

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: METALUX

Report Number: P731802

Luminaire Tested: **14CZ2-20-S-B2750-W2D-3000K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P731802
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P275670)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 1/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 14CZ2-20-S-B2750-W2D-3000K
Description: 1X4 2000 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3000K CCT AND SMOOTH LENS

Light Source: -
Ballast/Driver: -

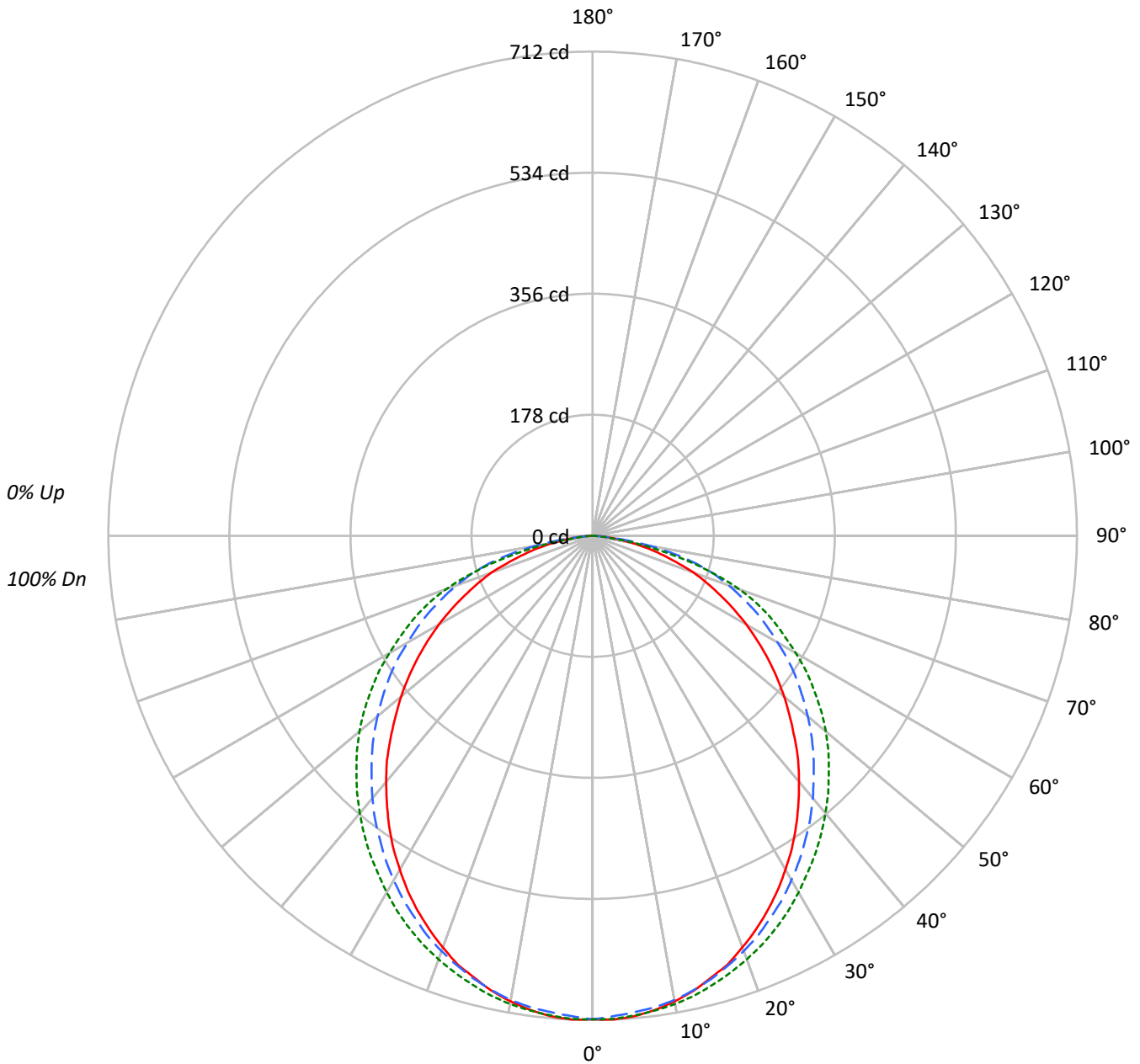
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1992.0 lumens
Efficiency: N/A
Efficacy: 124.5 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): 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

TEST NUMBER: P731802
CATALOG NUMBER: 14CZ2-20-S-B2750-W2D-3000K

Luminous Intensity Polar Plot





TEST NUMBER: P731802

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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°	2007	2007	2007
5°	2009	1993	2006
10°	1993	1987	2004
15°	1966	1971	1997
20°	1934	1952	1991
25°	1895	1929	1984
30°	1848	1906	1974
35°	1797	1879	1967
40°	1740	1856	1962
45°	1675	1833	1960
50°	1613	1813	1965
55°	1545	1799	1959
60°	1472	1773	1946
65°	1385	1768	1946
70°	1305	1753	1891
75°	1131	1713	1615
80°	915	1382	1076
85°	609	479	321



TEST NUMBER: P731802

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.1	3.4
10°-20°	191.1	9.6
20°-30°	286.6	14.4
30°-40°	341.9	17.2
40°-50°	353.5	17.7
50°-60°	322.7	16.2
60°-70°	254.0	12.7
70°-80°	147.8	7.4
80°-90°	27.2	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°	544.9	27.4
0°-40°	886.8	44.5
0°-60°	1563.0	78.5
0°-90°	1992.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1992.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	711	711	711	711	711	
5°	709	707	703	709	708	67
15°	673	674	675	683	683	190
25°	608	611	619	634	637	280
35°	522	528	545	566	571	326
45°	420	434	459	485	491	324
55°	314	331	366	392	398	281
65°	207	229	265	286	291	206
75°	104	128	157	154	148	110
85°	19	27	15	12	10	24
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	711.1	711.1	711.1	711.1	711.1
2.5°	712.1	710.1	707.1	712.1	711.1
5°	709.2	707.1	703.3	709.2	708.1
7.5°	703.3	701.2	699.3	705.2	704.2
10°	695.3	694.3	693.3	700.2	699.3
12.5°	685.5	685.5	684.5	692.4	692.4
15°	672.6	673.6	674.6	683.4	683.4
17.5°	660.8	659.8	662.7	672.6	673.6
20°	644.0	645.9	649.9	661.7	662.7
22.5°	627.1	629.2	636.1	647.9	650.8
25°	608.4	611.4	619.3	634.0	637.1
27.5°	588.6	592.6	603.4	619.3	622.2
30°	566.9	572.8	584.7	602.4	605.5
32.5°	545.2	551.1	565.9	583.7	587.7
35°	521.5	528.4	545.2	565.9	570.9
37.5°	496.8	505.6	525.5	546.2	552.1
40°	472.1	482.0	503.7	525.5	532.4
42.5°	447.4	457.3	480.9	505.6	512.6
45°	419.7	433.6	459.3	484.9	490.9
47.5°	393.1	408.0	436.5	462.2	470.2
50°	367.4	382.2	412.8	439.5	447.4
52.5°	340.8	356.5	389.1	416.8	423.7
55°	314.0	330.9	365.5	392.1	398.0
57.5°	287.4	305.2	340.8	366.5	373.3
60°	260.8	279.6	314.0	339.7	344.7
62.5°	234.1	253.8	289.4	312.1	317.1
65°	207.4	229.1	264.7	285.5	291.4
67.5°	181.8	203.4	238.0	257.8	262.7
70°	158.1	177.8	212.4	227.2	229.1
72.5°	128.4	153.1	186.6	194.6	189.6
75°	103.7	128.4	157.1	154.1	148.1
77.5°	79.0	103.7	122.5	112.5	104.7
80°	56.3	81.0	85.0	70.1	66.2
82.5°	36.5	56.3	47.4	36.5	29.7
85°	18.8	26.6	14.8	11.9	9.9
87.5°	5.9	4.0	1.9	1.9	1.0
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)