

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: P731786

Luminaire Tested: **14CZ2-20-B2750-W2D-2700K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P731786
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-2700K
Description: 1X4 2000 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 2700K CCT AND RIBBED LENS

Light Source: -
Ballast/Driver: -

Summary

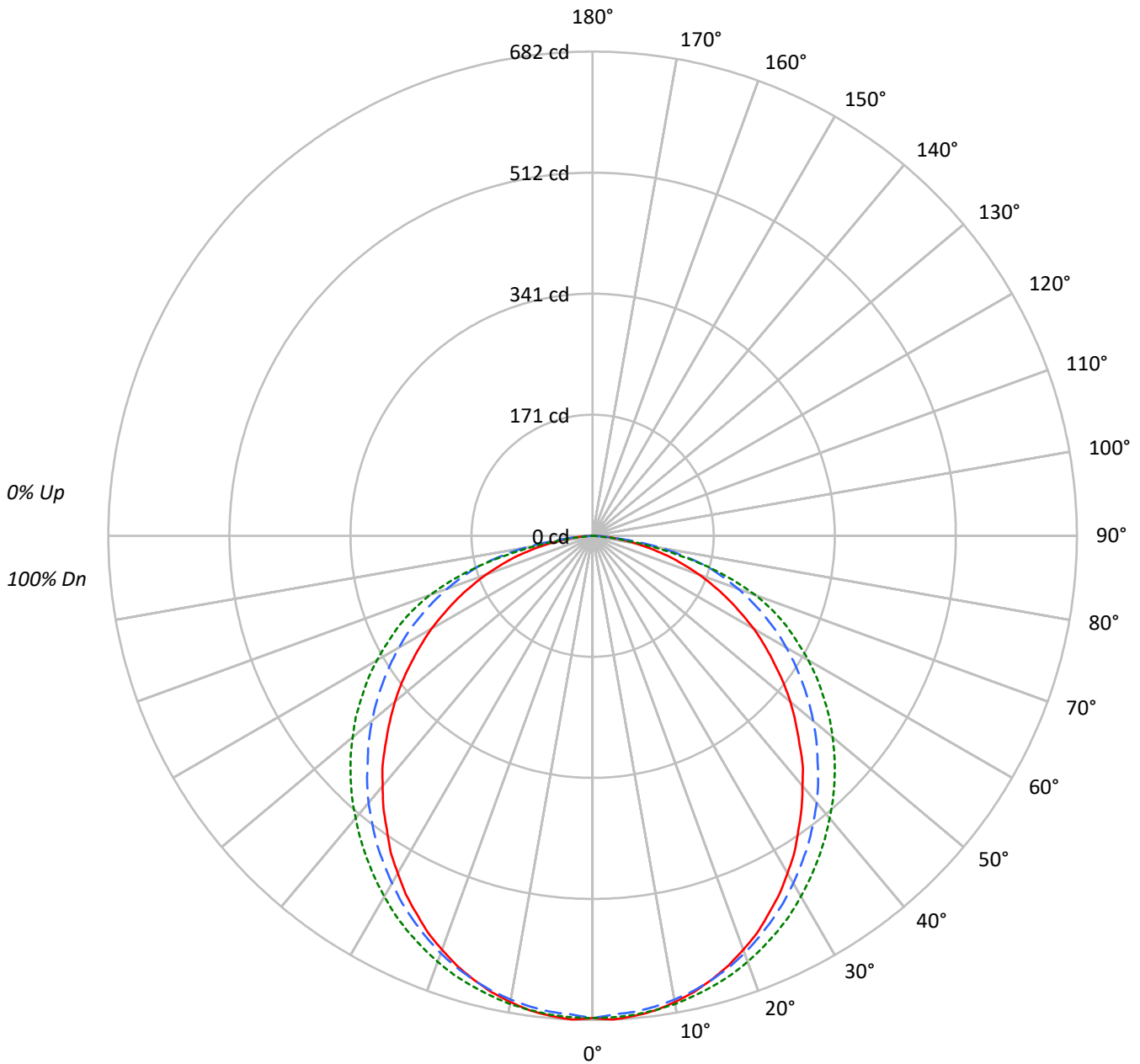
Lumens per Lamp: N/A
Luminaire Lumens: 1972.0 lumens
Efficiency: N/A
Efficacy: 123.2 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.37
Luminous Opening: Rectangular (W 0.96' x L: 3.98' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P731786

CATALOG NUMBER: 14CZ2-20-B2750-W2D-2700K

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°	1918	1918	1918
5°	1924	1907	1919
10°	1912	1902	1920
15°	1892	1893	1918
20°	1864	1879	1918
25°	1828	1861	1916
30°	1789	1842	1912
35°	1741	1826	1910
40°	1695	1808	1913
45°	1643	1788	1924
50°	1595	1780	1937
55°	1534	1775	1954
60°	1480	1778	1981
65°	1404	1783	2012
70°	1318	1797	2010
75°	1193	1813	1818
80°	980	1564	1292
85°	725	742	298



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.3	3.3
10°-20°	183.6	9.3
20°-30°	276.6	14.0
30°-40°	332.0	16.8
40°-50°	346.0	17.5
50°-60°	320.3	16.2
60°-70°	258.8	13.1
70°-80°	157.8	8.0
80°-90°	32.6	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°	524.6	26.6
0°-40°	856.5	43.4
0°-60°	1522.8	77.2
0°-90°	1972.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1972.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	679	679	679	679	679	
5°	679	677	673	678	677	64
15°	647	648	648	656	656	182
25°	587	590	598	612	615	271
35°	505	513	530	549	554	317
45°	412	424	448	473	482	318
55°	312	328	361	389	397	279
65°	210	231	267	294	301	208
75°	109	134	166	169	167	115
85°	22	33	23	13	9	28
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	679.4	679.4	679.4	679.4	679.4
2.5°	682.0	679.9	675.0	679.9	678.9
5°	678.9	677.2	673.2	678.0	677.2
7.5°	674.5	672.7	669.2	675.0	674.0
10°	667.0	666.2	663.5	670.2	669.7
12.5°	658.3	657.8	656.5	664.0	663.5
15°	647.3	647.7	647.7	656.5	656.5
17.5°	634.9	635.8	637.6	647.3	648.6
20°	620.4	622.2	625.7	636.8	638.5
22.5°	605.5	606.9	612.1	625.3	627.1
25°	587.0	590.5	597.5	612.5	615.2
27.5°	569.5	572.5	582.2	597.5	602.0
30°	548.8	553.6	565.1	581.8	586.6
32.5°	529.0	534.2	547.4	566.8	571.1
35°	505.3	513.2	529.9	549.2	554.4
37.5°	483.7	491.1	510.1	531.2	537.4
40°	459.9	469.2	490.8	513.2	519.3
42.5°	438.0	446.7	470.1	492.9	501.3
45°	411.6	423.9	448.0	473.1	481.9
47.5°	387.4	399.7	427.5	454.2	462.2
50°	363.2	376.4	405.4	433.1	441.0
52.5°	338.1	352.3	383.4	411.1	420.4
55°	311.7	328.1	360.6	388.7	397.1
57.5°	286.7	303.4	338.1	366.7	375.0
60°	262.1	279.3	314.9	342.1	350.9
62.5°	234.9	255.1	292.0	318.7	325.4
65°	210.2	230.9	266.9	293.7	301.2
67.5°	184.2	206.6	242.7	267.3	274.4
70°	159.7	182.9	217.7	240.5	243.6
72.5°	133.3	157.0	192.1	206.6	206.6
75°	109.4	133.6	166.2	168.9	166.7
77.5°	83.5	110.4	131.5	126.1	120.9
80°	60.3	86.7	96.2	86.7	79.5
82.5°	40.4	62.8	58.0	46.1	40.9
85°	22.4	33.4	22.9	12.7	9.2
87.5°	8.4	7.5	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)