

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: P842934

Luminaire Tested: **22CZ2-29HE-UNV-B50**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P842934
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: 22CZ2-29HE-UNV-B50
Description: 2X2 2900 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 5000K CCT AND RIBBED LENS

Light Source: -
Ballast/Driver: -

Summary

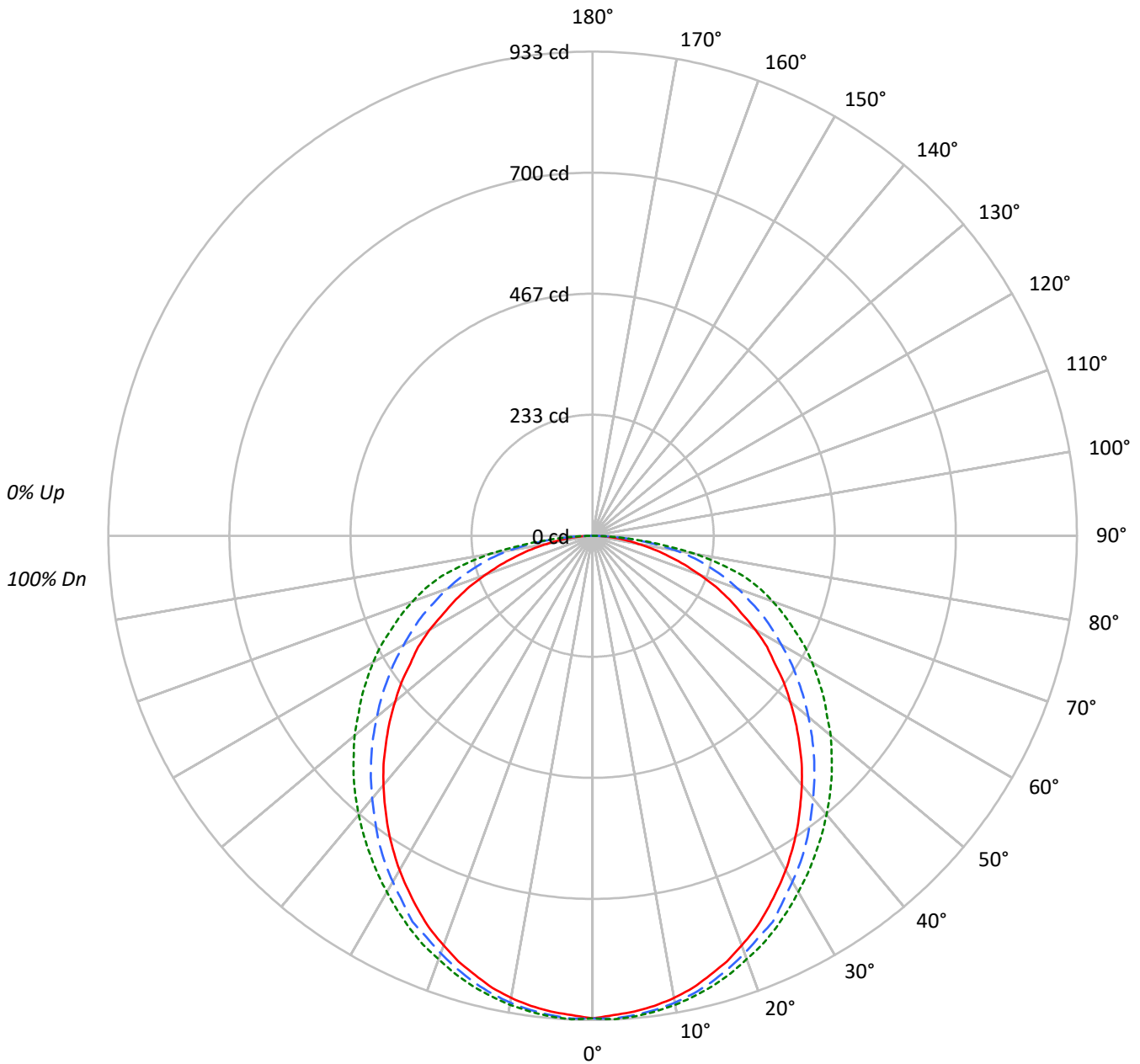
Lumens per Lamp: N/A
Luminaire Lumens: 2735.0 lumens
Efficiency: N/A
Efficacy: 109.4 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.36
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')
CIE Type: Direct

Input Watts (W): 25
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°	2639	2639	2639
5°	2622	2641	2649
10°	2606	2633	2644
15°	2574	2613	2637
20°	2536	2585	2621
25°	2490	2570	2612
30°	2438	2523	2597
35°	2382	2489	2592
40°	2323	2447	2597
45°	2258	2420	2614
50°	2192	2394	2644
55°	2117	2384	2689
60°	2054	2383	2772
65°	1951	2422	2874
70°	1820	2467	3060
75°	1668	2553	3305
80°	1453	2660	3255
85°	1273	2367	2588



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.9	3.2
10°-20°	250.5	9.2
20°-30°	376.0	13.7
30°-40°	449.3	16.4
40°-50°	467.2	17.1
50°-60°	433.1	15.8
60°-70°	355.2	13.0
70°-80°	240.2	8.8
80°-90°	75.5	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°	714.5	26.1
0°-40°	1163.8	42.6
0°-60°	2064.1	75.5
0°-90°	2735.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2735.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	930	930	930	930	930	
5°	920	922	927	929	930	87
15°	876	880	890	895	898	247
25°	795	802	821	830	834	366
35°	688	697	719	740	748	430
45°	563	573	603	638	651	434
55°	428	441	482	525	544	385
65°	291	307	361	408	428	287
75°	152	178	233	280	302	161
85°	39	54	73	81	80	44
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	929.9	929.9	929.9	929.9	929.9
2.5°	924.6	927.2	931.2	932.7	932.7
5°	920.5	921.8	927.2	928.6	929.9
7.5°	913.7	916.5	921.8	923.3	924.6
10°	904.3	907.1	913.7	916.5	917.8
12.5°	892.3	894.9	903.0	907.1	908.4
15°	876.1	880.1	889.5	894.9	897.7
17.5°	860.0	863.9	873.5	881.4	884.2
20°	839.8	849.2	856.0	866.7	868.0
22.5°	819.6	825.0	837.0	847.9	853.2
25°	795.3	802.1	820.9	830.3	834.4
27.5°	769.9	779.3	794.0	808.8	814.1
30°	744.2	750.9	769.9	787.2	792.7
32.5°	716.0	725.4	745.5	763.0	771.2
35°	687.6	697.0	718.6	740.2	748.3
37.5°	656.8	667.5	689.1	714.6	725.4
40°	627.1	635.3	660.7	691.7	701.1
42.5°	596.2	605.6	632.5	666.2	676.9
45°	562.6	573.3	603.0	637.8	651.3
47.5°	530.2	541.0	573.3	608.3	624.4
50°	496.6	510.0	542.3	582.7	598.9
52.5°	464.3	476.5	512.8	554.5	569.2
55°	428.0	441.4	481.8	524.8	543.6
57.5°	398.3	407.7	452.2	496.6	515.4
60°	362.0	374.1	419.9	466.9	488.5
62.5°	323.1	343.2	390.2	438.7	460.3
65°	290.6	306.8	360.7	407.7	428.0
67.5°	257.1	274.6	327.0	376.9	399.8
70°	219.4	242.3	297.4	347.2	368.8
72.5°	185.7	210.0	266.5	314.9	337.8
75°	152.1	177.6	232.9	279.9	301.5
77.5°	119.8	148.1	201.9	238.2	251.7
80°	88.9	115.8	162.8	188.5	199.2
82.5°	62.0	84.8	119.8	133.3	135.9
85°	39.1	53.8	72.7	80.8	79.5
87.5°	17.5	21.6	26.9	29.7	28.2
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)