

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: P880697

Luminaire Tested: **22CZ2-34VHE-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: P880697
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-2700K
Description: 2X2 3400 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 2700K CCT AND RIBBED LENS

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

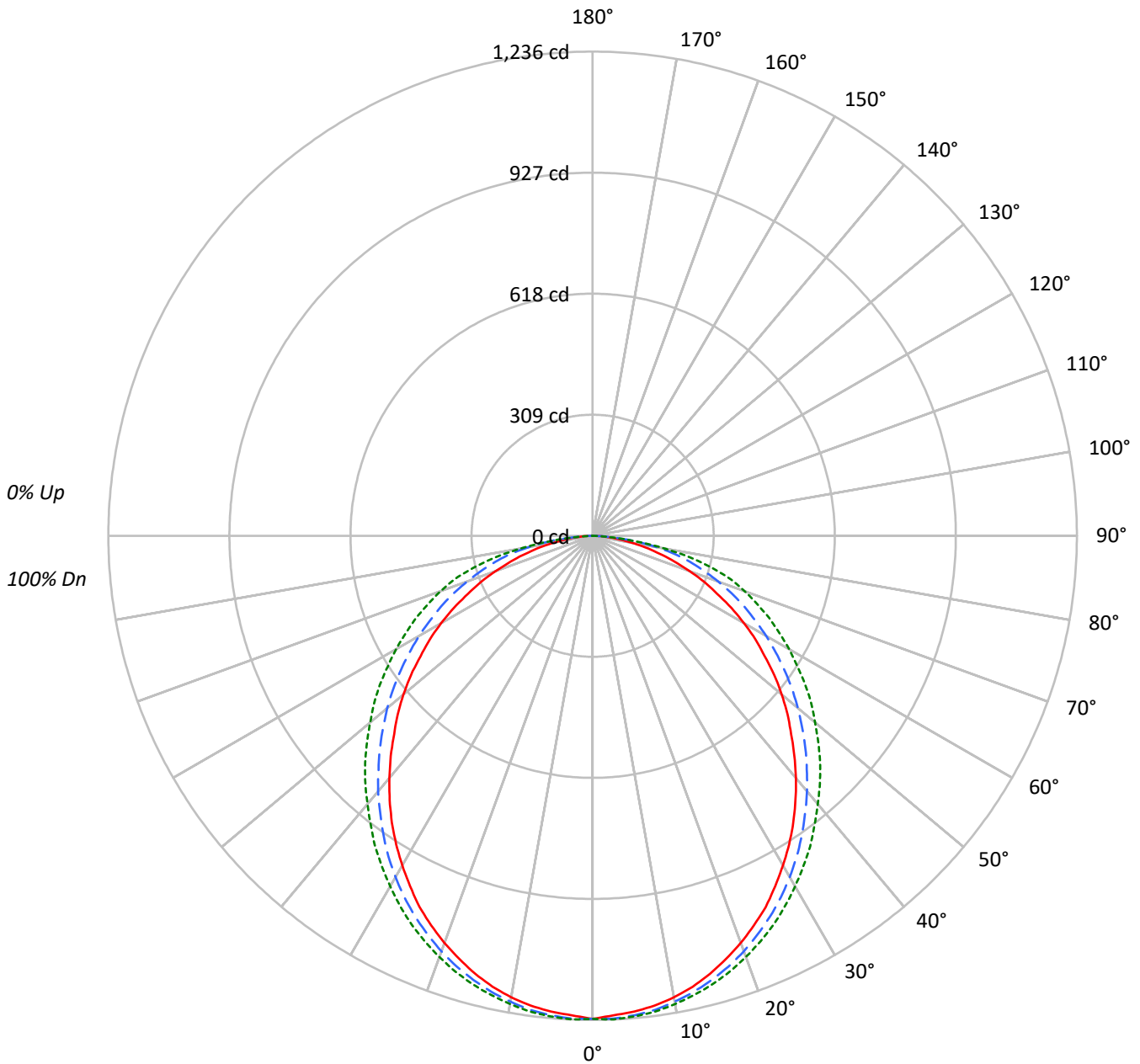
Lumens per Lamp: N/A
Luminaire Lumens: 3400.0 lumens
Efficiency: N/A
Efficacy: 125.9 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.25 / 1.33
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P880697

CATALOG NUMBER: 22CZ2-34VHE-B2750-W2D-2700K

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°	3499	3499	3499
5°	3473	3500	3508
10°	3447	3480	3497
15°	3401	3449	3481
20°	3339	3408	3454
25°	3273	3357	3426
30°	3183	3296	3386
35°	3094	3226	3353
40°	2989	3154	3311
45°	2875	3082	3295
50°	2782	3019	3270
55°	2652	2954	3277
60°	2532	2903	3287
65°	2354	2866	3339
70°	2176	2825	3421
75°	1946	2813	3444
80°	1631	2665	3005
85°	1266	1826	1706



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.5	3.4
10°-20°	330.7	9.7
20°-30°	493.1	14.5
30°-40°	582.1	17.1
40°-50°	593.2	17.4
50°-60°	535.0	15.7
60°-70°	420.5	12.4
70°-80°	263.3	7.7
80°-90°	65.6	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°	940.3	27.7
0°-40°	1522.3	44.8
0°-60°	2650.6	78.0
0°-90°	3400.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3400.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1233	1233	1233	1233	1233	
5°	1219	1222	1229	1232	1232	116
15°	1158	1163	1174	1183	1185	326
25°	1046	1053	1072	1088	1094	481
35°	893	905	931	957	968	558
45°	716	732	768	806	821	554
55°	536	553	597	643	662	481
65°	351	372	427	474	497	350
75°	178	204	257	302	314	188
85°	39	50	56	56	52	47
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1233.1	1233.1	1233.1	1233.1	1233.1
2.5°	1225.1	1228.1	1233.8	1235.9	1235.9
5°	1219.4	1222.2	1228.7	1231.6	1231.6
7.5°	1210.0	1212.8	1220.9	1224.4	1225.1
10°	1196.4	1199.9	1207.8	1213.7	1213.7
12.5°	1179.2	1182.7	1192.7	1199.9	1200.6
15°	1157.6	1162.6	1174.1	1182.7	1184.9
17.5°	1132.4	1140.3	1153.2	1164.1	1166.3
20°	1105.8	1113.7	1128.7	1141.0	1144.0
22.5°	1076.3	1083.5	1101.4	1116.7	1120.2
25°	1045.5	1053.4	1072.1	1088.5	1094.4
27.5°	1008.8	1018.2	1040.5	1059.1	1064.9
30°	971.5	983.0	1006.0	1026.7	1033.3
32.5°	933.4	944.2	970.0	992.2	1000.9
35°	893.1	904.6	931.3	957.1	967.9
37.5°	850.7	862.3	891.1	920.4	930.4
40°	807.0	820.6	851.5	883.0	893.9
42.5°	762.4	776.7	809.0	844.3	858.6
45°	716.4	732.1	768.1	805.5	821.2
47.5°	674.7	687.6	725.1	766.0	781.0
50°	630.1	642.3	684.0	725.1	740.8
52.5°	584.9	596.4	641.0	684.0	703.5
55°	536.0	552.6	597.1	643.0	662.4
57.5°	492.9	508.0	554.1	600.6	619.4
60°	446.2	461.9	511.5	559.1	579.2
62.5°	399.5	416.7	467.0	518.1	536.8
65°	350.6	372.2	426.8	474.2	497.3
67.5°	309.0	329.8	383.7	433.3	453.4
70°	262.3	286.8	340.5	390.9	412.4
72.5°	218.4	242.9	298.1	348.6	370.0
75°	177.5	204.0	256.6	302.5	314.1
77.5°	138.0	163.1	215.6	242.2	254.4
80°	99.8	124.3	163.1	181.1	183.9
82.5°	67.5	88.4	110.7	115.7	112.9
85°	38.9	49.6	56.1	56.1	52.4
87.5°	15.7	15.7	13.7	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)