

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: P842993

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

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P842993
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P272125)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 1/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 24CZ2-30-UNV-B40
Description: 2X4 3000 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 4000K CCT AND RIBBED LENS

Light Source: -
Ballast/Driver: -

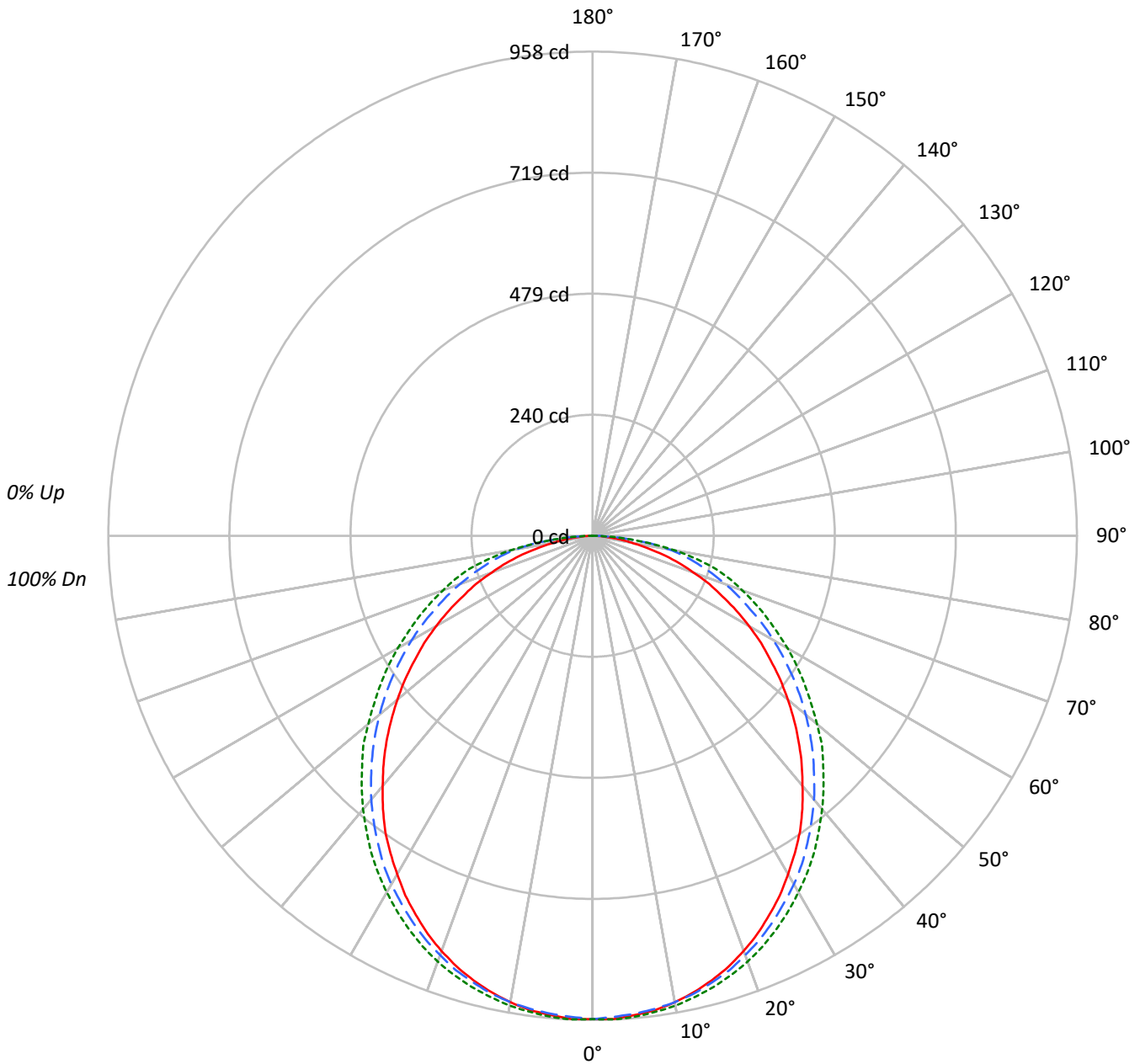
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2722.0 lumens
Efficiency: N/A
Efficacy: 118.3 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.26 / 1.35
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 (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

TEST NUMBER: P842993
CATALOG NUMBER: 24CZ2-30-UNV-B40

Luminous Intensity Polar Plot





TEST NUMBER: P842993

CATALOG NUMBER: 24CZ2-30-UNV-B40

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	99	95	106	101	97	93	97	93	90	93	90	88	89	87	85	83																			
2	98	90	83	77	96	88	81	76	84	79	74	81	76	72	78	74	71	69																			
3	89	79	70	64	87	77	69	63	74	67	62	71	66	61	69	64	60	58																			
4	82	70	61	54	80	68	60	54	66	59	53	63	57	52	61	56	51	49																			
5	75	62	53	46	73	61	53	46	59	51	46	57	50	45	55	49	45	42																			
6	70	56	47	40	68	55	47	40	53	46	40	52	45	40	50	44	39	37																			
7	64	51	42	36	63	50	42	36	48	41	35	47	40	35	46	39	35	33																			
8	60	46	38	32	58	46	37	32	44	37	32	43	36	31	42	36	31	29																			
9	56	43	34	29	55	42	34	29	41	34	28	40	33	28	39	33	28	26																			
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1350	1350	1350
5°	1349	1345	1354
10°	1343	1343	1353
15°	1330	1336	1351
20°	1313	1326	1347
25°	1288	1313	1338
30°	1260	1298	1327
35°	1232	1277	1317
40°	1190	1255	1301
45°	1151	1230	1287
50°	1107	1207	1272
55°	1057	1185	1260
60°	1008	1167	1257
65°	944	1146	1265
70°	874	1153	1299
75°	783	1174	1372
80°	632	1244	1342
85°	476	1091	1064



TEST NUMBER: P842993

CATALOG NUMBER: 24CZ2-30-UNV-B40

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.5	3.3
10°-20°	258.7	9.5
20°-30°	388.8	14.3
30°-40°	463.2	17.0
40°-50°	474.0	17.4
50°-60°	426.8	15.7
60°-70°	335.2	12.3
70°-80°	217.5	8.0
80°-90°	67.3	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°	738.0	27.1
0°-40°	1201.2	44.1
0°-60°	2102.0	77.2
0°-90°	2722.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2722.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	956	956	956	956	956	
5°	952	954	949	954	955	90
15°	910	913	915	922	924	257
25°	827	834	843	857	859	381
35°	715	724	741	759	764	446
45°	577	591	616	640	645	445
55°	430	449	482	507	512	385
65°	283	304	343	372	379	281
75°	144	171	215	245	252	152
85°	29	54	67	66	66	36
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	956.3	956.3	956.3	956.3	956.3
2.5°	957.1	957.1	952.8	957.1	958.0
5°	951.9	953.7	949.3	954.5	955.4
7.5°	946.7	946.7	944.1	949.3	950.3
10°	937.2	938.1	937.2	943.3	944.1
12.5°	925.2	926.8	927.8	933.8	934.6
15°	910.5	913.1	914.7	922.5	924.3
17.5°	894.0	896.6	900.9	909.5	911.3
20°	874.1	877.5	882.8	894.0	896.6
22.5°	852.5	856.0	864.6	874.9	879.3
25°	827.4	834.3	843.0	856.8	859.4
27.5°	802.3	808.4	819.6	834.3	837.9
30°	773.0	782.4	796.3	811.0	814.4
32.5°	744.4	753.9	770.4	786.0	790.3
35°	715.0	723.7	741.0	759.1	764.3
37.5°	681.3	692.5	711.6	729.7	734.9
40°	645.9	659.7	681.3	700.3	706.4
42.5°	612.1	626.8	648.5	669.2	676.1
45°	576.7	590.6	616.5	639.8	645.0
47.5°	540.3	556.0	583.6	606.9	615.6
50°	504.1	520.5	549.9	574.1	579.3
52.5°	467.7	485.0	516.2	542.1	544.7
55°	429.7	448.8	481.6	506.7	511.9
57.5°	395.1	411.6	447.0	472.9	479.0
60°	357.1	375.2	413.3	437.5	445.2
62.5°	320.7	339.8	379.6	403.8	410.6
65°	282.7	304.4	343.2	371.8	378.7
67.5°	249.9	270.6	312.1	339.8	346.7
70°	211.8	235.2	279.3	307.8	314.7
72.5°	179.0	203.1	247.3	274.9	285.3
75°	143.5	171.2	215.3	244.7	251.6
77.5°	109.0	140.9	185.8	208.3	208.3
80°	77.8	111.6	153.0	163.4	165.1
82.5°	51.0	83.9	113.2	112.4	112.4
85°	29.4	54.5	67.4	65.7	65.7
87.5°	11.3	22.5	24.2	24.2	23.3
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)