

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:

Report Number: P842842

Luminaire Tested: **14CZ2-29-UNV-B35**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P842842
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P275502)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 1/5/2024
Manufacturer:
Product Line:
Catalog Number: 14CZ2-29-UNV-B35
Description: 1X4 2900 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3500K CCT AND RIBBED LENS

Light Source: -
Ballast/Driver: -

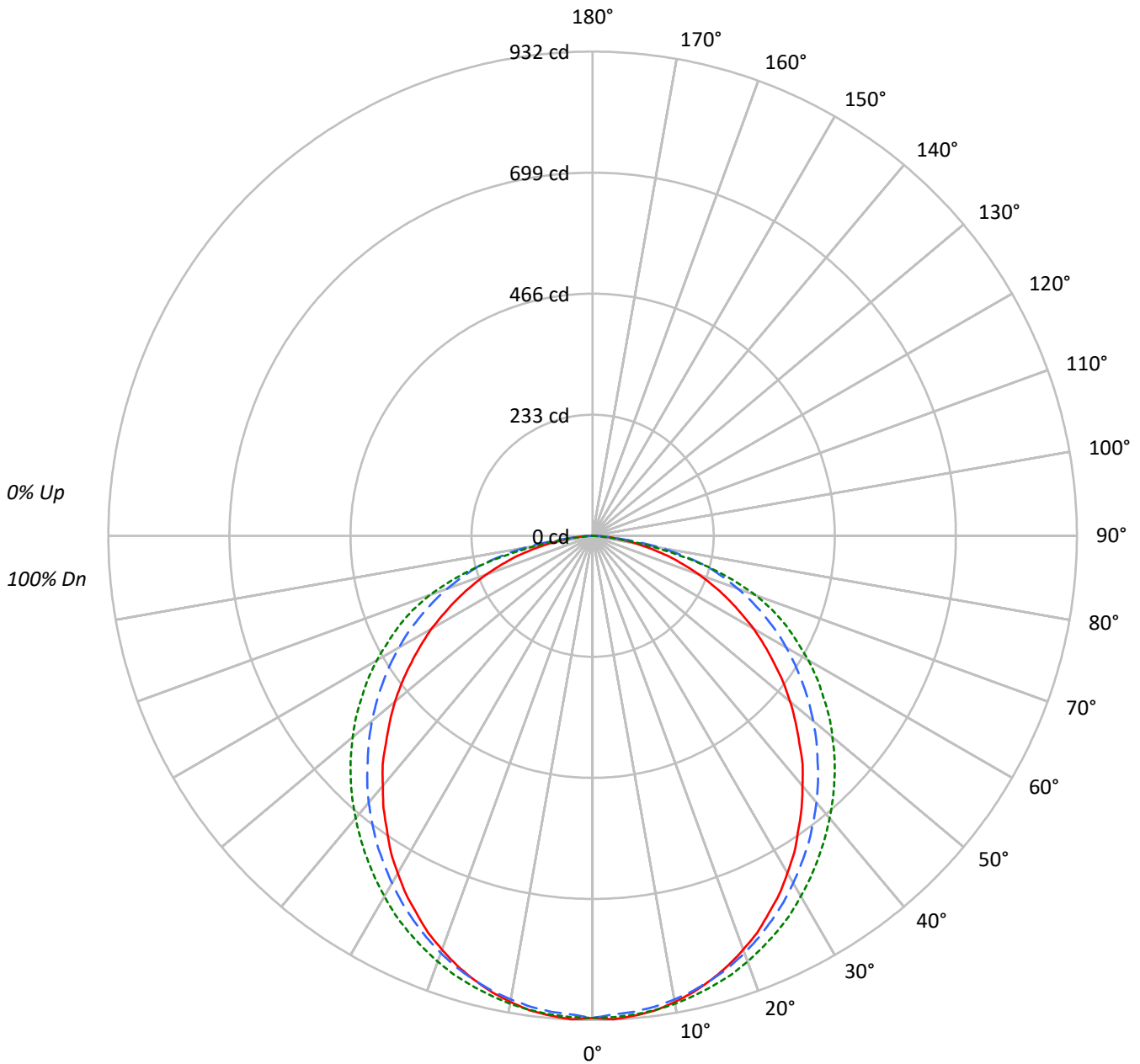
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2694.0 lumens
Efficiency: N/A
Efficacy: 117.1 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.37
Luminous Opening: Rectangular (W 0.96' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 23
Input Voltage (V): NR
Input Current (Ain): 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	109	104	99	95	106	101	97	94	97	94	91	93	90	88	90	87	85	83								
2	98	90	83	77	96	88	82	76	84	79	74	81	77	73	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	79	68	60	53	66	58	53	63	57	52	61	56	51	49								
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42								
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39	37								
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	34	32								
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29								
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26								
10	52	39	31	26	51	39	31	26	37	30	26	37	30	25	36	30	25	24								

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2620	2620	2620
5°	2628	2606	2621
10°	2612	2598	2622
15°	2584	2586	2621
20°	2546	2568	2620
25°	2498	2542	2618
30°	2444	2516	2612
35°	2379	2494	2610
40°	2315	2470	2614
45°	2245	2443	2628
50°	2179	2432	2646
55°	2096	2425	2669
60°	2021	2429	2706
65°	1918	2436	2748
70°	1800	2454	2746
75°	1630	2477	2483
80°	1339	2138	1767
85°	991	1014	408



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.8	3.3
10°-20°	250.9	9.3
20°-30°	377.9	14.0
30°-40°	453.5	16.8
40°-50°	472.7	17.5
50°-60°	437.6	16.2
60°-70°	353.6	13.1
70°-80°	215.6	8.0
80°-90°	44.5	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°	716.6	26.6
0°-40°	1170.1	43.4
0°-60°	2080.4	77.2
0°-90°	2694.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2694.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	928	928	928	928	928	
5°	927	925	920	926	925	88
15°	884	885	885	897	897	249
25°	802	807	816	837	840	370
35°	690	701	724	750	757	432
45°	562	579	612	646	658	435
55°	426	448	493	531	542	382
65°	287	315	365	401	412	284
75°	150	183	227	231	228	157
85°	31	46	31	17	13	38
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°	931.7	928.8	922.2	928.8	927.4
5°	927.4	925.1	919.7	926.3	925.1
7.5°	921.5	919.0	914.2	922.2	920.8
10°	911.2	910.1	906.4	915.5	914.9
12.5°	899.3	898.7	896.8	907.1	906.4
15°	884.3	884.8	884.8	896.8	896.8
17.5°	867.4	868.6	871.1	884.3	886.1
20°	847.6	850.0	854.8	869.9	872.2
22.5°	827.2	829.0	836.2	854.2	856.7
25°	801.9	806.7	816.3	836.8	840.5
27.5°	777.9	782.1	795.3	816.3	822.4
30°	749.7	756.3	772.0	794.8	801.4
32.5°	722.7	729.8	747.8	774.3	780.3
35°	690.3	701.0	723.9	750.3	757.4
37.5°	660.9	670.9	696.9	725.7	734.1
40°	628.3	641.0	670.4	701.0	709.5
42.5°	598.3	610.2	642.2	673.4	684.8
45°	562.3	579.2	612.1	646.3	658.4
47.5°	529.2	546.1	584.0	620.5	631.4
50°	496.1	514.2	553.9	591.7	602.5
52.5°	461.9	481.3	523.8	561.6	574.4
55°	425.9	448.2	492.7	531.0	542.4
57.5°	391.6	414.4	461.9	500.9	512.3
60°	358.0	381.5	430.2	467.4	479.4
62.5°	320.8	348.5	398.9	435.4	444.5
65°	287.1	315.4	364.7	401.2	411.5
67.5°	251.7	282.3	331.6	365.2	374.9
70°	218.1	249.9	297.4	328.6	332.7
72.5°	182.1	214.5	262.5	282.3	282.3
75°	149.5	182.6	227.1	230.7	227.7
77.5°	114.1	150.8	179.6	172.3	165.2
80°	82.4	118.4	131.5	118.4	108.7
82.5°	55.2	85.8	79.2	63.0	55.9
85°	30.6	45.6	31.3	17.4	12.6
87.5°	11.4	10.3	3.0	3.0	3.0
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)