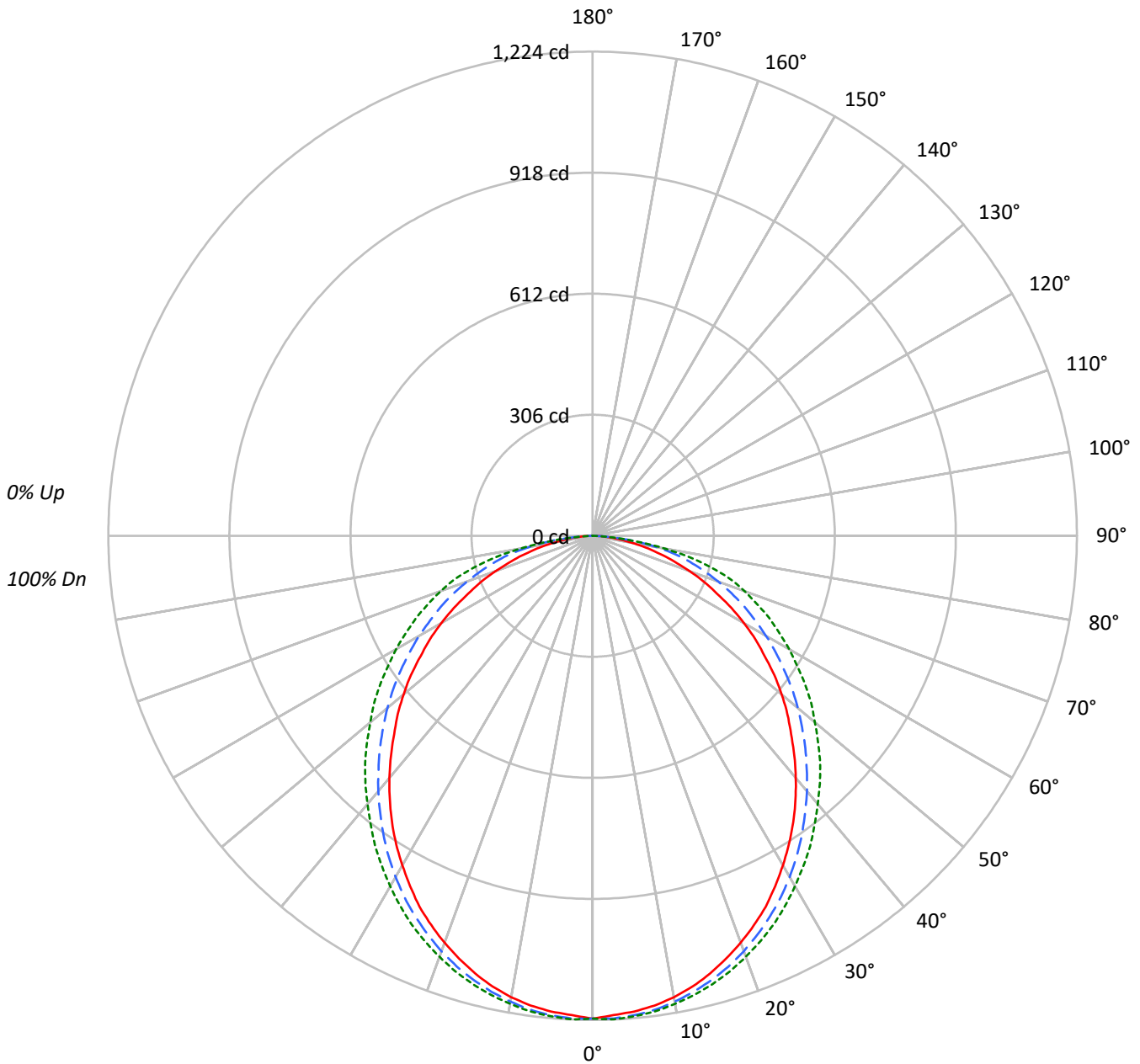
Lumens per Lamp: N/A
Luminaire Lumens: 3366.0 lumens
Efficiency: N/A
Efficacy: 124.7 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.25 / 1.33
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')
CIE Type: Direct

Input Watts (W): 27
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	109	104	99	95	106	101	97	94	97	94	91	93	91	88	90	87	85	83								
2	99	90	83	77	96	88	82	77	85	79	75	81	77	73	78	75	71	69								
3	90	79	71	64	87	78	70	64	75	68	63	72	66	61	69	64	60	58								
4	82	70	61	54	80	69	60	54	66	59	53	64	58	53	62	56	52	50								
5	76	63	54	47	73	62	53	47	59	52	46	57	51	46	56	50	45	43								
6	70	56	47	41	68	55	47	41	54	46	40	52	45	40	50	44	40	38								
7	65	51	42	36	63	50	42	36	49	41	36	47	41	36	46	40	35	33								
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	32	30								
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	29	27								
10	53	40	32	26	52	39	31	26	38	31	26	37	31	26	36	30	26	24								

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3464	3464	3464
5°	3439	3465	3473
10°	3413	3445	3462
15°	3367	3415	3446
20°	3306	3374	3420
25°	3240	3323	3392
30°	3151	3263	3352
35°	3063	3194	3320
40°	2959	3123	3278
45°	2846	3051	3262
50°	2754	2989	3238
55°	2625	2924	3244
60°	2507	2874	3254
65°	2330	2837	3305
70°	2155	2797	3387
75°	1927	2785	3409
80°	1614	2639	2976
85°	1253	1807	1690



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.3	3.4
10°-20°	327.4	9.7
20°-30°	488.1	14.5
30°-40°	576.3	17.1
40°-50°	587.3	17.4
50°-60°	529.6	15.7
60°-70°	416.3	12.4
70°-80°	260.7	7.7
80°-90°	65.0	1.9
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°	930.9	27.7
0°-40°	1507.1	44.8
0°-60°	2624.0	78.0
0°-90°	3366.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3366.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1221	1221	1221	1221	1221	
5°	1207	1210	1216	1219	1219	115
15°	1146	1151	1162	1171	1173	323
25°	1035	1043	1061	1078	1084	476
35°	884	896	922	948	958	553
45°	709	725	760	797	813	549
55°	531	547	591	637	656	476
65°	347	368	422	469	492	346
75°	176	202	254	300	311	187
85°	38	49	56	56	52	46
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1220.8	1220.8	1220.8	1220.8	1220.8
2.5°	1212.8	1215.8	1221.4	1223.6	1223.6
5°	1207.2	1210.0	1216.5	1219.3	1219.3
7.5°	1197.9	1200.7	1208.7	1212.1	1212.8
10°	1184.4	1187.9	1195.7	1201.5	1201.5
12.5°	1167.4	1170.9	1180.8	1187.9	1188.6
15°	1146.0	1151.0	1162.4	1170.9	1173.0
17.5°	1121.1	1128.9	1141.7	1152.4	1154.6
20°	1094.7	1102.5	1117.5	1129.6	1132.5
22.5°	1065.6	1072.7	1090.4	1105.5	1109.0
25°	1035.0	1042.8	1061.4	1077.7	1083.5
27.5°	998.7	1008.0	1030.1	1048.5	1054.3
30°	961.8	973.2	995.9	1016.5	1022.9
32.5°	924.1	934.7	960.3	982.3	990.9
35°	884.1	895.6	922.0	947.5	958.3
37.5°	842.2	853.6	882.2	911.2	921.1
40°	798.9	812.3	843.0	874.2	885.0
42.5°	754.8	768.9	800.9	835.9	850.0
45°	709.2	724.8	760.4	797.4	813.0
47.5°	667.9	680.7	717.8	758.3	773.2
50°	623.8	635.9	677.2	717.8	733.4
52.5°	579.0	590.5	634.6	677.2	696.4
55°	530.6	547.0	591.1	636.6	655.8
57.5°	488.0	502.9	548.5	594.6	613.2
60°	441.7	457.3	506.4	553.5	573.4
62.5°	395.5	412.6	462.3	512.9	531.5
65°	347.1	368.5	422.5	469.4	492.3
67.5°	305.9	326.5	379.9	429.0	448.9
70°	259.7	283.9	337.1	387.0	408.2
72.5°	216.2	240.4	295.2	345.1	366.3
75°	175.8	202.0	254.0	299.5	310.9
77.5°	136.6	161.5	213.4	239.8	251.9
80°	98.8	123.0	161.5	179.3	182.1
82.5°	66.8	87.6	109.6	114.6	111.8
85°	38.5	49.1	55.5	55.5	51.9
87.5°	15.6	15.6	13.6	8.5	5.0
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)