

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: P842863

Luminaire Tested: **14CZ2-39-RDP-UNV-B35**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P842863
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P275838)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 1/5/2024
Manufacturer:
Product Line:
Catalog Number: 14CZ2-39-RDP-UNV-B35
Description: 1X4 3900 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3500K CCT AND RDP LENS

Light Source: -
Ballast/Driver: -

Summary

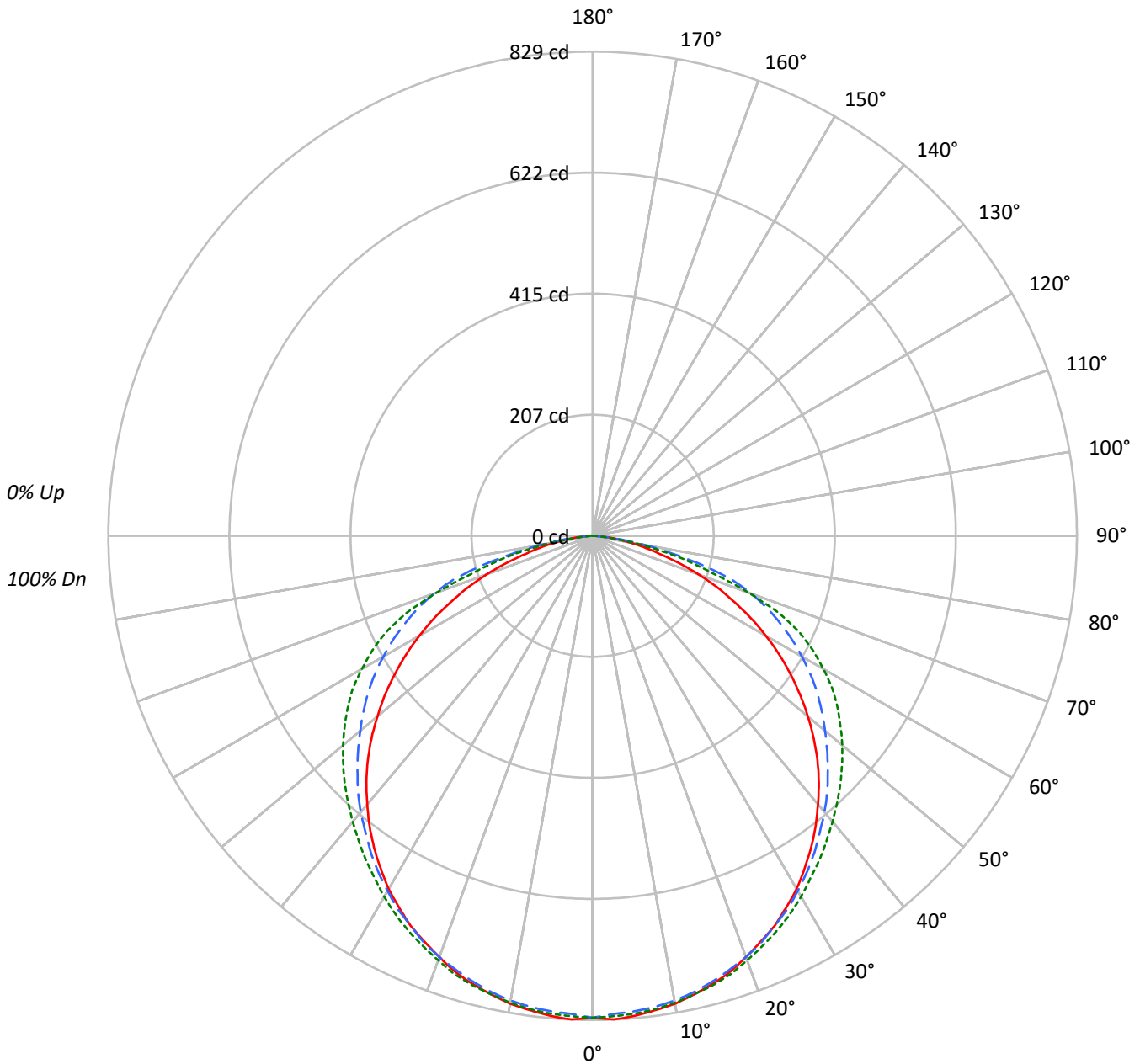
Lumens per Lamp: N/A
Luminaire Lumens: 2464.0 lumens
Efficiency: N/A
Efficacy: 79.5 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.28 / 1.4
Luminous Opening: Rectangular (W 0.96' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 31
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									
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	93	91	88	90	88	86	84																			
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	71	66	61	69	64	60	58																			
4	82	70	61	54	80	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	50	42	35	62	50	41	35	48	40	35	47	40	35	45	39	34	32																			
8	60	46	37	31	58	45	37	31	44	36	31	43	36	31	41	35	31	29																			
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26																			
10	52	39	31	25	51	38	31	25	37	30	25	36	30	25	35	29	25	23																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2330	2330	2330
5°	2338	2316	2328
10°	2332	2316	2327
15°	2321	2310	2328
20°	2305	2305	2323
25°	2295	2295	2324
30°	2276	2289	2326
35°	2247	2281	2334
40°	2211	2275	2354
45°	2173	2273	2396
50°	2112	2281	2450
55°	2035	2310	2518
60°	1933	2335	2574
65°	1786	2364	2608
70°	1588	2382	2333
75°	1280	2140	1867
80°	1000	1502	1219
85°	687	434	314



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.1	3.2
10°-20°	224.1	9.1
20°-30°	341.2	13.8
30°-40°	415.7	16.9
40°-50°	440.9	17.9
50°-60°	416.2	16.9
60°-70°	336.0	13.6
70°-80°	182.3	7.4
80°-90°	29.5	1.2
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°	643.5	26.1
0°-40°	1059.1	43.0
0°-60°	1916.2	77.8
0°-90°	2464.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2464.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	825	825	825	825	825	
5°	825	823	818	823	822	78
15°	794	792	791	796	796	224
25°	737	735	737	744	746	339
35°	652	656	662	675	677	408
45°	544	552	569	591	600	419
55°	414	431	470	500	512	369
65°	267	300	354	383	390	265
75°	117	171	196	177	171	128
85°	21	23	13	12	10	27
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	825.3	825.3	825.3	825.3	825.3
2.5°	829.0	825.3	819.4	825.3	823.4
5°	825.3	823.4	817.5	823.4	821.5
7.5°	819.4	819.4	813.7	817.5	817.5
10°	813.7	811.8	808.1	813.7	811.8
12.5°	804.0	802.2	800.3	805.9	804.0
15°	794.4	792.5	790.6	796.5	796.5
17.5°	782.8	780.9	779.0	786.8	786.8
20°	767.5	767.5	767.5	775.3	773.4
22.5°	752.2	752.2	754.1	761.8	760.0
25°	736.8	735.0	736.8	744.4	746.3
27.5°	717.5	719.4	721.3	729.1	730.9
30°	698.4	700.3	702.2	711.8	713.7
32.5°	675.3	679.1	682.8	694.4	694.4
35°	652.2	656.0	661.9	675.3	677.2
37.5°	627.2	631.0	638.8	654.1	657.9
40°	600.1	606.0	617.5	632.9	638.8
42.5°	573.2	581.0	594.4	611.6	619.4
45°	544.4	552.0	569.4	590.7	600.1
47.5°	513.5	523.2	544.4	571.3	579.1
50°	481.0	494.5	519.4	548.2	557.9
52.5°	448.2	463.6	494.5	525.1	534.8
55°	413.6	430.8	469.5	500.1	511.7
57.5°	378.9	398.2	442.3	475.1	486.7
60°	342.4	365.5	413.6	446.3	456.0
62.5°	305.8	332.7	384.8	417.3	425.1
65°	267.4	300.2	353.9	382.9	390.5
67.5°	230.8	269.3	323.3	344.3	344.3
70°	192.4	234.6	288.6	294.3	282.7
72.5°	154.0	202.1	250.2	229.0	219.3
75°	117.4	171.2	196.2	177.1	171.2
77.5°	88.4	138.4	138.4	126.9	123.1
80°	61.5	105.9	92.4	80.9	75.0
82.5°	40.3	59.7	48.1	38.4	32.8
85°	21.2	23.1	13.4	11.6	9.7
87.5°	7.8	3.8	1.9	3.8	1.9
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)