

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: P880752

Luminaire Tested: **22CZ2-44VHE-HRP-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: P880752
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P475114)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 10/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22CZ2-44VHE-HRP-B2750-W2D-2700K
Description: 2X2 4400 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 2700K CCT AND HRP LENS

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

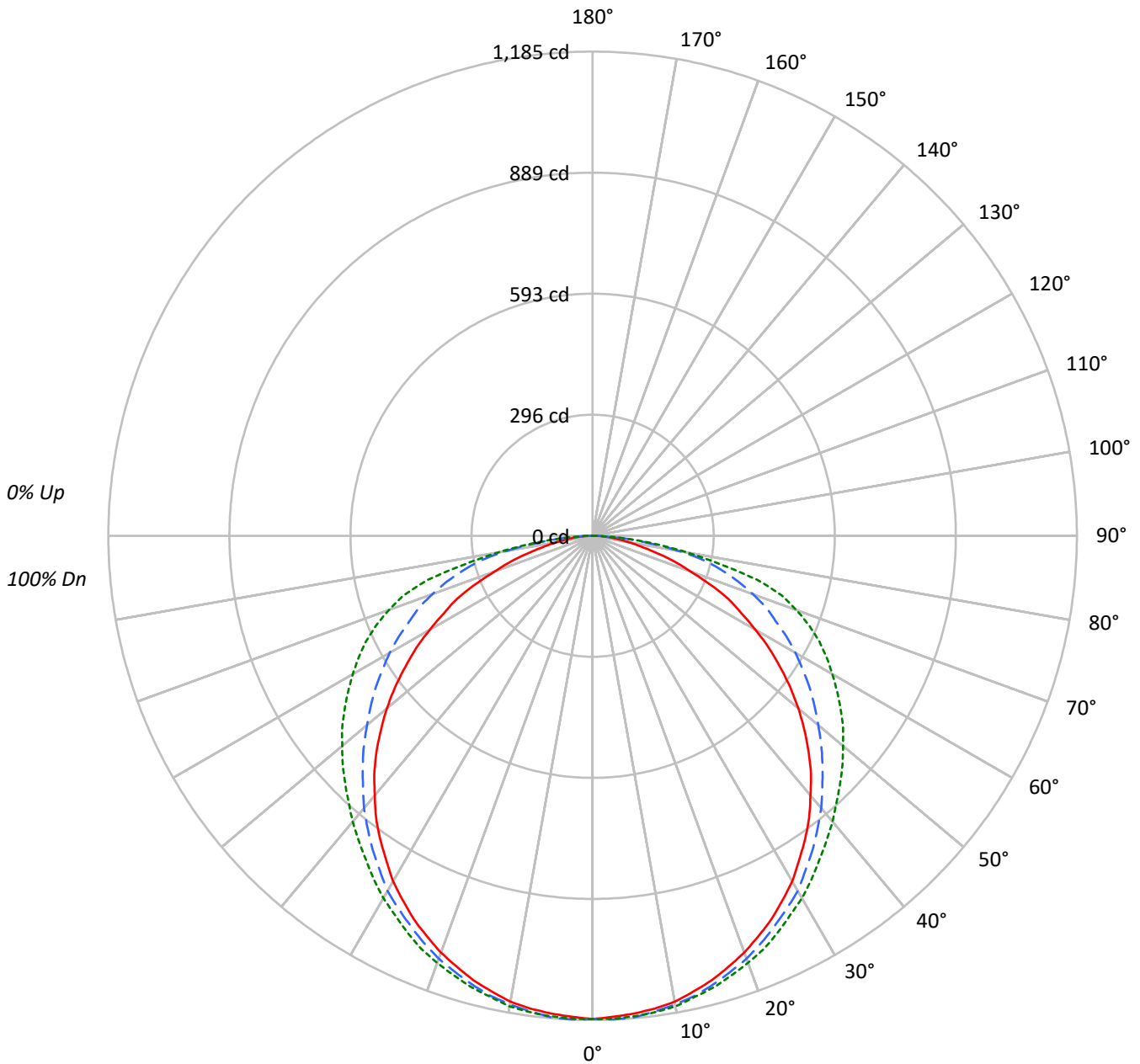
Lumens per Lamp: N/A
Luminaire Lumens: 3592.0 lumens
Efficiency: N/A
Efficacy: 97.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.29 / 1.38
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')
CIE Type: Direct

Input Watts (W): 37
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	98	94	105	101	96	93	96	93	90	92	90	87	89	87	84	82																			
2	98	89	82	76	95	87	80	75	84	78	73	80	75	71	77	73	70	68																			
3	89	78	69	62	86	76	68	62	73	66	61	70	64	60	68	63	59	56																			
4	81	69	59	52	79	67	59	52	65	57	51	62	56	51	60	55	50	48																			
5	74	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41																			
6	69	55	46	39	67	54	45	39	52	44	39	50	43	38	49	43	38	36																			
7	64	50	41	34	62	49	40	34	47	40	34	46	39	34	44	38	33	31																			
8	59	45	37	31	58	45	36	31	43	36	30	42	35	30	41	35	30	28																			
9	55	42	33	28	54	41	33	27	40	32	27	39	32	27	38	31	27	25																			
10	52	38	30	25	50	38	30	25	37	30	25	36	29	25	35	29	24	23																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3356	3356	3356
5°	3343	3369	3363
10°	3336	3356	3369
15°	3308	3342	3362
20°	3278	3326	3359
25°	3242	3299	3356
30°	3200	3289	3356
35°	3140	3250	3351
40°	3071	3223	3383
45°	3000	3192	3437
50°	2901	3181	3531
55°	2768	3206	3665
60°	2611	3253	3845
65°	2465	3316	4108
70°	2106	3460	4399
75°	1764	3604	4572
80°	1446	3481	3814
85°	1253	2579	2800



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.1	3.1
10°-20°	320.7	8.9
20°-30°	486.0	13.5
30°-40°	586.8	16.3
40°-50°	616.6	17.2
50°-60°	580.2	16.2
60°-70°	483.7	13.5
70°-80°	320.5	8.9
80°-90°	85.4	2.4
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°	918.8	25.6
0°-40°	1505.6	41.9
0°-60°	2702.3	75.2
0°-90°	3592.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3592.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1183	1183	1183	1183	1183	
5°	1174	1176	1183	1183	1180	112
15°	1126	1131	1138	1142	1144	318
25°	1036	1042	1054	1067	1072	477
35°	906	915	938	959	968	567
45°	748	759	796	836	857	576
55°	560	585	648	714	741	501
65°	367	399	494	575	612	357
75°	161	224	329	397	417	175
85°	38	59	79	86	86	45
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1182.8	1182.8	1182.8	1182.8	1182.8
2.5°	1178.2	1180.5	1185.0	1185.0	1182.8
5°	1173.7	1176.0	1182.8	1182.8	1180.5
7.5°	1166.9	1169.4	1173.7	1178.2	1176.0
10°	1157.9	1160.1	1164.7	1169.4	1169.4
12.5°	1142.0	1144.3	1153.3	1155.8	1155.8
15°	1126.2	1130.7	1137.5	1142.0	1144.3
17.5°	1105.8	1110.3	1119.4	1128.4	1128.4
20°	1085.4	1090.0	1101.3	1110.3	1112.4
22.5°	1060.5	1067.3	1078.6	1090.0	1094.5
25°	1035.6	1042.4	1053.7	1067.3	1071.9
27.5°	1006.0	1012.8	1028.8	1044.7	1046.7
30°	976.6	983.3	1003.7	1017.3	1024.3
32.5°	940.3	949.4	969.8	990.1	996.9
35°	906.4	915.4	938.1	958.7	967.5
37.5°	870.2	879.0	904.1	929.2	940.3
40°	829.2	840.7	870.2	897.3	913.2
42.5°	790.9	802.2	831.7	867.9	883.7
45°	747.7	759.0	795.5	836.0	856.6
47.5°	702.4	716.0	759.0	809.0	829.2
50°	657.1	673.0	720.5	777.1	799.8
52.5°	609.4	630.0	684.3	745.7	772.6
55°	559.6	584.7	648.1	713.7	740.9
57.5°	512.0	534.9	609.4	679.8	709.2
60°	460.0	489.4	573.2	645.6	677.5
62.5°	410.2	441.9	534.9	611.9	645.6
65°	367.2	398.6	493.9	575.4	611.9
67.5°	310.4	353.6	460.0	536.9	573.2
70°	253.8	312.6	417.0	496.2	530.2
72.5°	210.7	267.3	374.0	453.2	484.9
75°	160.9	224.3	328.7	396.6	417.0
77.5°	120.2	185.8	280.9	315.1	317.1
80°	88.5	142.6	213.0	224.3	233.4
82.5°	61.3	99.6	138.3	151.7	156.4
85°	38.5	58.9	79.2	86.0	86.0
87.5°	20.4	22.6	27.2	27.2	27.2
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)