

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: P732112

Luminaire Tested: **24CZ2-30HE-B2750-W2D-3000K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P732112
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P272125)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 1/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 24CZ2-30HE-B2750-W2D-3000K
Description: 2X4 3000 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3000K CCT AND RIBBED LENS

Light Source: -
Ballast/Driver: -

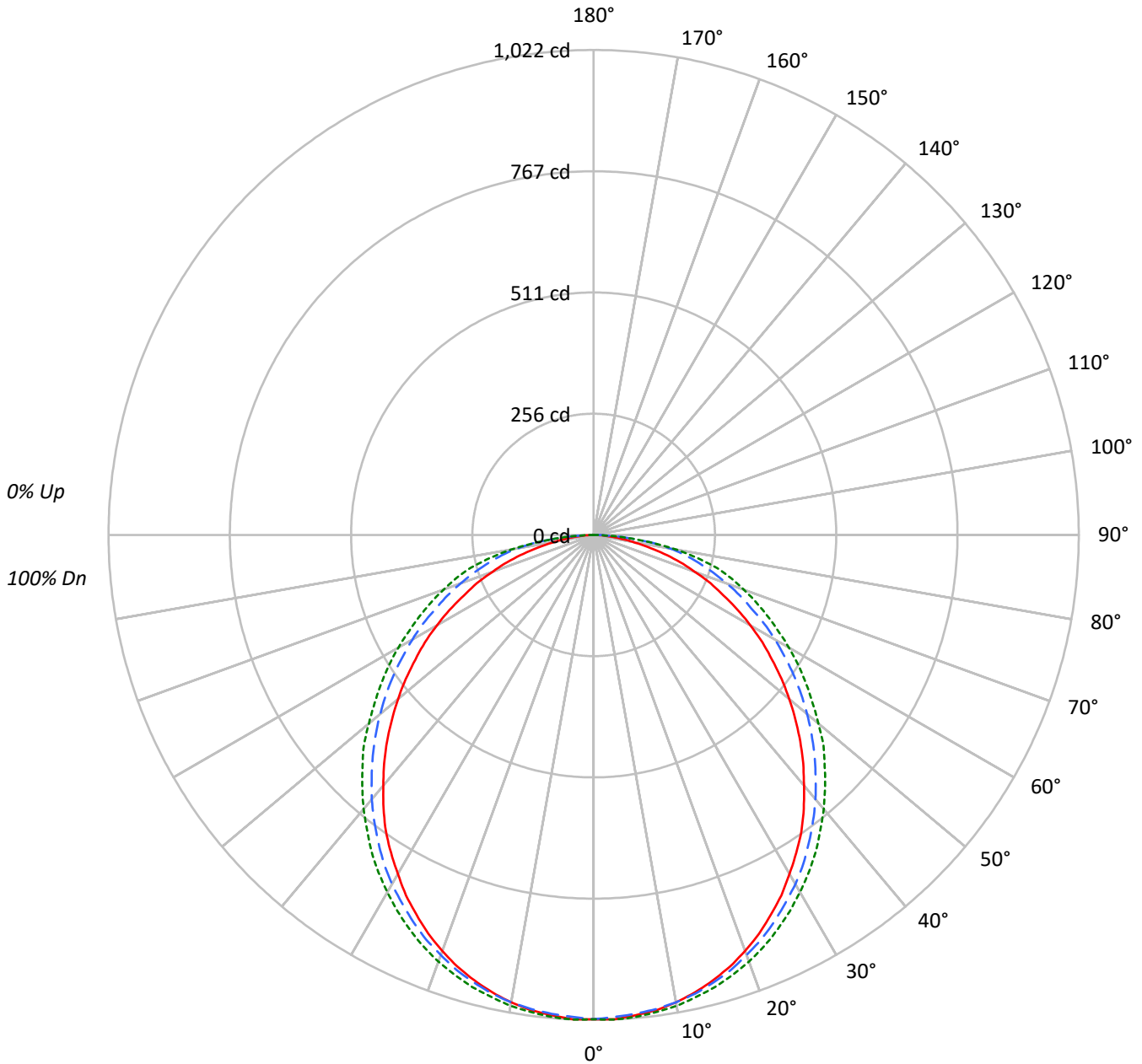
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2905.0 lumens
Efficiency: N/A
Efficacy: 132.0 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 22
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					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	93	97	93	90	93	90	88	89	87	85	83								
2	98	90	83	77	96	88	81	76	84	79	74	81	76	72	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	80	68	60	54	66	59	53	63	57	52	61	56	51	49								
5	75	62	53	46	73	61	53	46	59	51	46	57	50	45	55	49	45	42								
6	70	56	47	40	68	55	47	40	53	46	40	52	45	40	50	44	39	37								
7	64	51	42	36	63	50	42	36	48	41	35	47	40	35	46	39	35	33								
8	60	46	38	32	58	46	37	32	44	37	32	43	36	31	42	36	31	29								
9	56	43	34	29	55	42	34	29	41	34	28	40	33	28	39	33	28	26								
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24								

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1440	1440	1440
5°	1439	1435	1444
10°	1433	1433	1444
15°	1420	1426	1441
20°	1401	1415	1437
25°	1375	1401	1428
30°	1344	1385	1417
35°	1315	1362	1405
40°	1270	1340	1389
45°	1228	1313	1374
50°	1181	1289	1357
55°	1128	1265	1344
60°	1076	1245	1341
65°	1008	1223	1349
70°	933	1230	1386
75°	835	1253	1464
80°	675	1327	1432
85°	508	1164	1137



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.6	3.3
10°-20°	276.1	9.5
20°-30°	415.0	14.3
30°-40°	494.3	17.0
40°-50°	505.9	17.4
50°-60°	455.5	15.7
60°-70°	357.7	12.3
70°-80°	232.1	8.0
80°-90°	71.8	2.5
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°	787.7	27.1
0°-40°	1282.0	44.1
0°-60°	2243.4	77.2
0°-90°	2905.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2905.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1021	1021	1021	1021	1021	
5°	1016	1018	1013	1019	1020	97
15°	972	974	976	985	986	274
25°	883	890	900	914	917	407
35°	763	772	791	810	816	476
45°	616	630	658	683	688	475
55°	459	479	514	541	546	411
65°	302	325	366	397	404	300
75°	153	183	230	261	268	162
85°	31	58	72	70	70	38
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1020.6	1020.6	1020.6	1020.6	1020.6
2.5°	1021.5	1021.5	1016.8	1021.5	1022.4
5°	1015.9	1017.8	1013.1	1018.7	1019.6
7.5°	1010.4	1010.4	1007.6	1013.1	1014.1
10°	1000.2	1001.1	1000.2	1006.7	1007.6
12.5°	987.4	989.1	990.1	996.6	997.5
15°	971.7	974.5	976.2	984.6	986.5
17.5°	954.1	956.9	961.4	970.7	972.6
20°	932.9	936.5	942.1	954.1	956.9
22.5°	909.9	913.5	922.8	933.8	938.4
25°	883.1	890.4	899.6	914.4	917.2
27.5°	856.3	862.7	874.7	890.4	894.2
30°	824.9	835.0	849.8	865.5	869.2
32.5°	794.5	804.6	822.1	838.8	843.4
35°	763.1	772.3	790.8	810.1	815.7
37.5°	727.1	739.1	759.4	778.8	784.3
40°	689.3	704.1	727.1	747.4	753.9
42.5°	653.3	668.9	692.1	714.2	721.5
45°	615.5	630.3	657.9	682.8	688.4
47.5°	576.7	593.3	622.8	647.7	656.9
50°	538.0	555.5	586.9	612.7	618.2
52.5°	499.2	517.6	550.9	578.6	581.3
55°	458.6	478.9	514.0	540.8	546.3
57.5°	421.7	439.3	477.1	504.7	511.2
60°	381.1	400.5	441.0	466.9	475.2
62.5°	342.3	362.7	405.1	430.9	438.3
65°	301.7	324.9	366.3	396.8	404.1
67.5°	266.7	288.8	333.1	362.7	370.0
70°	226.0	251.0	298.1	328.5	335.9
72.5°	191.0	216.8	263.9	293.4	304.5
75°	153.2	182.7	229.8	261.2	268.5
77.5°	116.3	150.4	198.3	222.4	222.4
80°	83.0	119.1	163.3	174.4	176.2
82.5°	54.5	89.5	120.8	120.0	120.0
85°	31.4	58.1	71.9	70.2	70.2
87.5°	12.0	24.0	25.8	25.8	24.9
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)