

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: P731912

Luminaire Tested: **14CZ2-44-B2750-W2D-3000K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P731912
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P275502)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 1/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 14CZ2-44-B2750-W2D-3000K
Description: 1X4 4400 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3000K CCT AND RIBBED LENS

Light Source: -
Ballast/Driver: -

Summary

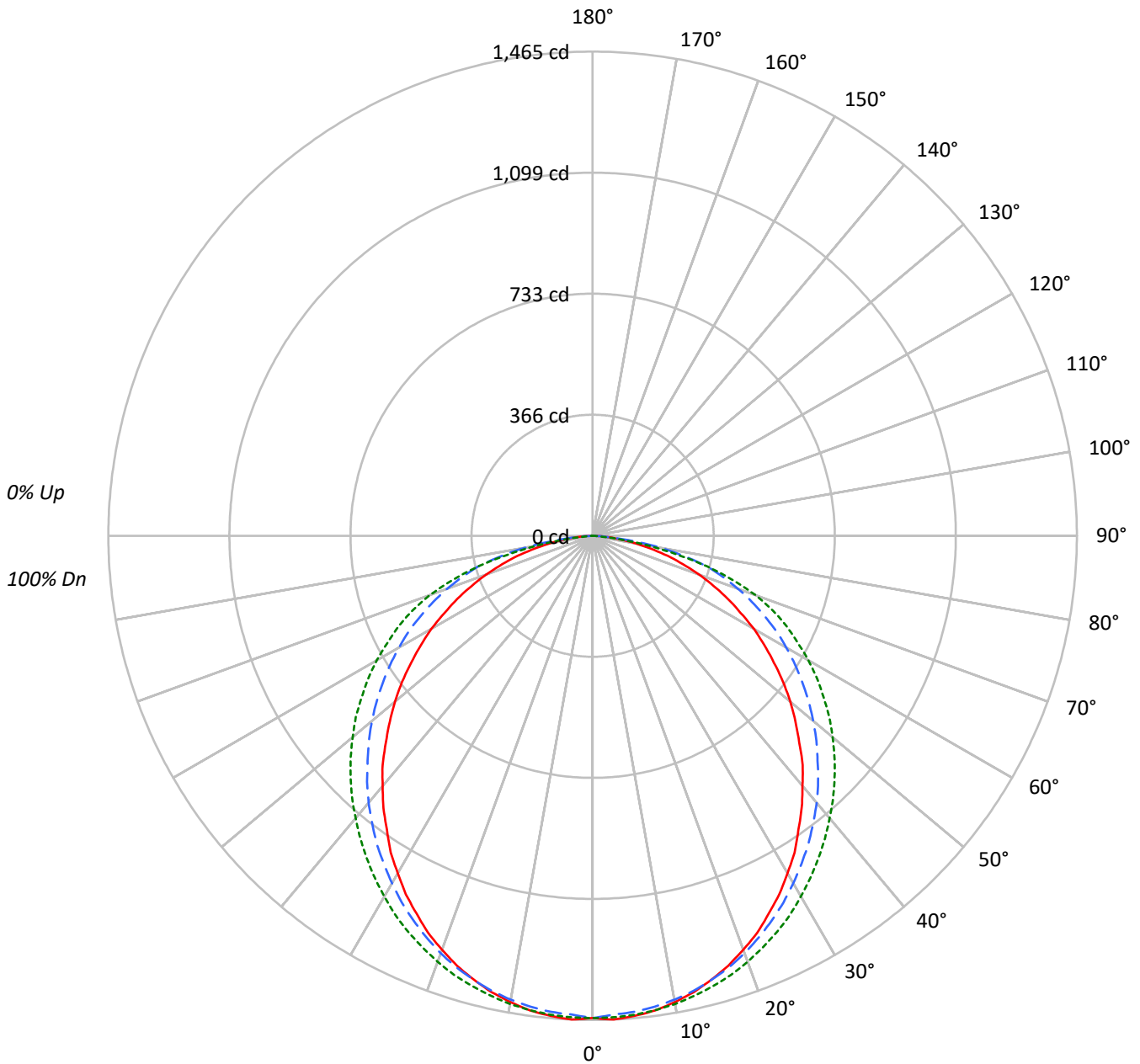
Lumens per Lamp: N/A
Luminaire Lumens: 4236.0 lumens
Efficiency: N/A
Efficacy: 117.7 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.37
Luminous Opening: Rectangular (W 0.96' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 36
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

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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	109	104	99	95	106	101	97	94	97	94	91	93	90	88	90	87	85	83																			
2	98	90	83	77	96	88	82	76	84	79	74	81	77	73	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	79	68	60	53	66	58	53	63	57	52	61	56	51	49																			
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42																			
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39	37																			
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	34	32																			
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29																			
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26																			
10	52	39	31	26	51	39	31	26	37	30	26	37	30	25	36	30	25	24																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4119	4119	4119
5°	4132	4097	4122
10°	4107	4085	4123
15°	4063	4065	4121
20°	4003	4037	4119
25°	3927	3998	4116
30°	3842	3957	4107
35°	3740	3922	4104
40°	3640	3884	4111
45°	3529	3842	4132
50°	3426	3824	4160
55°	3295	3812	4197
60°	3178	3819	4256
65°	3015	3830	4321
70°	2831	3858	4318
75°	2564	3893	3905
80°	2105	3360	2776
85°	1558	1590	641



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.1	3.3
10°-20°	394.5	9.3
20°-30°	594.2	14.0
30°-40°	713.1	16.8
40°-50°	743.2	17.5
50°-60°	688.1	16.2
60°-70°	555.9	13.1
70°-80°	339.0	8.0
80°-90°	70.0	1.7
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°	1126.8	26.6
0°-40°	1839.9	43.4
0°-60°	3271.2	77.2
0°-90°	4236.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4236.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1459	1459	1459	1459	1459	
5°	1458	1455	1446	1456	1455	138
15°	1390	1391	1391	1410	1410	392
25°	1261	1268	1284	1316	1322	581
35°	1085	1102	1138	1180	1191	680
45°	884	911	962	1016	1035	683
55°	670	705	775	835	853	600
65°	451	496	573	631	647	446
75°	235	287	357	363	358	247
85°	48	72	49	27	20	59
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1459.3	1459.3	1459.3	1459.3	1459.3
2.5°	1465.1	1460.4	1450.0	1460.4	1458.3
5°	1458.3	1454.7	1446.1	1456.5	1454.7
7.5°	1448.9	1445.0	1437.5	1450.0	1447.9
10°	1432.8	1431.0	1425.3	1439.6	1438.5
12.5°	1414.1	1413.1	1410.2	1426.3	1425.3
15°	1390.4	1391.2	1391.2	1410.2	1410.2
17.5°	1363.9	1365.7	1369.6	1390.4	1393.3
20°	1332.7	1336.6	1344.1	1367.8	1371.4
22.5°	1300.7	1303.6	1314.8	1343.1	1347.0
25°	1260.9	1268.5	1283.6	1315.8	1321.5
27.5°	1223.2	1229.7	1250.5	1283.6	1293.2
30°	1178.8	1189.2	1213.9	1249.7	1260.1
32.5°	1136.4	1147.6	1175.9	1217.5	1226.9
35°	1085.4	1102.3	1138.2	1179.8	1191.0
37.5°	1039.1	1055.0	1095.8	1141.1	1154.3
40°	987.9	1007.9	1054.2	1102.3	1115.6
42.5°	940.8	959.5	1009.7	1058.9	1076.8
45°	884.1	910.7	962.4	1016.2	1035.2
47.5°	832.1	858.6	918.2	975.7	992.8
50°	780.1	808.5	870.9	930.4	947.3
52.5°	726.3	756.7	823.5	883.1	903.1
55°	669.6	704.7	774.7	835.0	852.9
57.5°	615.8	651.7	726.3	787.7	805.6
60°	563.0	599.9	676.4	734.9	753.9
62.5°	504.5	547.9	627.2	684.7	699.0
65°	451.4	495.9	573.4	630.9	647.0
67.5°	395.8	443.9	521.4	574.2	589.5
70°	343.0	392.9	467.5	516.7	523.2
72.5°	286.3	337.3	412.7	443.9	443.9
75°	235.1	287.1	357.0	362.8	358.1
77.5°	179.4	237.2	282.4	271.0	259.8
80°	129.5	186.2	206.7	186.2	170.8
82.5°	86.9	135.0	124.6	99.1	87.9
85°	48.1	71.8	49.1	27.3	19.8
87.5°	17.9	16.1	4.7	4.7	4.7
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)