

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: P842812

Luminaire Tested: **14CZ2-20-UNV-B35**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P842812
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: 14CZ2-20-UNV-B35
Description: 1X4 2000 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3500K CCT AND RIBBED LENS

Light Source: -
Ballast/Driver: -

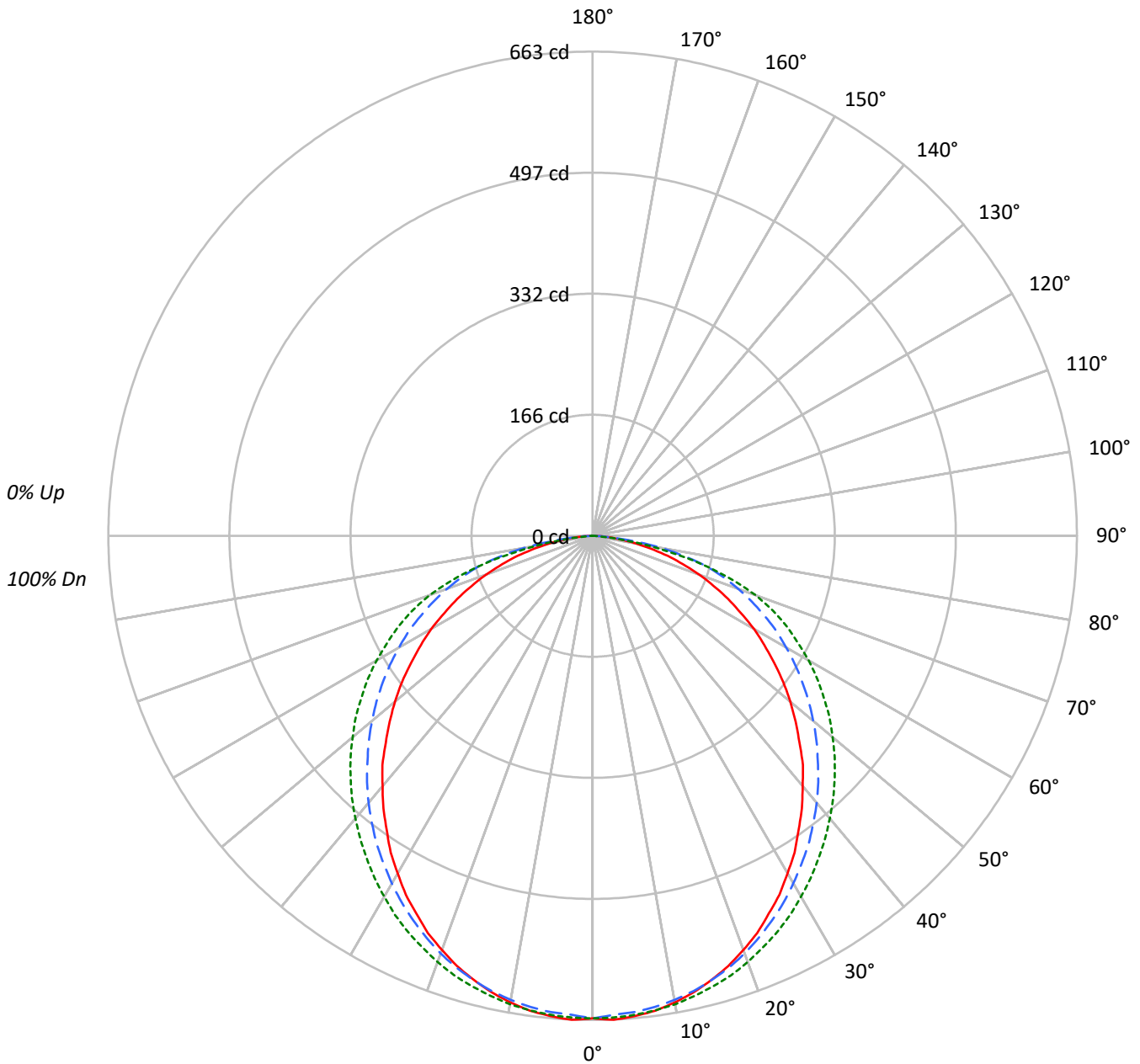
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1918.0 lumens
Efficiency: N/A
Efficacy: 119.9 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): 16
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	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°	1865	1865	1865
5°	1871	1855	1866
10°	1860	1850	1867
15°	1840	1841	1866
20°	1813	1828	1865
25°	1778	1810	1864
30°	1740	1791	1860
35°	1694	1776	1858
40°	1648	1759	1861
45°	1598	1740	1871
50°	1551	1731	1883
55°	1492	1726	1901
60°	1439	1729	1927
65°	1365	1734	1956
70°	1282	1747	1955
75°	1160	1763	1768
80°	953	1521	1258
85°	706	722	288



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.5	3.3
10°-20°	178.6	9.3
20°-30°	269.1	14.0
30°-40°	322.9	16.8
40°-50°	336.5	17.5
50°-60°	311.5	16.2
60°-70°	251.7	13.1
70°-80°	153.5	8.0
80°-90°	31.7	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°	510.2	26.6
0°-40°	833.1	43.4
0°-60°	1481.1	77.2
0°-90°	1918.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1918.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	661	661	661	661	661	
5°	660	659	655	660	659	63
15°	630	630	630	638	638	177
25°	571	574	581	596	598	263
35°	492	499	515	534	539	308
45°	400	412	436	460	469	309
55°	303	319	351	378	386	272
65°	204	224	260	286	293	202
75°	106	130	162	164	162	112
85°	22	32	22	12	9	27
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	660.8	660.8	660.8	660.8	660.8
2.5°	663.4	661.2	656.5	661.2	660.3
5°	660.3	658.6	654.8	659.5	658.6
7.5°	656.1	654.3	650.9	656.5	655.6
10°	648.8	647.9	645.3	651.8	651.3
12.5°	640.3	639.8	638.5	645.8	645.3
15°	629.6	629.9	629.9	638.5	638.5
17.5°	617.6	618.4	620.1	629.6	630.9
20°	603.4	605.2	608.6	619.3	621.0
22.5°	588.9	590.2	595.3	608.1	609.9
25°	570.9	574.3	581.2	595.8	598.4
27.5°	553.9	556.8	566.2	581.2	585.5
30°	533.7	538.4	549.6	565.9	570.6
32.5°	514.5	519.6	532.4	551.3	555.5
35°	491.5	499.1	515.4	534.2	539.3
37.5°	470.5	477.7	496.2	516.7	522.7
40°	447.3	456.4	477.3	499.1	505.1
42.5°	426.0	434.5	457.2	479.4	487.6
45°	400.3	412.3	435.8	460.1	468.7
47.5°	376.8	388.8	415.7	441.8	449.5
50°	353.2	366.1	394.3	421.3	428.9
52.5°	328.9	342.6	372.9	399.9	408.9
55°	303.2	319.1	350.8	378.1	386.2
57.5°	278.8	295.1	328.9	356.6	364.8
60°	254.9	271.6	306.2	332.7	341.3
62.5°	228.4	248.1	284.0	310.0	316.5
65°	204.4	224.5	259.6	285.6	292.9
67.5°	179.2	201.0	236.1	260.0	266.9
70°	155.3	177.9	211.7	234.0	236.9
72.5°	129.6	152.7	186.9	201.0	201.0
75°	106.4	130.0	161.7	164.2	162.1
77.5°	81.2	107.4	127.9	122.7	117.6
80°	58.6	84.3	93.6	84.3	77.4
82.5°	39.3	61.1	56.4	44.9	39.8
85°	21.8	32.5	22.3	12.4	8.9
87.5°	8.1	7.3	2.1	2.1	2.1
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)