

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: P732036

Luminaire Tested: **22CZ2-39HE-B2750-W2D-2700K**

Issue Date: 1/5/2024

Test Information

Test Method: LM-79-08
Report Number: P732036
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: 22CZ2-39HE-B2750-W2D-2700K
Description: 2X2 3900 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 2700K CCT AND RIBBED LENS

Light Source: -
Ballast/Driver: -

Summary

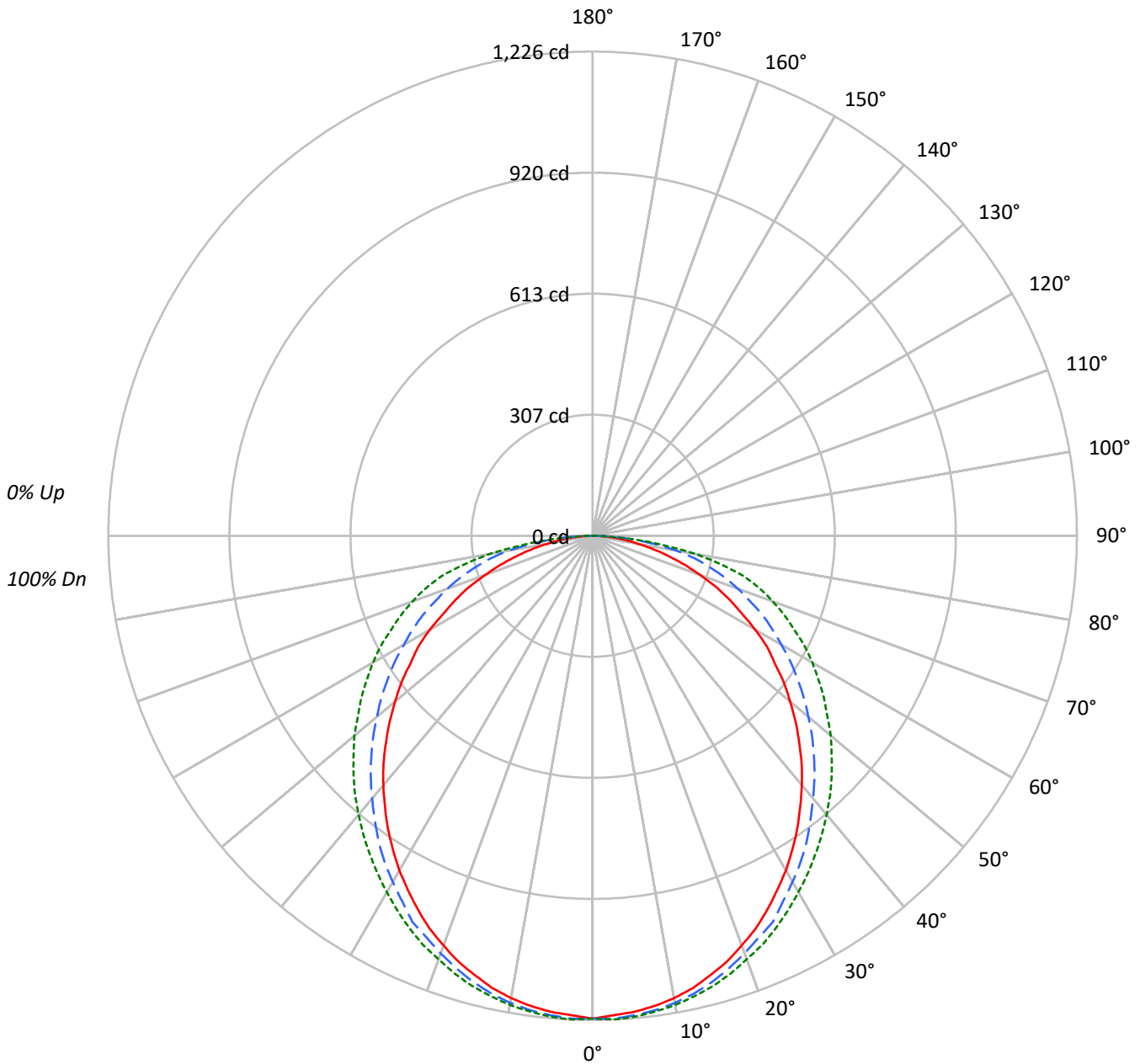
Lumens per Lamp: N/A
Luminaire Lumens: 3595.0 lumens
Efficiency: N/A
Efficacy: 112.3 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.36
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')
CIE Type: Direct

Input Watts (W): 32
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°	3468	3468	3468
5°	3447	3471	3482
10°	3425	3460	3476
15°	3383	3435	3466
20°	3333	3397	3445
25°	3273	3379	3434
30°	3205	3315	3414
35°	3131	3272	3407
40°	3053	3217	3413
45°	2968	3181	3435
50°	2881	3147	3475
55°	2783	3133	3535
60°	2700	3132	3644
65°	2565	3183	3777
70°	2393	3244	4022
75°	2193	3356	4345
80°	1909	3497	4278
85°	1673	3109	3402



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.6	3.2
10°-20°	329.3	9.2
20°-30°	494.3	13.7
30°-40°	590.6	16.4
40°-50°	614.2	17.1
50°-60°	569.2	15.8
60°-70°	466.9	13.0
70°-80°	315.7	8.8
80°-90°	99.2	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°	939.2	26.1
0°-40°	1529.8	42.6
0°-60°	2713.2	75.5
0°-90°	3595.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3595.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1222	1222	1222	1222	1222	
5°	1210	1212	1219	1221	1222	115
15°	1152	1157	1169	1176	1180	325
25°	1045	1054	1079	1091	1097	481
35°	904	916	945	973	984	565
45°	740	754	793	838	856	571
55°	563	580	633	690	715	506
65°	382	403	474	536	563	378
75°	200	233	306	368	396	212
85°	51	71	96	106	104	58
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1222.3	1222.3	1222.3	1222.3	1222.3
2.5°	1215.3	1218.7	1224.0	1226.0	1226.0
5°	1210.0	1211.7	1218.7	1220.6	1222.3
7.5°	1201.0	1204.6	1211.7	1213.6	1215.3
10°	1188.7	1192.3	1201.0	1204.6	1206.3
12.5°	1172.9	1176.3	1186.9	1192.3	1194.0
15°	1151.6	1156.9	1169.3	1176.3	1179.9
17.5°	1130.5	1135.6	1148.2	1158.6	1162.2
20°	1103.8	1116.2	1125.1	1139.2	1140.9
22.5°	1077.4	1084.4	1100.2	1114.5	1121.5
25°	1045.4	1054.4	1079.1	1091.4	1096.8
27.5°	1011.9	1024.3	1043.7	1063.1	1070.1
30°	978.3	987.0	1011.9	1034.7	1042.0
32.5°	941.2	953.5	980.0	1003.0	1013.6
35°	903.9	916.2	944.6	972.9	983.6
37.5°	863.4	877.4	905.8	939.2	953.5
40°	824.3	835.0	868.5	909.2	921.5
42.5°	783.6	796.0	831.4	875.7	889.8
45°	739.5	753.6	792.6	838.4	856.1
47.5°	696.9	711.1	753.6	799.6	820.7
50°	652.7	670.4	712.9	765.9	787.2
52.5°	610.3	626.3	674.1	728.8	748.2
55°	562.6	580.3	633.3	689.8	714.6
57.5°	523.6	535.9	594.3	652.7	677.5
60°	475.8	491.8	551.9	613.7	642.1
62.5°	424.6	451.1	512.9	576.6	605.0
65°	382.0	403.3	474.1	535.9	562.6
67.5°	337.9	360.9	429.8	495.4	525.5
70°	288.4	318.5	391.0	456.4	484.8
72.5°	244.1	276.1	350.2	414.0	444.0
75°	200.0	233.4	306.1	367.9	396.3
77.5°	157.5	194.6	265.4	313.2	330.8
80°	116.8	152.2	214.0	247.7	261.8
82.5°	81.4	111.5	157.5	175.2	178.6
85°	51.4	70.8	95.5	106.2	104.5
87.5°	23.0	28.4	35.4	39.0	37.1
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)