

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: P732126

Luminaire Tested: **24CZ2-30HE-S-B2750-W2D-2700K**

Issue Date: 1/5/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P732126  
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-S-B2750-W2D-2700K  
Description: 2X4 3000 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 2700K CCT AND SMOOTH LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

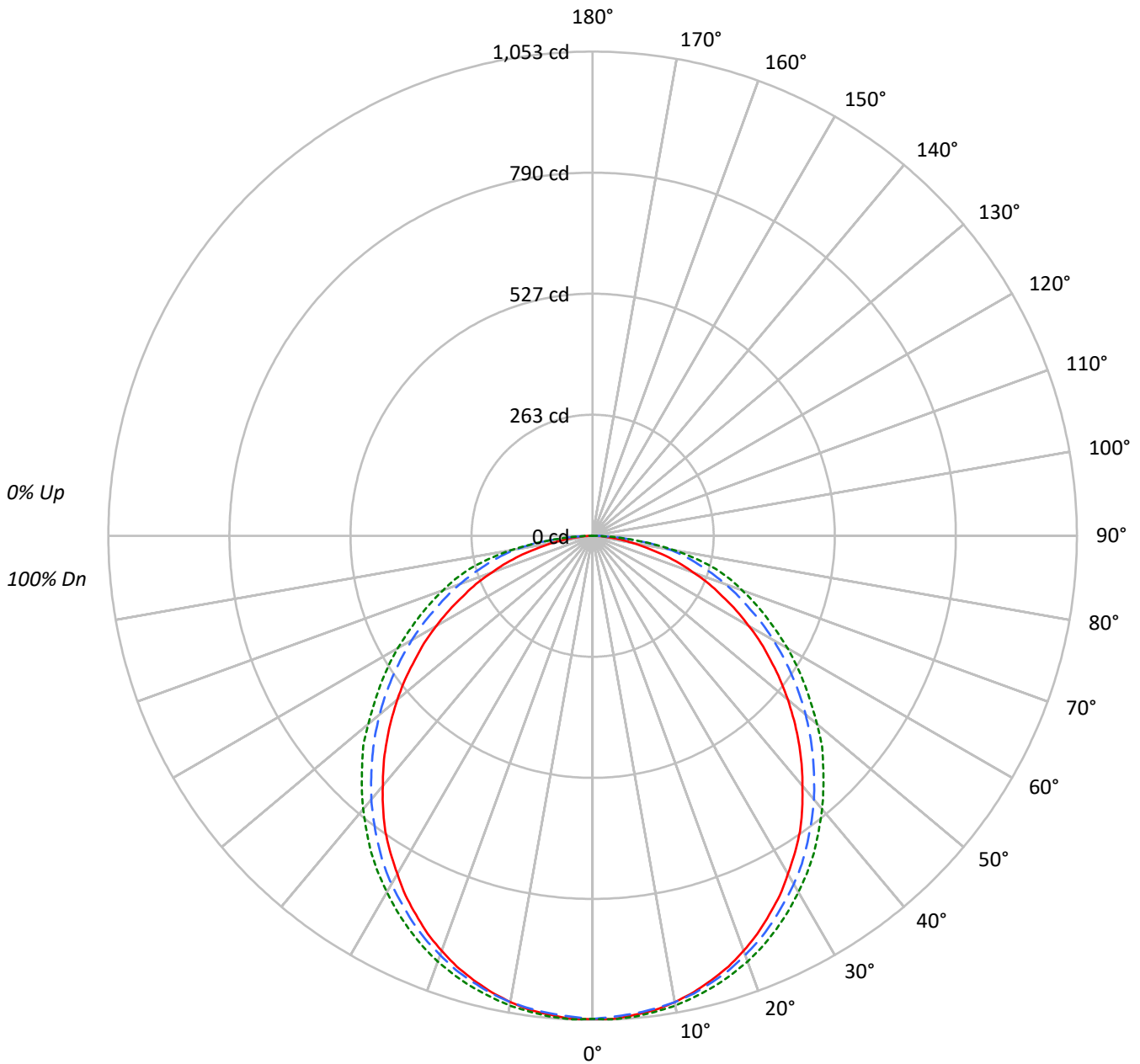
Lumens per Lamp: N/A  
Luminaire Lumens: 2991.0 lumens  
Efficiency: N/A  
Efficacy: 136.0 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.26 / 1.35  
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')  
CIE Type: Direct

Input Watts (W): 22  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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°	1483	1483	1483
5°	1482	1478	1487
10°	1476	1476	1487
15°	1462	1469	1484
20°	1443	1457	1480
25°	1416	1442	1471
30°	1384	1426	1458
35°	1354	1403	1447
40°	1308	1379	1430
45°	1265	1352	1415
50°	1216	1327	1398
55°	1162	1302	1384
60°	1108	1282	1381
65°	1038	1260	1390
70°	960	1266	1427
75°	860	1290	1507
80°	695	1367	1474
85°	523	1200	1169



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	99.5	3.3
10°-20°	284.2	9.5
20°-30°	427.3	14.3
30°-40°	508.9	17.0
40°-50°	520.9	17.4
50°-60°	469.0	15.7
60°-70°	368.3	12.3
70°-80°	239.0	8.0
80°-90°	73.9	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°	811.0	27.1
0°-40°	1319.9	44.1
0°-60°	2309.8	77.2
0°-90°	2991.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2991.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1051	1051	1051	1051	1051	
5°	1046	1048	1043	1049	1050	99
15°	1000	1003	1005	1014	1016	282
25°	909	917	926	942	944	419
35°	786	795	814	834	840	490
45°	634	649	677	703	709	489
55°	472	493	529	557	562	423
65°	311	334	377	408	416	309
75°	158	188	237	269	276	167
85°	32	60	74	72	72	39
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1050.8	1050.8	1050.8	1050.8	1050.8
2.5°	1051.7	1051.7	1046.9	1051.7	1052.6
5°	1046.0	1047.9	1043.1	1048.9	1049.8
7.5°	1040.3	1040.3	1037.4	1043.1	1044.2
10°	1029.9	1030.8	1029.9	1036.5	1037.4
12.5°	1016.6	1018.4	1019.4	1026.1	1027.0
15°	1000.4	1003.3	1005.1	1013.7	1015.7
17.5°	982.4	985.2	989.9	999.4	1001.4
20°	960.5	964.3	970.0	982.4	985.2
22.5°	936.8	940.6	950.1	961.4	966.2
25°	909.2	916.8	926.3	941.5	944.4
27.5°	881.6	888.3	900.6	916.8	920.7
30°	849.3	859.8	875.0	891.1	894.9
32.5°	818.0	828.4	846.5	863.7	868.3
35°	785.7	795.2	814.2	834.1	839.8
37.5°	748.6	761.0	781.9	801.8	807.6
40°	709.7	724.9	748.6	769.6	776.2
42.5°	672.6	688.7	712.6	735.3	742.9
45°	633.7	648.9	677.4	703.1	708.8
47.5°	593.7	610.9	641.2	666.9	676.4
50°	553.9	572.0	604.3	630.8	636.6
52.5°	514.0	533.0	567.2	595.7	598.5
55°	472.2	493.1	529.2	556.8	562.5
57.5°	434.2	452.3	491.2	519.7	526.3
60°	392.4	412.3	454.1	480.8	489.2
62.5°	352.4	373.4	417.1	443.7	451.2
65°	310.7	334.5	377.2	408.5	416.1
67.5°	274.6	297.4	342.9	373.4	380.9
70°	232.7	258.5	306.9	338.2	345.8
72.5°	196.7	223.2	271.7	302.1	313.5
75°	157.7	188.1	236.6	268.9	276.4
77.5°	119.7	154.9	204.2	228.9	228.9
80°	85.5	122.6	168.2	179.6	181.4
82.5°	56.1	92.1	124.4	123.5	123.5
85°	32.3	59.9	74.1	72.2	72.2
87.5°	12.4	24.7	26.6	26.6	25.6
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)