

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: P731816

Luminaire Tested: **14CZ2-25-HRP-B2750-W2D-2700K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P731816
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-2700K
Description: 1X4 2500 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 2700K CCT AND HRP LENS

Light Source: -
Ballast/Driver: -

Summary

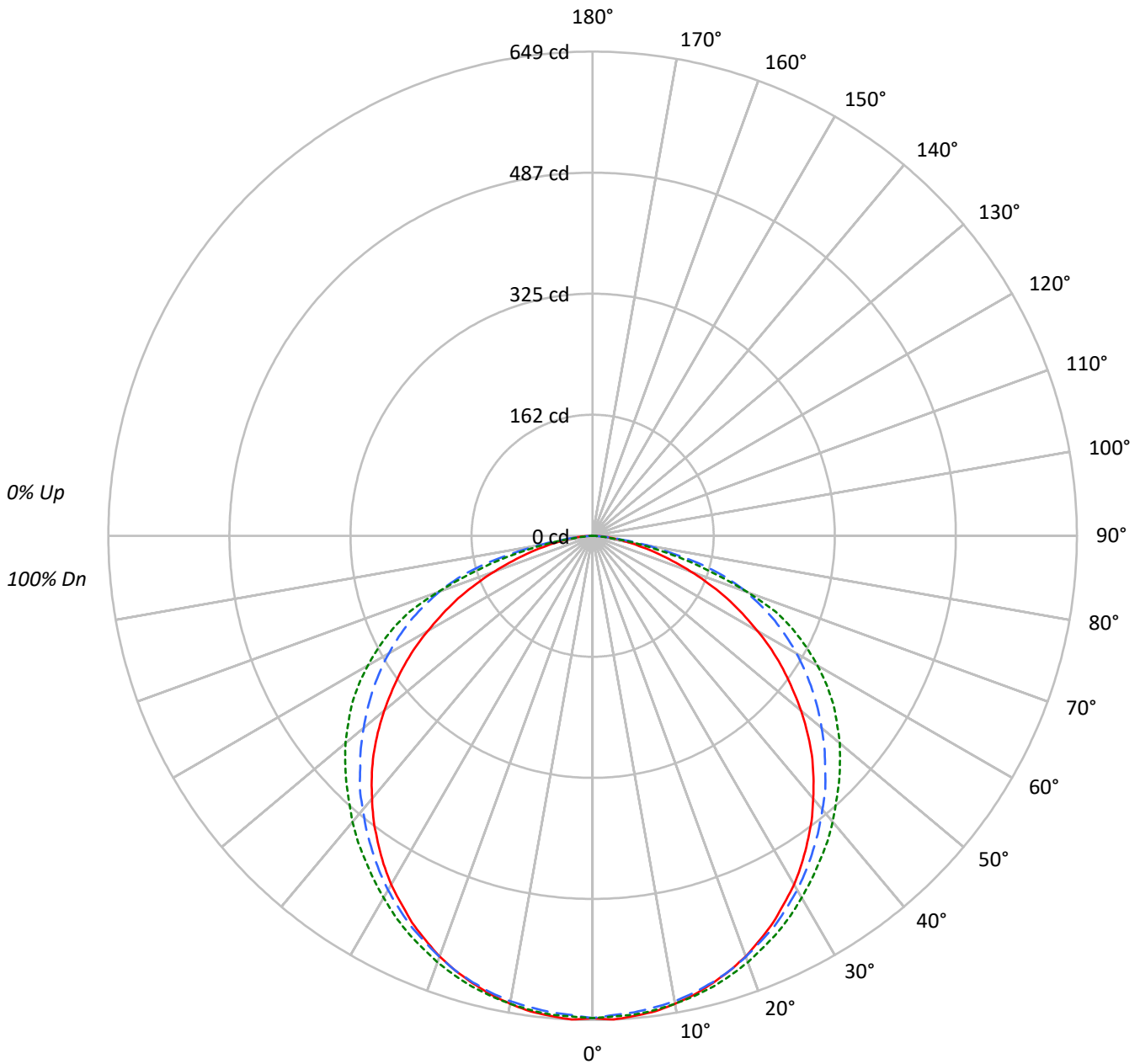
Lumens per Lamp: N/A
Luminaire Lumens: 1904.0 lumens
Efficiency: N/A
Efficacy: 100.2 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.29 / 1.39
Luminous Opening: Rectangular (W 0.96' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 19
Input Voltage (V): NR
Input Current (A_{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: P731816

CATALOG NUMBER: 14CZ2-25-HRP-B2750-W2D-2700K

Luminous Intensity Polar Plot





TEST NUMBER: P731816

CATALOG NUMBER: 14CZ2-25-HRP-B2750-W2D-2700K

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°	1825	1825	1825
5°	1831	1817	1826
10°	1826	1816	1826
15°	1814	1811	1828
20°	1802	1804	1827
25°	1783	1797	1827
30°	1760	1787	1826
35°	1729	1774	1830
40°	1695	1765	1844
45°	1659	1759	1864
50°	1601	1759	1898
55°	1532	1768	1938
60°	1440	1781	1964
65°	1328	1799	1976
70°	1157	1803	1818
75°	953	1678	1469
80°	749	1206	983
85°	583	466	230



TEST NUMBER: P731816

CATALOG NUMBER: 14CZ2-25-HRP-B2750-W2D-2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.2	3.2
10°-20°	175.7	9.2
20°-30°	266.7	14.0
30°-40°	323.2	17.0
40°-50°	340.6	17.9
50°-60°	318.0	16.7
60°-70°	254.1	13.3
70°-80°	139.8	7.3
80°-90°	24.7	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°	503.6	26.4
0°-40°	826.8	43.4
0°-60°	1485.4	78.0
0°-90°	1904.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1904.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	646	646	646	646	646	
5°	646	644	641	646	644	61
15°	621	621	620	626	626	175
25°	572	574	577	586	587	263
35°	502	506	515	528	531	314
45°	416	423	441	460	467	320
55°	311	327	359	384	394	278
65°	199	224	269	292	296	196
75°	87	125	154	138	135	94
85°	18	23	14	9	7	22
90°	0	0	0	0	0	



TEST NUMBER: P731816

CATALOG NUMBER: 14CZ2-25-HRP-B2750-W2D-2700K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	646.5	646.5	646.5	646.5	646.5
2.5°	649.0	647.1	643.0	646.5	644.9
5°	646.1	644.3	641.2	645.5	644.3
7.5°	643.0	640.6	637.6	642.4	641.2
10°	637.0	635.2	633.5	637.6	637.0
12.5°	629.9	629.3	627.4	632.3	631.7
15°	620.9	620.9	619.7	625.6	625.6
17.5°	611.2	610.6	611.2	617.9	617.3
20°	599.9	599.9	600.5	608.3	608.3
22.5°	586.1	586.7	588.5	598.0	597.4
25°	572.4	573.5	577.1	585.5	586.7
27.5°	555.6	558.7	562.7	572.9	574.1
30°	540.0	541.8	548.3	558.0	560.3
32.5°	521.5	525.0	532.3	543.0	546.1
35°	501.7	506.5	514.9	528.0	531.1
37.5°	482.0	486.2	497.6	511.2	516.7
40°	459.9	467.0	479.0	494.6	500.5
42.5°	438.2	445.5	461.7	477.7	483.2
45°	415.5	423.3	440.6	460.5	467.0
47.5°	390.3	399.4	421.5	442.4	449.6
50°	364.6	375.9	400.5	424.0	432.3
52.5°	337.7	352.0	380.2	404.7	412.6
55°	311.4	326.8	359.3	384.4	393.9
57.5°	284.4	301.2	337.7	366.4	371.8
60°	255.0	275.5	315.5	340.6	347.9
62.5°	226.4	249.7	292.7	316.7	322.7
65°	198.8	223.9	269.4	291.5	295.8
67.5°	168.8	198.8	243.6	264.1	265.2
70°	140.2	174.9	218.5	228.0	220.3
72.5°	112.0	149.1	189.2	181.4	174.9
75°	87.4	125.2	153.9	138.3	134.7
77.5°	64.7	102.4	110.2	101.8	95.2
80°	46.1	80.8	74.2	63.5	60.5
82.5°	31.7	50.9	40.8	31.7	27.6
85°	18.0	22.7	14.4	8.9	7.1
87.5°	7.7	5.5	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)