

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: P732062

Luminaire Tested: **22CZ2-44HE-B2750-W2D-3000K**

Issue Date: 1/5/2024

Test Information

Test Method: LM-79-08
Report Number: P732062
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P271965)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 1/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22CZ2-44HE-B2750-W2D-3000K
Description: 2X2 4400 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3000K CCT AND RIBBED LENS

Light Source: -
Ballast/Driver: -

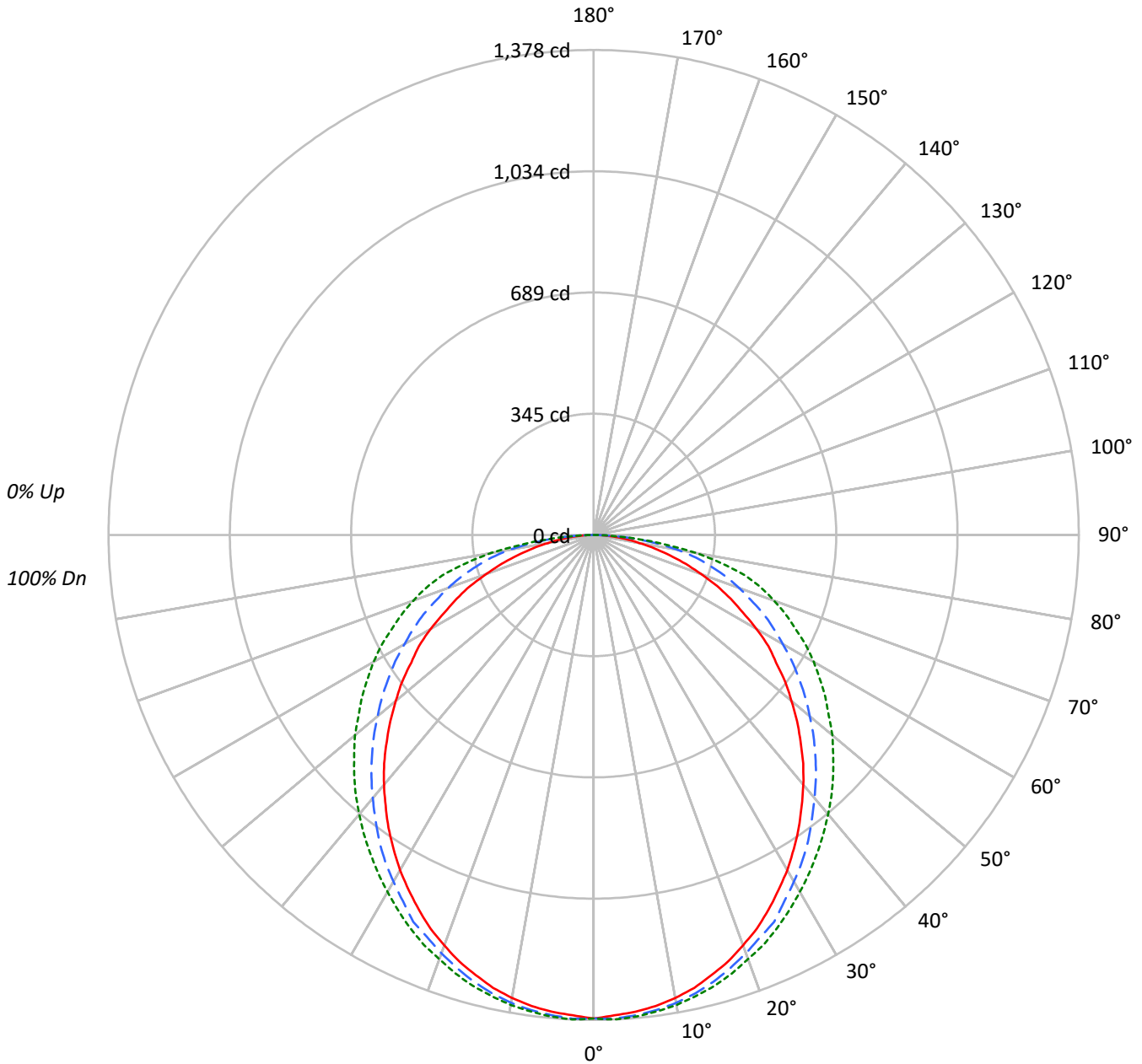
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4041.0 lumens
Efficiency: N/A
Efficacy: 112.3 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.36
Luminous Opening: Rectangular (W 1.92' x L: 1.98' 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	108	103	98	94	105	101	96	93	96	93	90	92	90	87	89	86	84	82																			
2	98	89	82	76	95	87	81	75	84	78	73	80	76	71	77	73	70	68																			
3	89	78	69	63	86	76	68	62	73	66	61	70	65	60	68	63	59	56																			
4	81	69	60	53	79	67	59	52	65	57	52	63	56	51	60	55	50	48																			
5	75	61	52	45	72	60	52	45	58	50	44	56	49	44	54	48	43	41																			
6	69	55	46	39	67	54	46	39	52	45	39	51	44	39	49	43	38	36																			
7	64	50	41	35	62	49	41	35	48	40	34	46	39	34	45	39	34	32																			
8	59	46	37	31	58	45	37	31	44	36	31	42	35	30	41	35	30	28																			
9	56	42	34	28	54	41	33	28	40	33	28	39	32	27	38	32	27	25																			
10	52	39	31	25	51	38	30	25	37	30	25	36	30	25	35	29	25	23																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3899	3899	3899
5°	3874	3902	3914
10°	3850	3890	3907
15°	3802	3861	3896
20°	3747	3819	3872
25°	3679	3798	3860
30°	3603	3727	3838
35°	3519	3678	3830
40°	3432	3616	3837
45°	3336	3575	3862
50°	3239	3537	3906
55°	3129	3522	3974
60°	3035	3521	4096
65°	2883	3578	4246
70°	2690	3646	4521
75°	2465	3773	4884
80°	2146	3932	4809
85°	1879	3493	3822



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.9	3.2
10°-20°	370.1	9.2
20°-30°	555.6	13.7
30°-40°	663.9	16.4
40°-50°	690.4	17.1
50°-60°	639.9	15.8
60°-70°	524.8	13.0
70°-80°	354.8	8.8
80°-90°	111.5	2.8
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°	1055.7	26.1
0°-40°	1719.6	42.6
0°-60°	3049.8	75.5
0°-90°	4041.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4041.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1374	1374	1374	1374	1374	
5°	1360	1362	1370	1372	1374	129
15°	1294	1300	1314	1322	1326	365
25°	1175	1185	1213	1227	1233	541
35°	1016	1030	1062	1094	1106	635
45°	831	847	891	942	962	642
55°	632	652	712	775	803	568
65°	429	453	533	602	632	425
75°	225	262	344	414	446	238
85°	58	80	107	119	117	65
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1374.0	1374.0	1374.0	<i>1374.0</i>	1374.0
2.5°	<i>1366.1</i>	<i>1369.9</i>	<i>1375.9</i>	<i>1378.1</i>	<i>1378.1</i>
5°	1360.1	1362.0	1369.9	<i>1372.1</i>	1374.0
7.5°	1350.0	1354.1	1362.0	<i>1364.2</i>	1366.1
10°	1336.1	1340.2	1350.0	<i>1354.1</i>	1356.0
12.5°	1318.4	1322.2	1334.2	<i>1340.2</i>	1342.1
15°	1294.4	1300.4	1314.3	<i>1322.2</i>	1326.3
17.5°	1270.7	1276.5	1290.6	<i>1302.3</i>	1306.4
20°	1240.8	1254.6	1264.7	<i>1280.5</i>	1282.4
22.5°	1211.0	1218.9	1236.7	<i>1252.7</i>	1260.6
25°	1175.1	1185.2	1213.0	<i>1226.9</i>	1232.8
27.5°	1137.5	1151.4	1173.2	<i>1195.0</i>	1202.9
30°	1099.6	1109.4	1137.5	<i>1163.1</i>	1171.3
32.5°	1057.9	1071.8	1101.5	<i>1127.4</i>	1139.4
35°	1016.0	1029.9	1061.8	<i>1093.6</i>	1105.6
37.5°	970.5	986.3	1018.1	<i>1055.8</i>	1071.8
40°	926.6	938.6	976.2	<i>1022.0</i>	1035.9
42.5°	880.8	894.7	934.5	<i>984.4</i>	1000.2
45°	831.2	847.1	890.9	<i>942.4</i>	962.3
47.5°	783.3	799.4	847.1	<i>898.8</i>	922.5
50°	733.7	753.6	801.3	<i>861.0</i>	884.9
52.5°	686.0	704.0	757.7	<i>819.3</i>	841.1
55°	632.4	652.2	711.9	<i>775.4</i>	803.2
57.5°	588.5	602.4	668.1	<i>733.7</i>	761.5
60°	534.8	552.8	620.4	<i>689.9</i>	721.7
62.5°	477.3	507.0	576.5	<i>648.2</i>	680.0
65°	429.4	453.4	532.9	<i>602.4</i>	632.4
67.5°	379.8	405.7	483.1	<i>556.9</i>	590.7
70°	324.2	358.0	439.5	<i>513.0</i>	544.9
72.5°	274.4	310.3	393.7	<i>465.3</i>	499.1
75°	224.8	262.4	344.1	<i>413.6</i>	445.5
77.5°	177.1	218.8	298.3	<i>352.0</i>	371.9
80°	131.3	171.1	240.6	<i>278.4</i>	294.3
82.5°	91.5	125.3	177.1	<i>197.0</i>	200.8
85°	57.7	79.6	107.3	<i>119.3</i>	117.4
87.5°	25.9	31.9	39.8	<i>43.9</i>	41.7
90°	0.0	0.0	0.0	<i>0.0</i>	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180° - - 45°-225° - - - - 90°-270°







(END OF REPORT)