

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: P842929

Luminaire Tested: **22CZ2-29HE-SQR-UNV-B35**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P842929
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-B35
Description: 2X2 2900 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3500K CCT AND SQR LENS

Light Source: -
Ballast/Driver: -

Summary

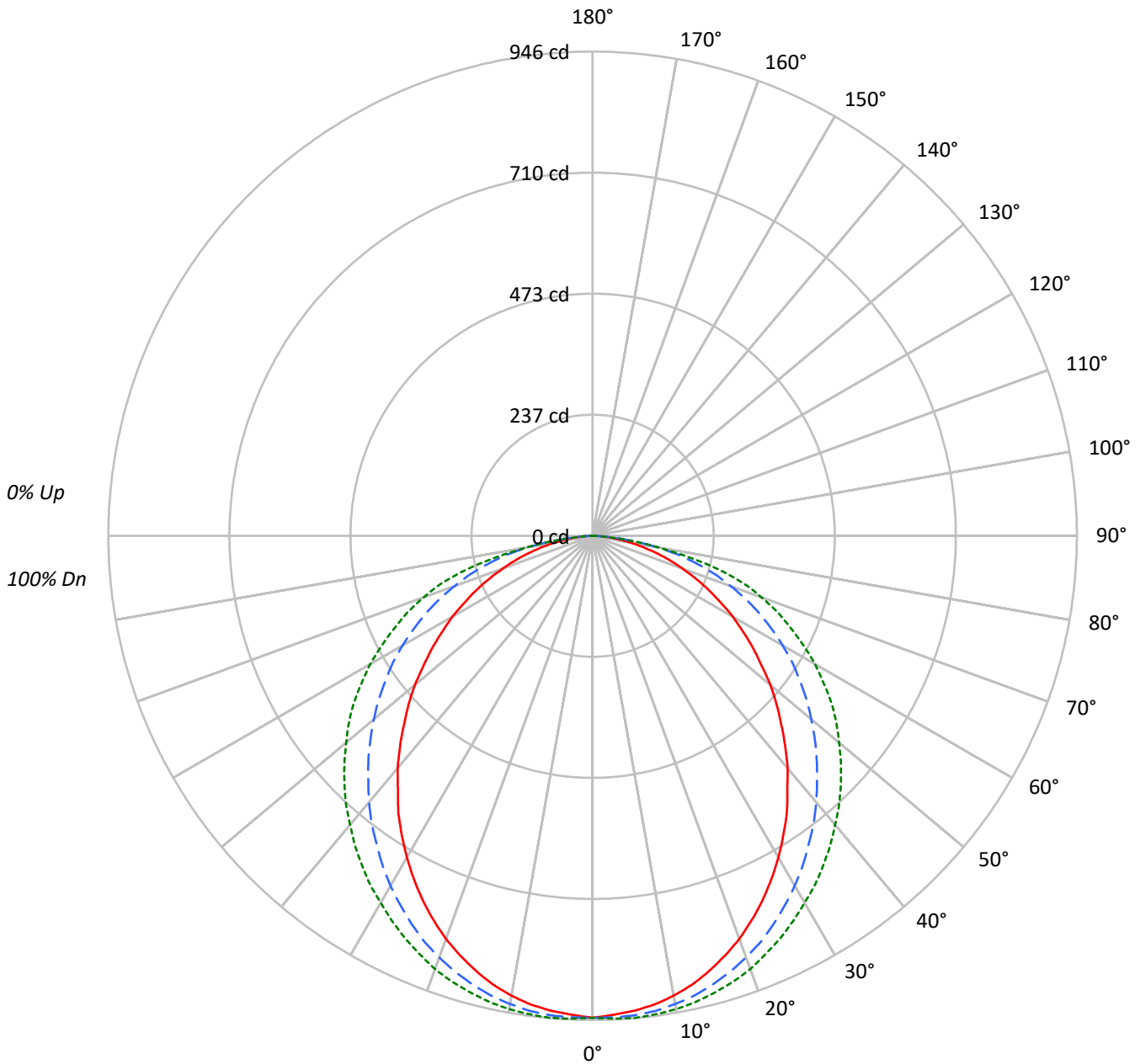
Lumens per Lamp: N/A
Luminaire Lumens: 2696.0 lumens
Efficiency: N/A
Efficacy: 107.8 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.31 / 1.37
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')
CIE Type: Direct

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°	2672	2672	2672
5°	2653	2679	2693
10°	2629	2676	2706
15°	2586	2665	2714
20°	2531	2647	2720
25°	2460	2620	2716
30°	2377	2587	2713
35°	2292	2549	2721
40°	2195	2517	2730
45°	2090	2485	2752
50°	1999	2463	2774
55°	1893	2443	2817
60°	1794	2433	2847
65°	1676	2414	2869
70°	1540	2378	2909
75°	1390	2315	2806
80°	1193	2049	2113
85°	960	1211	960



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.3	3.3
10°-20°	255.3	9.5
20°-30°	383.4	14.2
30°-40°	457.2	17.0
40°-50°	472.8	17.5
50°-60°	434.6	16.1
60°-70°	346.0	12.8
70°-80°	211.4	7.8
80°-90°	46.0	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°	727.9	27.0
0°-40°	1185.2	44.0
0°-60°	2092.6	77.6
0°-90°	2696.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2696.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	942	942	942	942	942	
5°	932	934	940	944	946	88
15°	880	890	907	920	924	248
25°	786	805	837	860	868	361
35°	662	690	736	774	786	413
45°	521	558	619	669	686	403
55°	383	425	494	550	570	342
65°	250	292	360	409	427	247
75°	127	164	211	248	256	135
85°	30	36	37	32	30	34
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	941.7	941.7	941.7	941.7	941.7
2.5°	936.6	937.9	941.7	944.3	944.3
5°	931.5	934.0	940.5	944.3	945.6
7.5°	923.8	927.7	936.6	941.7	943.1
10°	912.4	917.5	928.9	936.6	939.1
12.5°	898.2	905.9	920.0	930.3	932.8
15°	880.3	890.5	907.2	920.0	923.8
17.5°	859.8	872.6	893.1	908.4	913.5
20°	838.1	850.9	876.5	894.4	900.8
22.5°	812.6	829.1	858.6	879.1	884.2
25°	785.6	804.9	836.8	859.8	867.5
27.5°	756.3	779.3	813.7	841.9	848.4
30°	725.6	749.8	789.5	820.2	827.9
32.5°	693.5	721.6	763.9	798.4	808.6
35°	661.6	689.7	735.8	774.2	785.6
37.5°	624.4	657.7	708.8	748.6	762.6
40°	592.5	624.4	679.5	723.0	737.0
42.5°	556.7	591.1	648.8	696.0	712.8
45°	520.8	557.9	619.3	669.3	685.8
47.5°	487.6	524.6	588.6	641.1	657.7
50°	452.9	491.3	557.9	611.6	628.3
52.5°	415.9	458.1	527.1	580.9	600.2
55°	382.6	424.8	493.9	550.2	569.5
57.5°	348.0	391.5	463.2	516.9	534.8
60°	316.1	358.3	428.7	481.1	501.6
62.5°	281.5	325.0	394.1	445.3	464.5
65°	249.6	291.7	359.6	409.4	427.3
67.5°	217.5	259.8	323.8	371.0	391.5
70°	185.6	227.7	286.6	332.7	350.6
72.5°	157.5	194.5	250.8	293.1	309.6
75°	126.8	163.8	211.2	248.2	255.9
77.5°	98.6	131.9	171.5	188.2	190.7
80°	73.0	98.6	125.4	129.3	129.3
82.5°	48.6	67.9	78.1	79.3	78.1
85°	29.5	35.8	37.2	32.1	29.5
87.5°	10.2	10.2	6.5	3.9	1.4
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)