

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: P731817

Luminaire Tested: **14CZ2-25-HRP-B2750-W2D-3000K**

Issue Date: 1/5/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P731817  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P294787)  
Test Lab: INNOVATIONS CENTER(G3)  
Issue Date: 1/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 14CZ2-25-HRP-B2750-W2D-3000K  
Description: 1X4 2500 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3000K CCT AND HRP LENS

Light Source: -  
Ballast/Driver: -

**Summary**

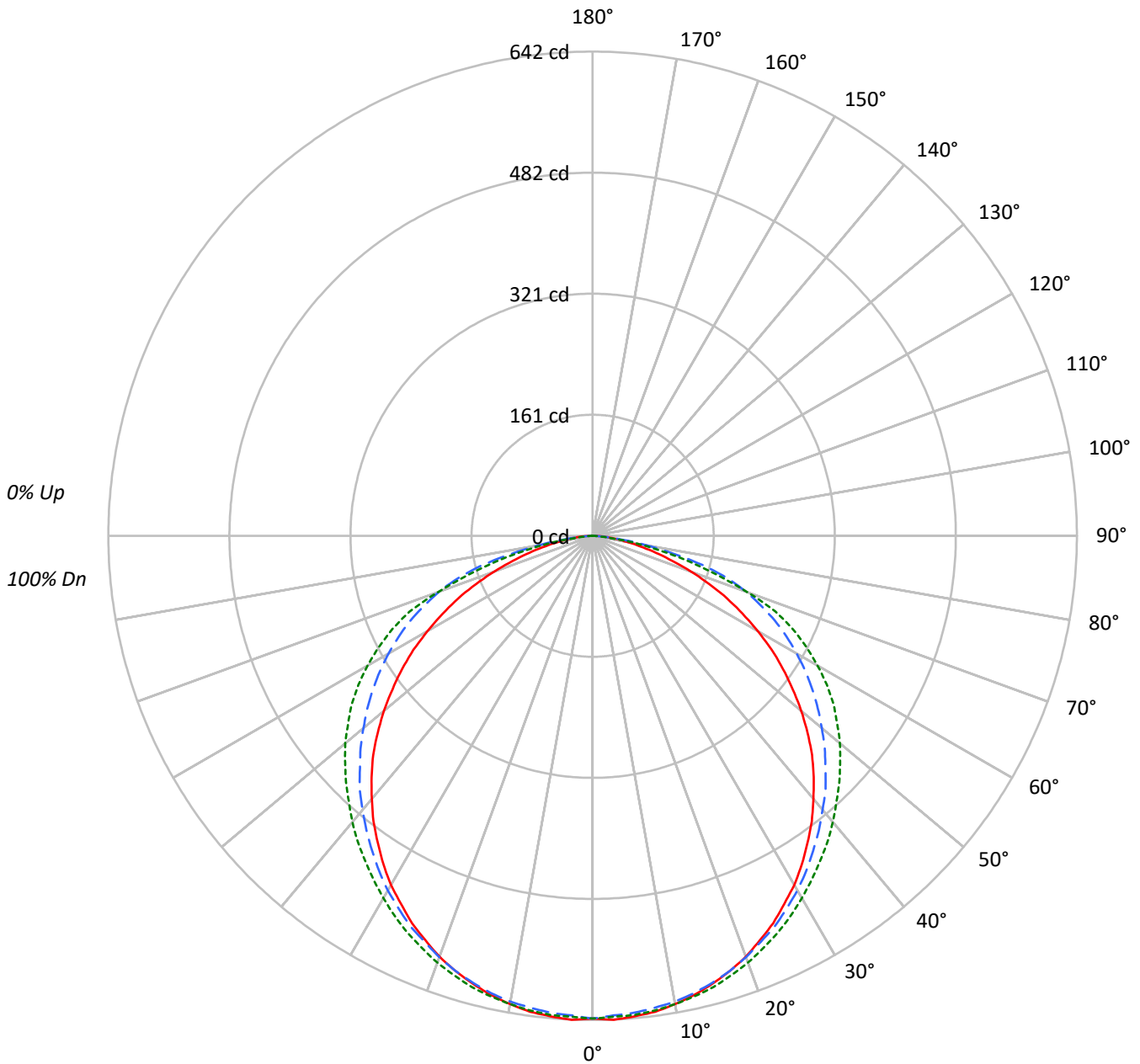
Lumens per Lamp: N/A  
Luminaire Lumens: 1885.1 lumens  
Efficiency: N/A  
Efficacy: 99.2 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.29 / 1.39  
Luminous Opening: Rectangular (W 0.96' x L: 3.98' x H: 0')  
CIE Type: Direct

Input Watts (W): 19  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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: P731817

CATALOG NUMBER: 14CZ2-25-HRP-B2750-W2D-3000K

### Luminous Intensity Polar Plot





TEST NUMBER: P731817

CATALOG NUMBER: 14CZ2-25-HRP-B2750-W2D-3000K

**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	78	96	88	82	77	85	79	75	82	77	73	78	75	71	69																			
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58																			
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49																			
5	75	62	53	46	73	61	53	46	59	51	46	57	50	45	55	49	45	42																			
6	69	56	47	40	68	55	46	40	53	45	40	51	45	39	50	44	39	37																			
7	64	51	42	36	63	50	41	35	48	41	35	47	40	35	45	39	35	33																			
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	36	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	38	31	26	37	30	26	37	30	25	36	30	25	24																			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	1807	1807	1807
5°	1812	1799	1807
10°	1807	1798	1807
15°	1796	1793	1810
20°	1784	1786	1809
25°	1765	1780	1809
30°	1742	1770	1808
35°	1712	1756	1812
40°	1678	1747	1826
45°	1642	1741	1845
50°	1585	1741	1879
55°	1517	1750	1919
60°	1425	1763	1944
65°	1314	1781	1956
70°	1146	1785	1800
75°	944	1662	1455
80°	741	1195	974
85°	580	463	230



TEST NUMBER: P731817

CATALOG NUMBER: 14CZ2-25-HRP-B2750-W2D-3000K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	60.6	3.2
10°-20°	173.9	9.2
20°-30°	264.1	14.0
30°-40°	320.0	17.0
40°-50°	337.2	17.9
50°-60°	314.8	16.7
60°-70°	251.6	13.3
70°-80°	138.5	7.3
80°-90°	24.5	1.3
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°	498.6	26.4
0°-40°	818.6	43.4
0°-60°	1470.6	78.0
0°-90°	1885.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1885.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	640	640	640	640	640	
5°	640	638	635	639	638	61
15°	615	615	614	619	619	173
25°	567	568	571	580	581	261
35°	497	502	510	523	526	311
45°	411	419	436	456	462	316
55°	308	324	356	381	390	275
65°	197	222	267	289	293	194
75°	87	124	152	137	133	93
85°	18	22	14	9	7	22
90°	0	0	0	0	0	



TEST NUMBER: P731817

CATALOG NUMBER: 14CZ2-25-HRP-B2750-W2D-3000K

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	640.1	640.1	640.1	640.1	640.1
2.5°	642.5	640.7	636.6	640.1	638.4
5°	639.6	637.8	634.8	639.0	637.8
7.5°	636.6	634.2	631.2	636.0	634.8
10°	630.6	628.8	627.2	631.2	630.6
12.5°	623.6	623.0	621.2	626.0	625.4
15°	614.7	614.7	613.5	619.4	619.4
17.5°	605.1	604.5	605.1	611.7	611.1
20°	593.9	593.9	594.5	602.3	602.3
22.5°	580.2	580.8	582.6	592.1	591.5
25°	566.7	567.8	571.4	579.6	580.8
27.5°	550.1	553.1	557.1	567.2	568.4
30°	534.6	536.4	542.9	552.5	554.7
32.5°	516.3	519.8	527.0	537.6	540.6
35°	496.7	501.5	509.7	522.8	525.8
37.5°	477.2	481.4	492.6	506.1	511.5
40°	455.3	462.3	474.2	489.6	495.5
42.5°	433.8	441.0	457.1	473.0	478.4
45°	411.3	419.1	436.2	455.9	462.3
47.5°	386.4	395.4	417.3	438.0	445.1
50°	360.9	372.2	396.5	419.7	428.0
52.5°	334.4	348.5	376.4	400.7	408.5
55°	308.3	323.6	355.7	380.6	390.0
57.5°	281.6	298.2	334.4	362.7	368.1
60°	252.5	272.7	312.3	337.2	344.4
62.5°	224.1	247.2	289.8	313.5	319.5
65°	196.8	221.7	266.7	288.6	292.8
67.5°	167.1	196.8	241.2	261.5	262.5
70°	138.8	173.1	216.3	225.8	218.1
72.5°	110.9	147.6	187.4	179.6	173.1
75°	86.6	123.9	152.4	137.0	133.4
77.5°	64.1	101.4	109.1	100.8	94.2
80°	45.6	80.0	73.5	62.9	59.9
82.5°	31.4	50.4	40.4	31.4	27.3
85°	17.9	22.5	14.3	8.9	7.1
87.5°	7.7	5.4	3.0	2.4	2.4
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)