

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: P732051

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

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P732051
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P272009)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 1/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22CZ2-39HE-S-B2750-W2D-2700K
Description: 2X2 3900 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 2700K CCT AND SMOOTH LENS

Light Source: -
Ballast/Driver: -

Summary

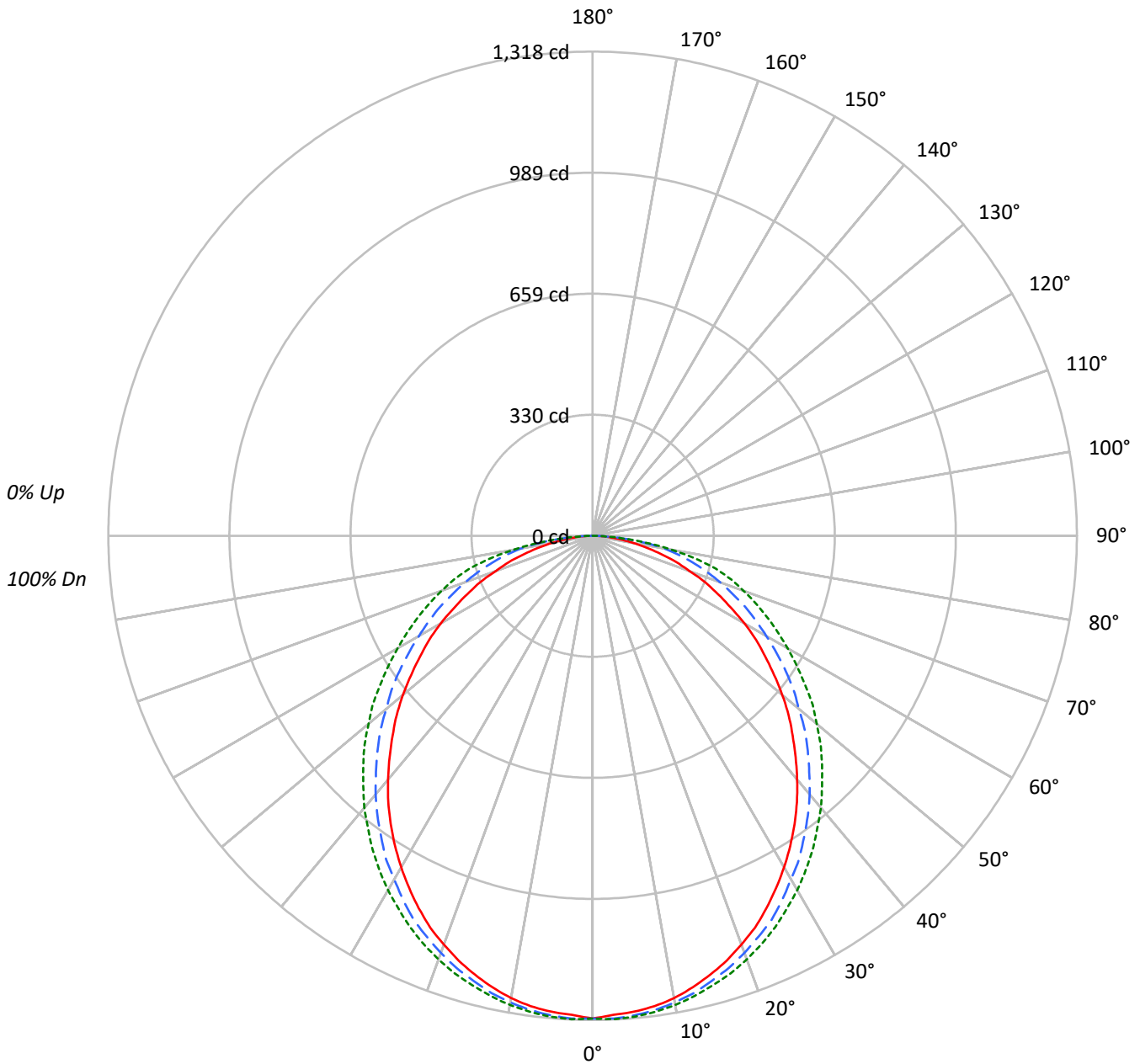
Lumens per Lamp: N/A
Luminaire Lumens: 3667.0 lumens
Efficiency: N/A
Efficacy: 114.6 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.26 / 1.34
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')
CIE Type: Direct

Input Watts (W): 32
Input Voltage (V): NR
Input Current (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					20					
RC	80					70					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	94	97	94	91	93	90	88	89	87	85	83								
2	98	90	83	77	96	88	82	76	84	79	74	81	77	73	78	74	71	69								
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58								
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	61	56	52	49								
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43								
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37								
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33								
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	31	30								
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	28	27								
10	53	40	32	26	51	39	31	26	38	31	26	37	31	26	36	30	26	24								

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3729	3729	3729
5°	3704	3733	3743
10°	3683	3717	3737
15°	3634	3684	3720
20°	3575	3647	3704
25°	3503	3611	3680
30°	3414	3537	3649
35°	3319	3473	3615
40°	3207	3403	3580
45°	3090	3323	3543
50°	2975	3233	3513
55°	2836	3174	3487
60°	2709	3097	3477
65°	2528	3079	3515
70°	2328	3051	3620
75°	2099	3095	3809
80°	1815	3188	3579
85°	1504	2673	2673



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.3	3.4
10°-20°	353.6	9.6
20°-30°	529.1	14.4
30°-40°	626.6	17.1
40°-50°	638.6	17.4
50°-60°	572.4	15.6
60°-70°	448.1	12.2
70°-80°	289.0	7.9
80°-90°	85.3	2.3
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°	1007.0	27.5
0°-40°	1633.6	44.5
0°-60°	2844.6	77.6
0°-90°	3667.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3667.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1314	1314	1314	1314	1314	
5°	1300	1304	1310	1312	1314	123
15°	1237	1244	1254	1264	1266	349
25°	1119	1129	1153	1169	1176	515
35°	958	970	1003	1033	1044	599
45°	770	787	828	871	883	595
55°	573	592	642	686	705	514
65°	376	399	459	503	524	374
75°	192	221	282	330	347	205
85°	46	63	82	82	82	54
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1314.0	1314.0	1314.0	1314.0	1314.0
2.5°	1305.4	1308.9	1315.7	1317.5	1317.5
5°	1300.4	1303.7	1310.5	1312.4	1314.0
7.5°	1291.7	1293.4	1302.1	1305.4	1307.2
10°	1278.1	1281.4	1290.1	1295.3	1296.9
12.5°	1259.2	1264.3	1274.6	1281.4	1283.3
15°	1237.1	1243.9	1254.0	1264.3	1266.2
17.5°	1213.0	1220.0	1233.6	1245.6	1249.1
20°	1183.9	1192.6	1207.8	1221.6	1226.8
22.5°	1154.8	1161.6	1180.6	1197.7	1202.9
25°	1119.0	1129.3	1153.2	1168.7	1175.5
27.5°	1081.2	1093.2	1117.3	1137.7	1144.5
30°	1042.1	1054.0	1079.6	1105.4	1113.8
32.5°	1000.8	1014.6	1045.4	1071.1	1079.6
35°	958.1	970.1	1002.7	1033.4	1043.7
37.5°	913.6	923.9	961.6	994.0	1004.3
40°	865.8	879.4	918.8	956.5	966.6
42.5°	817.7	833.2	872.6	913.6	923.9
45°	769.9	787.0	828.0	870.9	882.9
47.5°	723.7	737.3	783.7	824.7	841.9
50°	674.0	687.8	732.4	778.6	795.7
52.5°	622.7	641.6	689.5	734.0	754.4
55°	573.2	592.0	641.6	686.2	704.9
57.5°	527.0	542.3	593.6	639.8	658.8
60°	477.3	491.1	545.8	595.5	612.6
62.5°	424.3	444.7	501.2	547.4	568.0
65°	376.5	398.6	458.6	503.1	523.5
67.5°	332.0	352.4	410.7	458.6	480.8
70°	280.6	308.0	367.8	415.7	436.3
72.5°	239.6	263.5	325.2	373.0	395.3
75°	191.5	220.6	282.3	330.3	347.4
77.5°	152.4	181.4	239.6	277.1	285.8
80°	111.1	140.2	195.1	213.8	219.0
82.5°	75.3	102.7	140.2	145.4	147.2
85°	46.2	63.3	82.1	82.1	82.1
87.5°	22.3	25.6	29.1	27.4	27.4
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)