

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: P731787

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

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P731787
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P275502)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 1/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 14CZ2-20-B2750-W2D-3000K
Description: 1X4 2000 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3000K CCT AND RIBBED LENS

Light Source: -
Ballast/Driver: -

Summary

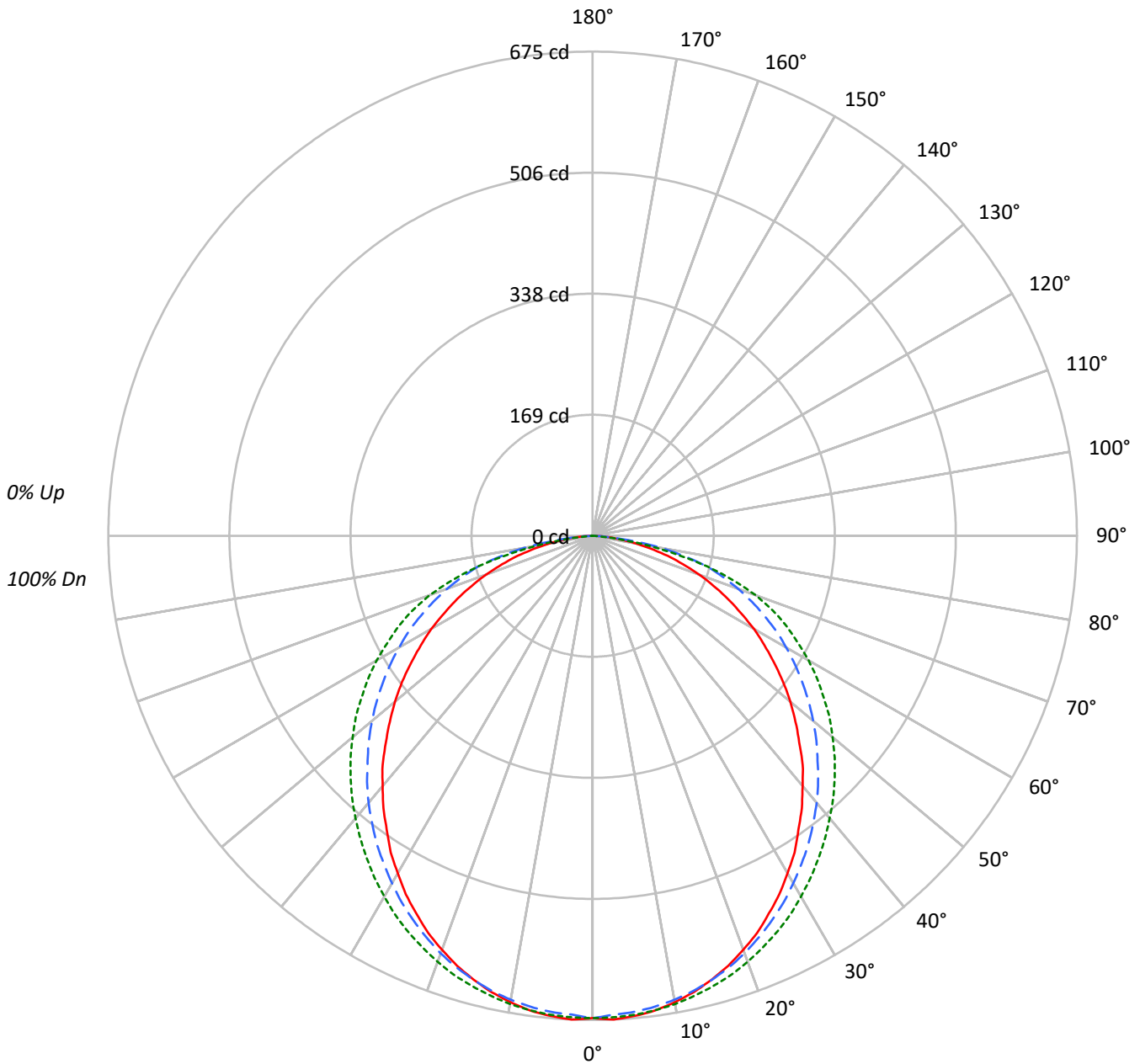
Lumens per Lamp: N/A
Luminaire Lumens: 1952.0 lumens
Efficiency: N/A
Efficacy: 122.0 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.37
Luminous Opening: Rectangular (W 0.96' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 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				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°	1898	1898	1898
5°	1904	1888	1899
10°	1893	1883	1900
15°	1872	1873	1899
20°	1845	1861	1898
25°	1810	1842	1897
30°	1770	1823	1893
35°	1724	1807	1891
40°	1677	1790	1894
45°	1626	1770	1904
50°	1579	1762	1917
55°	1519	1757	1934
60°	1464	1760	1961
65°	1389	1765	1991
70°	1305	1779	1990
75°	1181	1794	1799
80°	970	1549	1279
85°	719	732	295



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.6	3.3
10°-20°	181.8	9.3
20°-30°	273.8	14.0
30°-40°	328.6	16.8
40°-50°	342.5	17.5
50°-60°	317.1	16.2
60°-70°	256.2	13.1
70°-80°	156.2	8.0
80°-90°	32.2	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°	519.2	26.6
0°-40°	847.9	43.4
0°-60°	1507.4	77.2
0°-90°	1952.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1952.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	672	672	672	672	672	
5°	672	670	666	671	670	64
15°	641	641	641	650	650	181
25°	581	584	592	606	609	268
35°	500	508	524	544	549	313
45°	407	420	444	468	477	315
55°	309	325	357	385	393	276
65°	208	228	264	291	298	206
75°	108	132	164	167	165	114
85°	22	33	23	13	9	27
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	672.5	672.5	672.5	672.5	672.5
2.5°	675.1	673.0	668.2	673.0	672.0
5°	672.0	670.3	666.4	671.2	670.3
7.5°	667.7	665.9	662.4	668.2	667.2
10°	660.3	659.4	656.8	663.4	662.9
12.5°	651.6	651.2	649.8	657.3	656.8
15°	640.7	641.1	641.1	649.8	649.8
17.5°	628.5	629.3	631.1	640.7	642.0
20°	614.1	615.9	619.4	630.3	632.0
22.5°	599.4	600.7	605.9	618.9	620.7
25°	581.1	584.5	591.5	606.3	609.0
27.5°	563.7	566.7	576.3	591.5	595.9
30°	543.2	548.0	559.4	575.9	580.7
32.5°	523.7	528.8	541.9	561.0	565.4
35°	500.2	508.0	524.5	543.7	548.8
37.5°	478.8	486.1	505.0	525.8	531.9
40°	455.2	464.5	485.8	508.0	514.1
42.5°	433.5	442.2	465.3	487.9	496.2
45°	407.4	419.6	443.5	468.3	477.0
47.5°	383.5	395.7	423.1	449.6	457.5
50°	359.5	372.5	401.3	428.7	436.5
52.5°	334.7	348.7	379.5	406.9	416.2
55°	308.6	324.7	357.0	384.8	393.0
57.5°	283.8	300.3	334.7	363.0	371.2
60°	259.4	276.4	311.7	338.6	347.4
62.5°	232.5	252.5	289.0	315.5	322.1
65°	208.0	228.5	264.2	290.7	298.1
67.5°	182.4	204.5	240.3	264.6	271.7
70°	158.1	181.1	215.5	238.1	241.1
72.5°	131.9	155.4	190.2	204.5	204.5
75°	108.3	132.3	164.5	167.2	165.0
77.5°	82.7	109.3	130.1	124.9	119.7
80°	59.7	85.8	95.3	85.8	78.7
82.5°	40.0	62.2	57.4	45.7	40.5
85°	22.2	33.1	22.6	12.6	9.1
87.5°	8.3	7.4	2.2	2.2	2.2
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)