

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: P843009

Luminaire Tested: **24CZ2-30HE-UNV-B50**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P843009
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: 24CZ2-30HE-UNV-B50
Description: 2X4 3000 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 5000K CCT AND RIBBED LENS

Light Source: -
Ballast/Driver: -

Summary

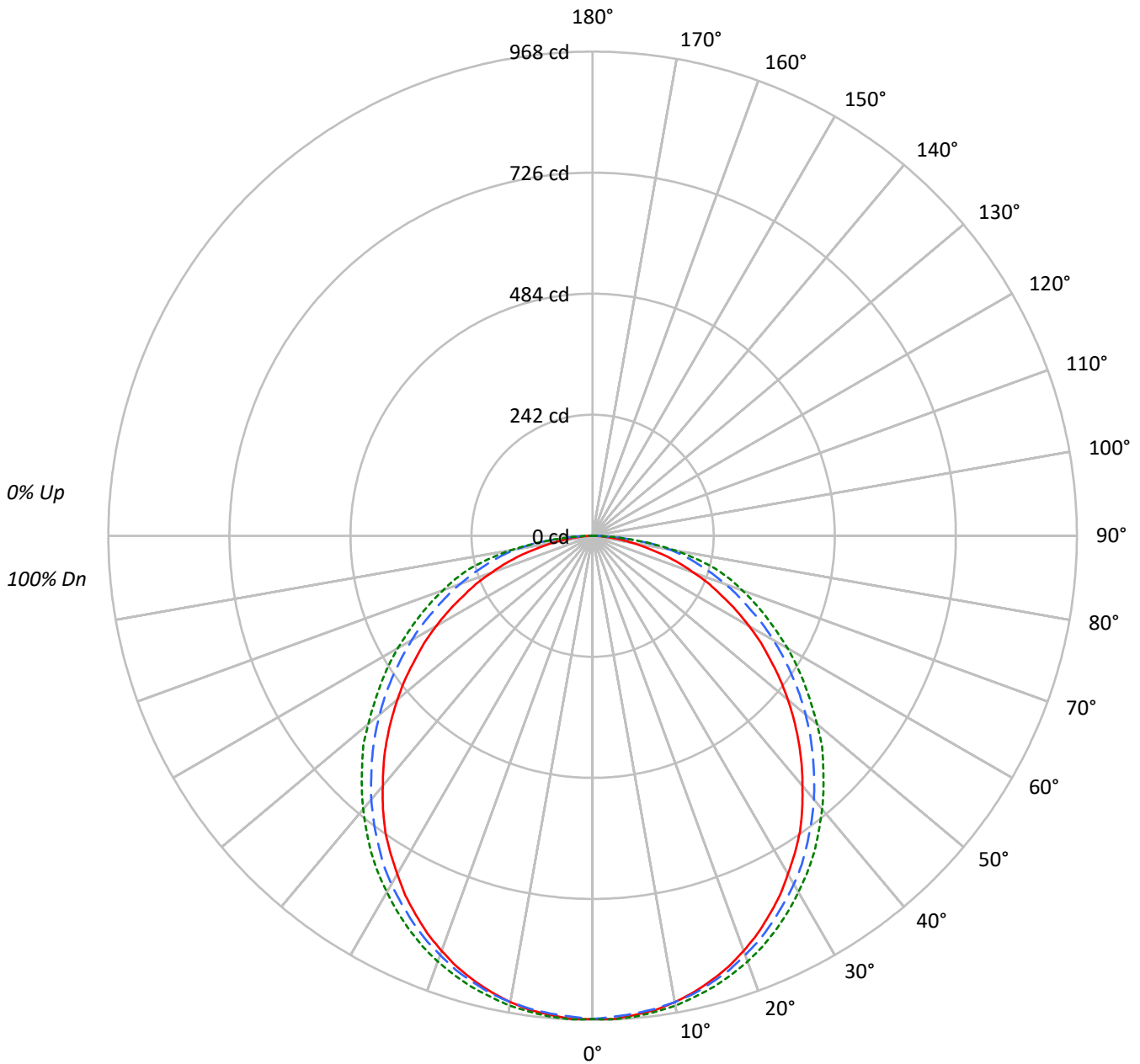
Lumens per Lamp: N/A
Luminaire Lumens: 2750.0 lumens
Efficiency: N/A
Efficacy: 125.0 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	1363	1363	1363
5°	1362	1359	1367
10°	1357	1357	1367
15°	1344	1350	1364
20°	1326	1339	1360
25°	1302	1326	1352
30°	1273	1311	1341
35°	1245	1290	1330
40°	1202	1268	1315
45°	1163	1243	1301
50°	1118	1220	1285
55°	1068	1197	1273
60°	1018	1178	1270
65°	954	1158	1278
70°	883	1164	1312
75°	791	1186	1386
80°	639	1257	1356
85°	481	1103	1075



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.5	3.3
10°-20°	261.3	9.5
20°-30°	392.8	14.3
30°-40°	467.9	17.0
40°-50°	478.9	17.4
50°-60°	431.2	15.7
60°-70°	338.6	12.3
70°-80°	219.7	8.0
80°-90°	68.0	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°	745.6	27.1
0°-40°	1213.6	44.1
0°-60°	2123.7	77.2
0°-90°	2750.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2750.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	966	966	966	966	966	
5°	962	964	959	964	965	91
15°	920	922	924	932	934	259
25°	836	843	852	866	868	385
35°	722	731	749	767	772	451
45°	583	597	623	646	652	449
55°	434	453	486	512	517	389
65°	286	308	347	376	383	284
75°	145	173	218	247	254	153
85°	30	55	68	66	66	36
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	966.1	966.1	966.1	966.1	966.1
2.5°	967.0	967.0	962.6	967.0	967.8
5°	961.7	963.5	959.1	964.3	965.2
7.5°	956.5	956.5	953.8	959.1	960.0
10°	946.9	947.7	946.9	953.0	953.8
12.5°	934.7	936.4	937.3	943.4	944.2
15°	919.8	922.5	924.1	932.0	933.8
17.5°	903.2	905.8	910.1	918.9	920.7
20°	883.1	886.6	891.8	903.2	905.8
22.5°	861.3	864.8	873.5	883.9	888.4
25°	836.0	842.9	851.6	865.6	868.3
27.5°	810.6	816.7	828.1	842.9	846.5
30°	780.9	790.5	804.5	819.3	822.8
32.5°	752.1	761.6	778.3	794.1	798.4
35°	722.4	731.1	748.6	766.9	772.2
37.5°	688.3	699.7	718.9	737.2	742.5
40°	652.5	666.5	688.3	707.6	713.7
42.5°	618.4	633.3	655.1	676.1	683.0
45°	582.6	596.6	622.8	646.4	651.7
47.5°	545.9	561.7	589.6	613.2	621.9
50°	509.3	525.9	555.6	580.0	585.3
52.5°	472.5	490.0	521.5	547.7	550.3
55°	434.1	453.4	486.5	511.9	517.2
57.5°	399.2	415.8	451.6	477.8	483.9
60°	360.8	379.1	417.5	442.0	449.8
62.5°	324.0	343.3	383.5	407.9	414.9
65°	285.6	307.5	346.8	375.6	382.6
67.5°	252.5	273.4	315.3	343.3	350.3
70°	214.0	237.6	282.2	311.0	317.9
72.5°	180.8	205.2	249.8	277.7	288.3
75°	145.0	172.9	217.5	247.2	254.2
77.5°	110.1	142.4	187.8	210.5	210.5
80°	78.6	112.7	154.6	165.1	166.8
82.5°	51.6	84.7	114.4	113.6	113.6
85°	29.7	55.0	68.1	66.4	66.4
87.5°	11.4	22.7	24.4	24.4	23.6
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)