

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: P842930

Luminaire Tested: **22CZ2-29HE-SQR-UNV-B40**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P842930
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P387672)
Test Lab: INNOVATIONS CENTER(G3)
Issue Date: 1/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22CZ2-29HE-SQR-UNV-B40
Description: 2X2 2900 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 4000K CCT AND SQR LENS

Light Source: -
Ballast/Driver: -

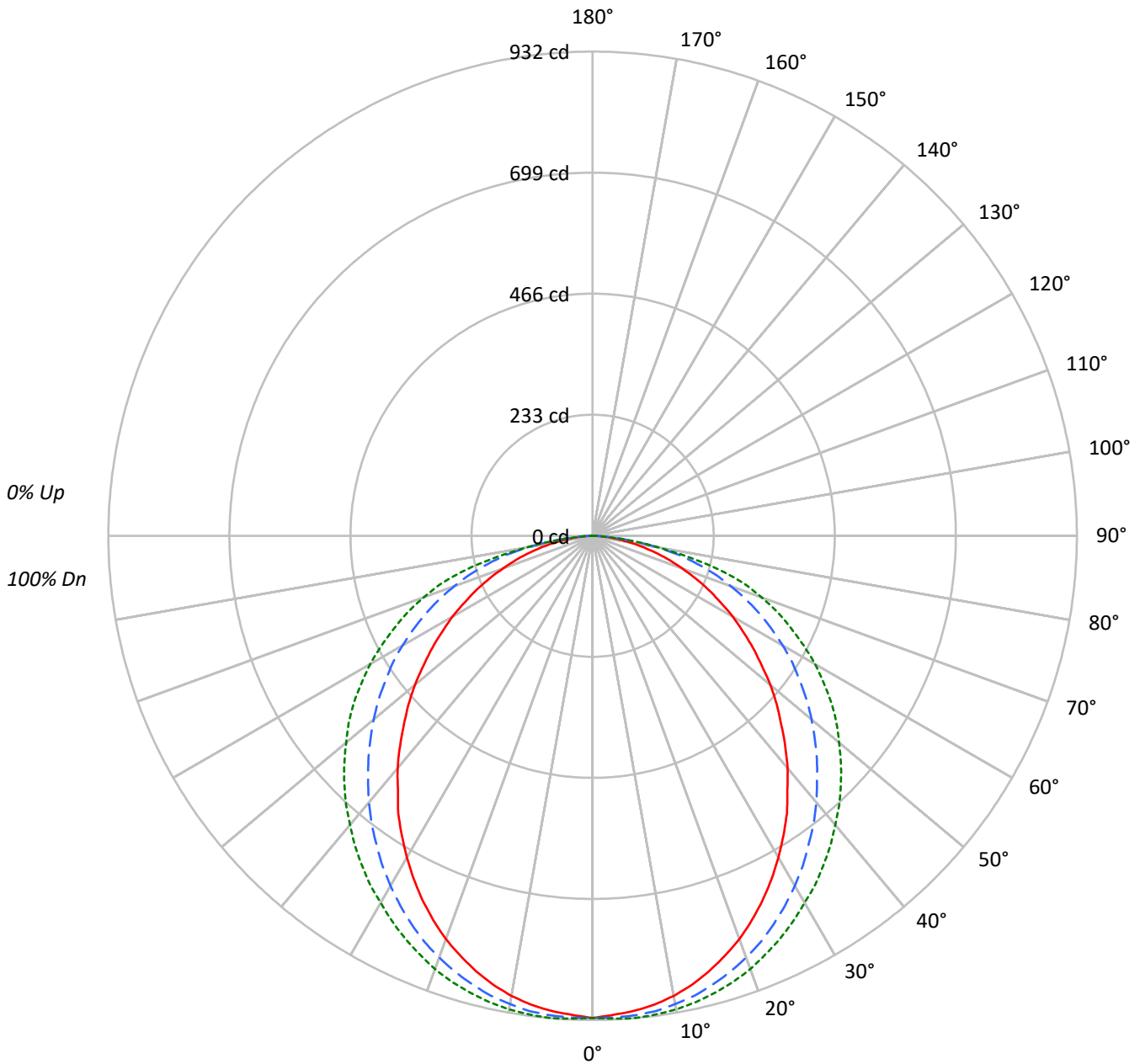
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2657.0 lumens
Efficiency: N/A
Efficacy: 106.3 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.31 / 1.37
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	109	104	99	95	106	101	97	94	97	94	91	93	91	88	90	87	85	83																			
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	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	68	60	54	66	59	53	64	57	52	61	56	51	49																			
5	75	62	53	46	73	61	53	46	59	51	46	57	50	45	55	49	45	43																			
6	70	56	47	41	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°	2634	2634	2634
5°	2615	2640	2654
10°	2591	2638	2667
15°	2548	2627	2674
20°	2494	2608	2681
25°	2424	2582	2677
30°	2343	2549	2673
35°	2259	2512	2682
40°	2163	2481	2690
45°	2060	2449	2712
50°	1971	2427	2733
55°	1866	2408	2776
60°	1768	2398	2805
65°	1652	2380	2828
70°	1517	2344	2866
75°	1369	2281	2765
80°	1177	2020	2082
85°	947	1195	947



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.0	3.3
10°-20°	251.6	9.5
20°-30°	377.8	14.2
30°-40°	450.6	17.0
40°-50°	465.9	17.5
50°-60°	428.3	16.1
60°-70°	341.0	12.8
70°-80°	208.4	7.8
80°-90°	45.3	1.7
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°	717.4	27.0
0°-40°	1168.0	44.0
0°-60°	2062.3	77.6
0°-90°	2657.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2657.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	928	928	928	928	928	
5°	918	920	927	931	932	87
15°	868	878	894	907	910	244
25°	774	793	825	847	855	356
35°	652	680	725	763	774	407
45°	513	550	610	660	676	397
55°	377	419	487	542	561	337
65°	246	288	354	404	421	244
75°	125	161	208	245	252	133
85°	29	35	37	32	29	33
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	928.1	928.1	928.1	928.1	928.1
2.5°	923.0	924.4	928.1	930.6	930.6
5°	918.0	920.5	926.9	930.6	931.9
7.5°	910.4	914.3	923.0	928.1	929.4
10°	899.2	904.2	915.5	923.0	925.6
12.5°	885.2	892.8	906.7	916.8	919.3
15°	867.5	877.6	894.1	906.7	910.4
17.5°	847.4	860.0	880.2	895.3	900.3
20°	826.0	838.6	863.8	881.5	887.7
22.5°	800.8	817.1	846.2	866.4	871.4
25°	774.2	793.2	824.7	847.4	854.9
27.5°	745.3	768.0	802.0	829.7	836.1
30°	715.1	738.9	778.1	808.4	815.9
32.5°	683.4	711.2	752.9	786.8	796.9
35°	652.0	679.7	725.1	763.0	774.2
37.5°	615.4	648.1	698.6	737.8	751.5
40°	583.9	615.4	669.7	712.5	726.3
42.5°	548.6	582.6	639.4	686.0	702.4
45°	513.3	549.8	610.3	659.6	675.9
47.5°	480.5	517.0	580.0	631.8	648.1
50°	446.4	484.2	549.8	602.7	619.2
52.5°	409.9	451.4	519.5	572.5	591.5
55°	377.1	418.6	486.7	542.2	561.2
57.5°	343.0	385.9	456.5	509.4	527.1
60°	311.5	353.1	422.5	474.1	494.3
62.5°	277.4	320.3	388.4	438.8	457.8
65°	246.0	287.5	354.4	403.5	421.2
67.5°	214.4	256.1	319.1	365.7	385.9
70°	182.9	224.5	282.5	327.9	345.5
72.5°	155.2	191.7	247.2	288.8	305.2
75°	124.9	161.4	208.1	244.6	252.2
77.5°	97.2	130.0	169.0	185.4	188.0
80°	72.0	97.2	123.6	127.4	127.4
82.5°	47.9	66.9	77.0	78.2	77.0
85°	29.1	35.3	36.7	31.6	29.1
87.5°	10.1	10.1	6.4	3.9	1.3
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)