

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: P842821

Luminaire Tested: **14CZ2-25-S-UNV-B35**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P842821
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P275670)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 1/5/2024
Manufacturer:
Product Line:
Catalog Number: 14CZ2-25-S-UNV-B35
Description: 1X4 2500 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3500K CCT AND SMOOTH LENS

Light Source: -
Ballast/Driver: -

Summary

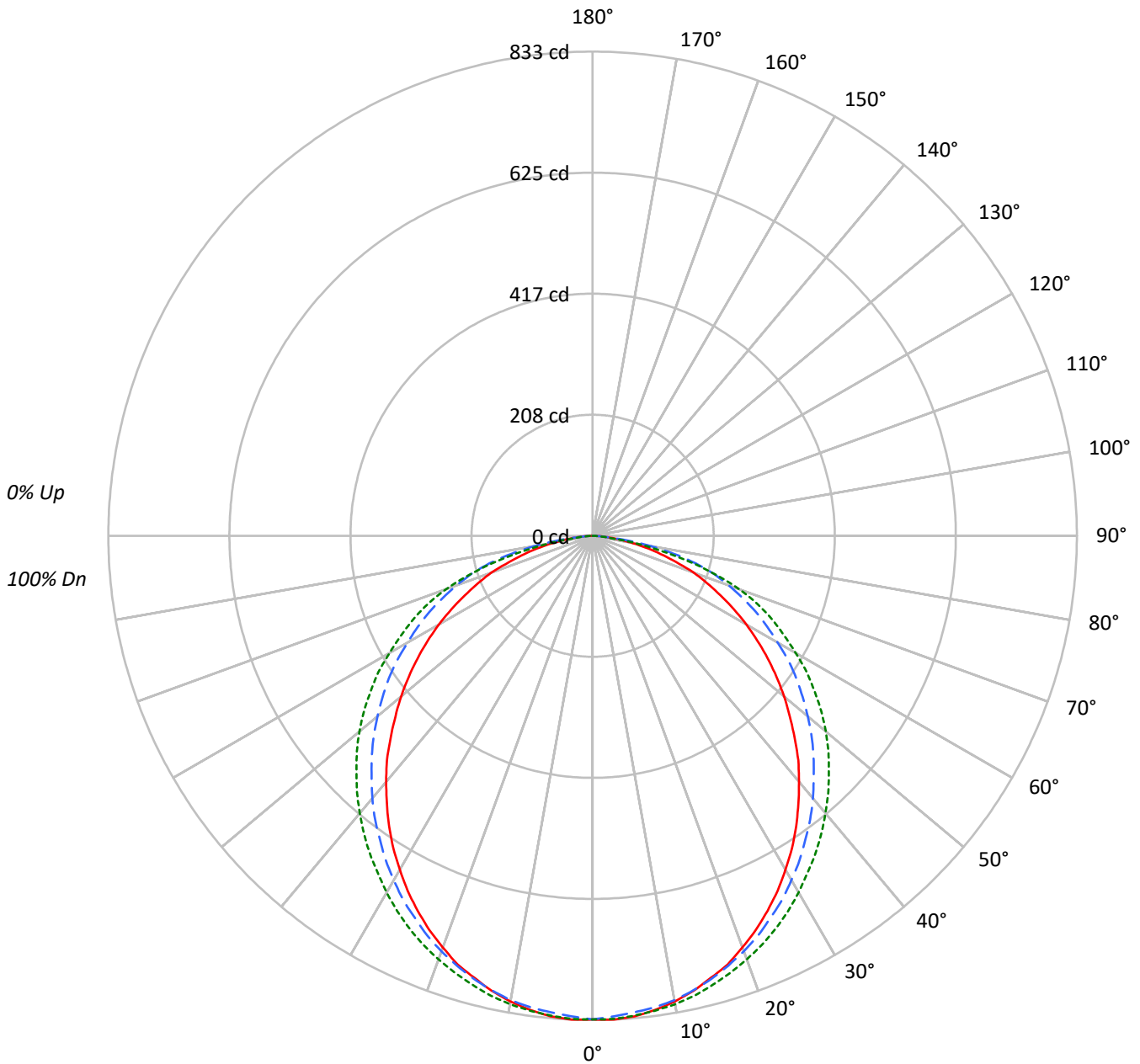
Lumens per Lamp: N/A
Luminaire Lumens: 2331.0 lumens
Efficiency: N/A
Efficacy: 122.7 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.36
Luminous Opening: Rectangular (W 0.96' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 19
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

TEST NUMBER: P842821

CATALOG NUMBER: 14CZ2-25-S-UNV-B35

Luminous Intensity Polar Plot





TEST NUMBER: P842821

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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	100	96	106	102	98	94	97	94	91	94	91	89	90	88	86	84																			
2	99	90	84	78	96	89	82	77	85	80	75	82	77	73	79	75	72	70																			
3	90	79	71	65	87	78	70	64	75	68	63	72	66	62	69	65	61	58																			
4	82	70	61	55	80	69	61	54	66	59	53	64	58	53	62	56	52	50																			
5	76	63	54	47	74	62	53	47	59	52	46	57	51	46	56	50	45	43																			
6	70	56	47	41	68	55	47	41	54	46	40	52	45	40	50	44	40	38																			
7	65	51	42	36	63	50	42	36	49	41	36	47	41	35	46	40	35	33																			
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	32	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	52	39	31	26	38	31	26	37	31	26	36	30	26	24																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2349	2349	2349
5°	2351	2332	2348
10°	2332	2325	2345
15°	2300	2307	2337
20°	2263	2284	2329
25°	2217	2257	2322
30°	2162	2230	2309
35°	2103	2198	2302
40°	2035	2172	2296
45°	1960	2145	2293
50°	1888	2121	2299
55°	1809	2105	2292
60°	1723	2075	2277
65°	1621	2068	2278
70°	1527	2051	2213
75°	1324	2005	1890
80°	1071	1616	1260
85°	713	560	376



TEST NUMBER: P842821

CATALOG NUMBER: 14CZ2-25-S-UNV-B35

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.6	3.4
10°-20°	223.6	9.6
20°-30°	335.4	14.4
30°-40°	400.1	17.2
40°-50°	413.6	17.7
50°-60°	377.6	16.2
60°-70°	297.2	12.7
70°-80°	173.0	7.4
80°-90°	31.9	1.4
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°	637.6	27.4
0°-40°	1037.7	44.5
0°-60°	1829.0	78.5
0°-90°	2331.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2331.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	832	832	832	832	832	
5°	830	828	823	830	829	79
15°	787	788	789	800	800	222
25°	712	715	725	742	746	328
35°	610	618	638	662	668	381
45°	491	507	537	568	574	379
55°	368	387	428	459	466	329
65°	243	268	310	334	341	241
75°	121	150	184	180	173	129
85°	22	31	17	14	12	28
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	832.1	832.1	832.1	832.1	832.1
2.5°	833.3	831.0	827.5	833.3	832.1
5°	829.9	827.5	822.9	829.9	828.6
7.5°	822.9	820.5	818.3	825.2	824.1
10°	813.6	812.5	811.3	819.4	818.3
12.5°	802.1	802.1	801.0	810.2	810.2
15°	787.1	788.2	789.4	799.7	799.7
17.5°	773.2	772.1	775.5	787.1	788.2
20°	753.5	755.8	760.5	774.4	775.5
22.5°	733.9	736.3	744.3	758.2	761.6
25°	711.9	715.4	724.6	741.9	745.5
27.5°	688.8	693.5	706.1	724.6	728.0
30°	663.3	670.3	684.1	705.0	708.5
32.5°	638.0	644.9	662.2	683.0	687.7
35°	610.2	618.3	638.0	662.2	668.0
37.5°	581.3	591.7	614.9	639.1	646.1
40°	552.4	564.1	589.4	614.9	623.0
42.5°	523.6	535.2	562.8	591.7	599.9
45°	491.1	507.4	537.4	567.5	574.4
47.5°	460.0	477.4	510.8	540.8	550.2
50°	429.9	447.2	483.1	514.3	523.6
52.5°	398.8	417.2	455.3	487.7	495.8
55°	367.5	387.2	427.7	458.8	465.8
57.5°	336.3	357.2	398.8	428.8	436.9
60°	305.2	327.1	367.5	397.5	403.3
62.5°	273.9	297.0	338.6	365.2	371.0
65°	242.7	268.1	309.7	334.1	341.0
67.5°	212.7	238.1	278.6	301.6	307.4
70°	185.0	208.0	248.5	265.8	268.1
72.5°	150.3	179.1	218.4	227.7	221.9
75°	121.4	150.3	183.8	180.3	173.3
77.5°	92.5	121.4	143.3	131.7	122.5
80°	65.9	94.7	99.4	82.0	77.5
82.5°	42.8	65.9	55.5	42.8	34.7
85°	22.0	31.2	17.3	13.9	11.6
87.5°	6.9	4.7	2.3	2.3	1.1
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)