

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: P842928

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

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P842928
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: 22CZ2-29HE-S-UNV-B50
Description: 2X2 2900 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 5000K CCT AND SMOOTH LENS

Light Source: -
Ballast/Driver: -

Summary

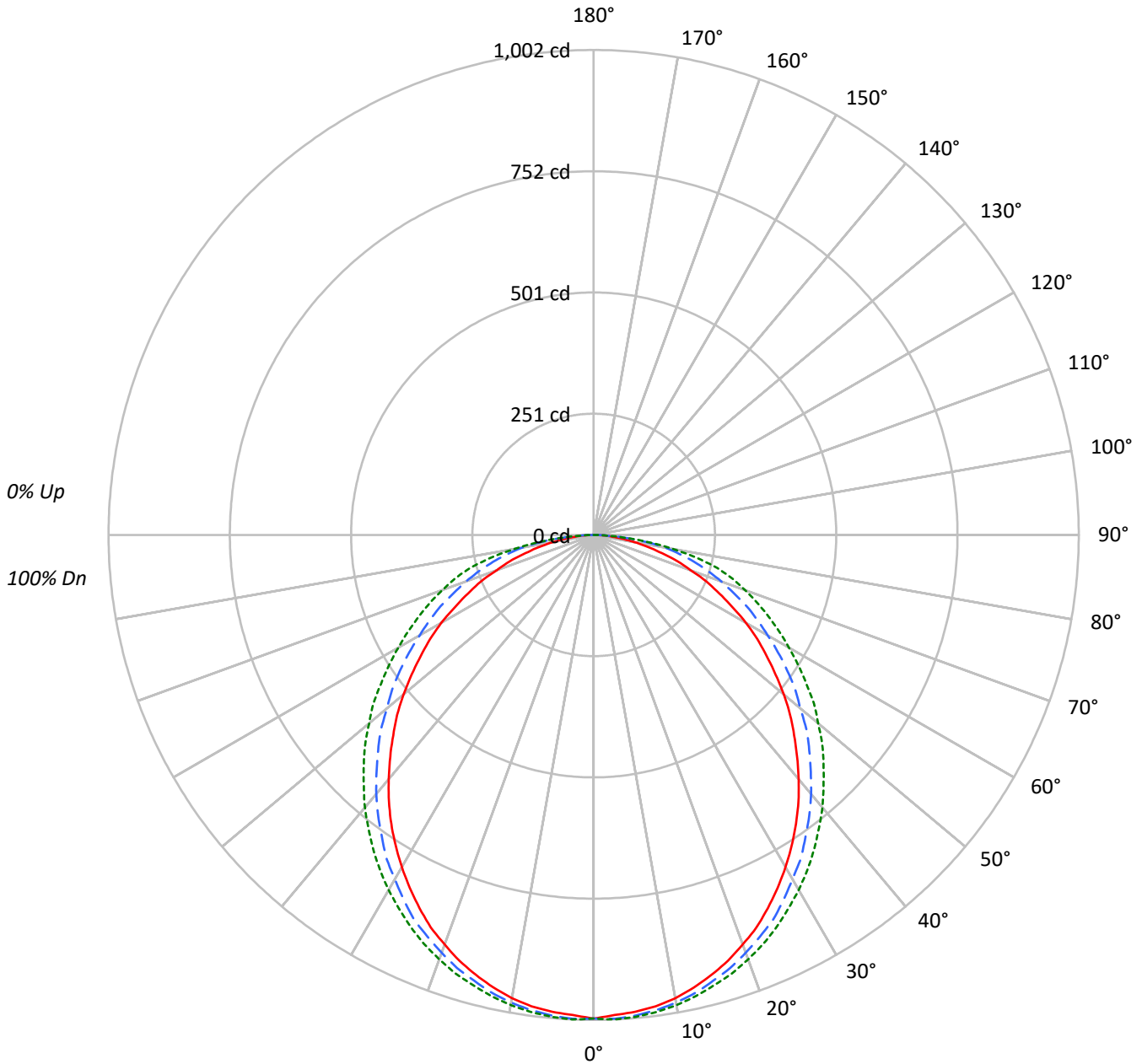
Lumens per Lamp: N/A
Luminaire Lumens: 2789.0 lumens
Efficiency: N/A
Efficacy: 111.6 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.26 / 1.34
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	2836	2836	2836
5°	2817	2839	2847
10°	2801	2827	2842
15°	2764	2802	2829
20°	2719	2774	2818
25°	2664	2746	2799
30°	2597	2690	2776
35°	2524	2642	2750
40°	2439	2588	2723
45°	2350	2527	2695
50°	2263	2459	2672
55°	2157	2414	2653
60°	2060	2356	2644
65°	1922	2342	2674
70°	1770	2321	2753
75°	1597	2354	2897
80°	1381	2423	2721
85°	1143	2032	2032



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.5	3.4
10°-20°	269.0	9.6
20°-30°	402.4	14.4
30°-40°	476.6	17.1
40°-50°	485.7	17.4
50°-60°	435.3	15.6
60°-70°	340.8	12.2
70°-80°	219.8	7.9
80°-90°	64.9	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°	765.9	27.5
0°-40°	1242.5	44.5
0°-60°	2163.5	77.6
0°-90°	2789.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2789.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	999	999	999	999	999	
5°	989	992	997	998	999	94
15°	941	946	954	962	963	265
25°	851	859	877	889	894	392
35°	729	738	763	786	794	455
45°	586	599	630	662	672	452
55°	436	450	488	522	536	391
65°	286	303	349	383	398	284
75°	146	168	215	251	264	156
85°	35	48	62	62	62	41
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	999.4	999.4	999.4	999.4	999.4
2.5°	992.8	995.5	1000.7	1002.1	1002.1
5°	989.0	991.6	996.7	998.1	999.4
7.5°	982.5	983.7	990.3	992.8	994.2
10°	972.1	974.6	981.2	985.1	986.4
12.5°	957.7	961.6	969.4	974.6	976.0
15°	940.9	946.1	953.8	961.6	963.0
17.5°	922.6	927.9	938.2	947.3	950.0
20°	900.4	907.0	918.6	929.1	933.1
22.5°	878.3	883.5	897.9	911.0	914.9
25°	851.0	858.9	877.1	888.8	894.0
27.5°	822.4	831.4	849.8	865.3	870.5
30°	792.6	801.7	821.1	840.7	847.1
32.5°	761.2	771.7	795.1	814.7	821.1
35°	728.7	737.8	762.6	786.0	793.8
37.5°	694.9	702.7	731.4	756.0	763.9
40°	658.5	668.8	698.8	727.5	735.2
42.5°	621.9	633.7	663.7	694.9	702.7
45°	585.6	598.6	629.8	662.4	671.5
47.5°	550.4	560.8	596.1	627.3	640.3
50°	512.6	523.1	557.0	592.1	605.2
52.5°	473.6	488.0	524.4	558.3	573.8
55°	436.0	450.2	488.0	521.9	536.2
57.5°	400.8	412.4	451.5	486.6	501.0
60°	363.0	373.5	415.1	452.9	465.9
62.5°	322.7	338.3	381.2	416.4	432.0
65°	286.3	303.1	348.8	382.6	398.2
67.5°	252.5	268.0	312.4	348.8	365.7
70°	213.4	234.3	279.8	316.1	331.8
72.5°	182.2	200.4	247.3	283.7	300.6
75°	145.7	167.8	214.7	251.2	264.2
77.5°	115.9	138.0	182.2	210.8	217.3
80°	84.5	106.6	148.3	162.6	166.5
82.5°	57.2	78.1	106.6	110.6	112.0
85°	35.1	48.1	62.4	62.4	62.4
87.5°	16.9	19.4	22.1	20.9	20.9
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)