

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: P842857

Luminaire Tested: **14CZ2-35-UNV-B35**

Issue Date: 1/5/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P842857  
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: 14CZ2-35-UNV-B35  
Description: 1X4 3500 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3500K CCT AND RIBBED LENS  
  
Light Source: -  
Ballast/Driver: -

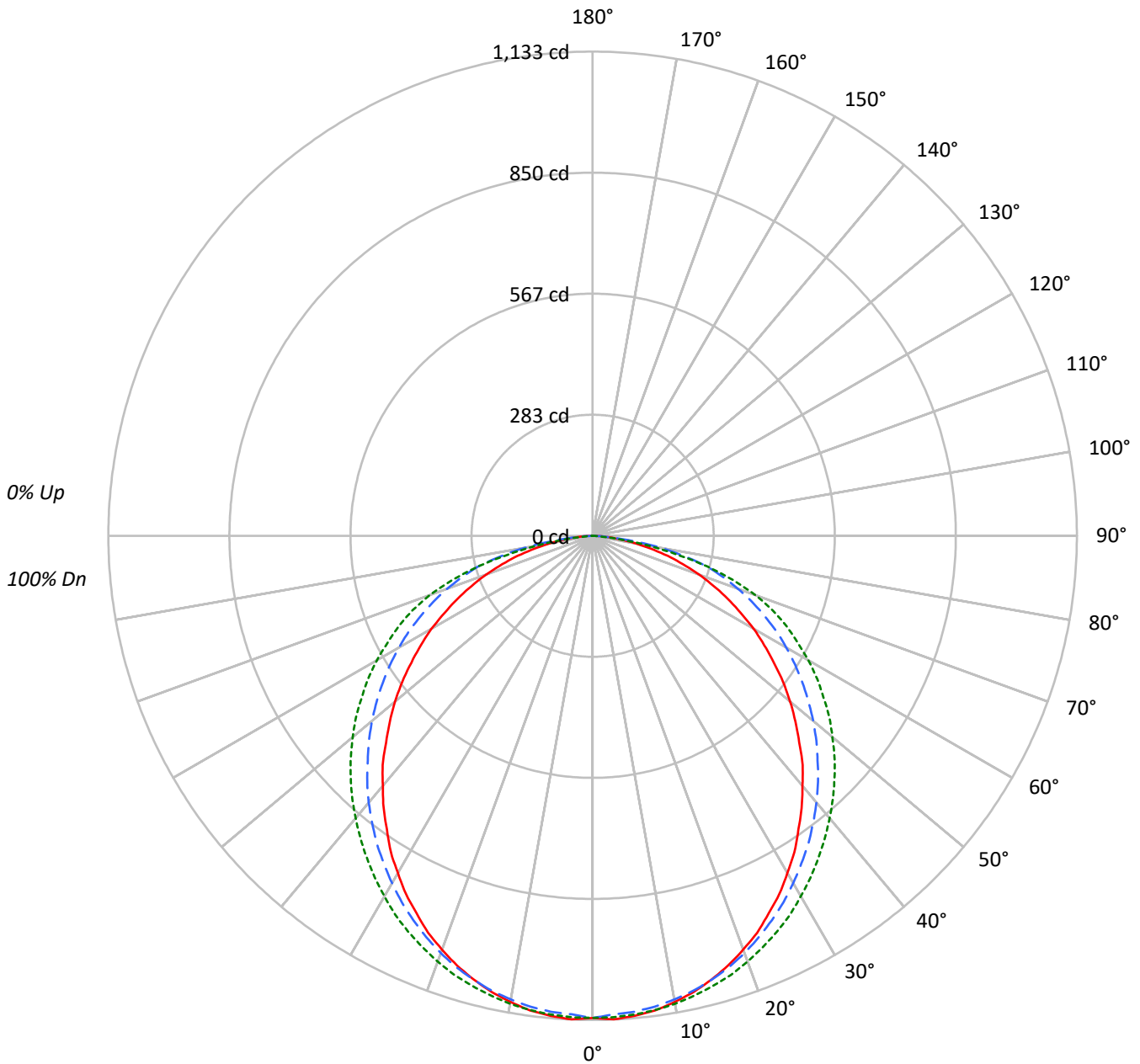
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3275.0 lumens  
Efficiency: N/A  
Efficacy: 117.0 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): 28  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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°	3185	3185	3185
5°	3195	3168	3187
10°	3175	3158	3188
15°	3141	3143	3186
20°	3095	3122	3185
25°	3036	3091	3182
30°	2970	3059	3176
35°	2892	3032	3173
40°	2814	3003	3178
45°	2729	2970	3195
50°	2648	2957	3216
55°	2548	2947	3245
60°	2457	2952	3290
65°	2331	2961	3341
70°	2189	2983	3338
75°	1982	3010	3019
80°	1627	2598	2147
85°	1205	1231	496



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	106.8	3.3
10°-20°	305.0	9.3
20°-30°	459.4	14.0
30°-40°	551.3	16.8
40°-50°	574.6	17.5
50°-60°	531.9	16.2
60°-70°	429.8	13.1
70°-80°	262.1	8.0
80°-90°	54.1	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°	871.2	26.6
0°-40°	1422.5	43.4
0°-60°	2529.1	77.2
0°-90°	3275.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3275.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1128	1128	1128	1128	1128	
5°	1128	1125	1118	1126	1125	107
15°	1075	1076	1076	1090	1090	303
25°	975	981	992	1017	1022	449
35°	839	852	880	912	921	526
45°	684	704	744	786	800	528
55°	518	545	599	646	659	464
65°	349	383	443	488	500	345
75°	182	222	276	280	277	191
85°	37	56	38	21	15	46
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1128.3	1128.3	1128.3	1128.3	1128.3
2.5°	1132.7	1129.1	1121.0	1129.1	1127.5
5°	1127.5	1124.6	1118.0	1126.1	1124.6
7.5°	1120.2	1117.2	1111.4	1121.0	1119.4
10°	1107.8	1106.4	1101.9	1113.0	1112.2
12.5°	1093.3	1092.5	1090.3	1102.7	1101.9
15°	1075.0	1075.6	1075.6	1090.3	1090.3
17.5°	1054.5	1055.9	1058.9	1075.0	1077.2
20°	1030.4	1033.4	1039.2	1057.5	1060.3
22.5°	1005.6	1007.8	1016.5	1038.4	1041.4
25°	974.9	980.7	992.4	1017.3	1021.7
27.5°	945.7	950.7	966.8	992.4	999.8
30°	911.3	919.4	938.5	966.2	974.3
32.5°	878.6	887.2	909.1	941.3	948.5
35°	839.2	852.2	880.0	912.1	920.8
37.5°	803.4	815.6	847.2	882.2	892.4
40°	763.8	779.3	815.0	852.2	862.5
42.5°	727.4	741.9	780.7	818.7	832.5
45°	683.6	704.1	744.1	785.7	800.4
47.5°	643.3	663.9	709.9	754.3	767.6
50°	603.1	625.0	673.3	719.3	732.4
52.5°	561.5	585.0	636.7	682.7	698.2
55°	517.7	544.8	598.9	645.6	659.4
57.5°	476.1	503.8	561.5	609.0	622.8
60°	435.3	463.8	522.9	568.2	582.8
62.5°	390.0	423.6	484.9	529.4	540.4
65°	349.0	383.4	443.3	487.7	500.2
67.5°	306.0	343.2	403.1	443.9	455.8
70°	265.2	303.8	361.5	399.5	404.5
72.5°	221.4	260.8	319.1	343.2	343.2
75°	181.7	222.0	276.0	280.5	276.8
77.5°	138.7	183.4	218.3	209.5	200.8
80°	100.1	143.9	159.8	143.9	132.1
82.5°	67.1	104.3	96.3	76.6	68.0
85°	37.2	55.5	38.0	21.1	15.3
87.5°	13.9	12.5	3.6	3.6	3.6
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)