

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: P731967

Luminaire Tested: **22CZ2-24HE-HRP-B2750-W2D-3000K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P731967
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P294823)
Test Lab: INNOVATIONS CENTER(G3)
Issue Date: 1/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22CZ2-24HE-HRP-B2750-W2D-3000K
Description: 2X2 2400 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3000K CCT AND HRP LENS

Light Source: -
Ballast/Driver: -

Summary

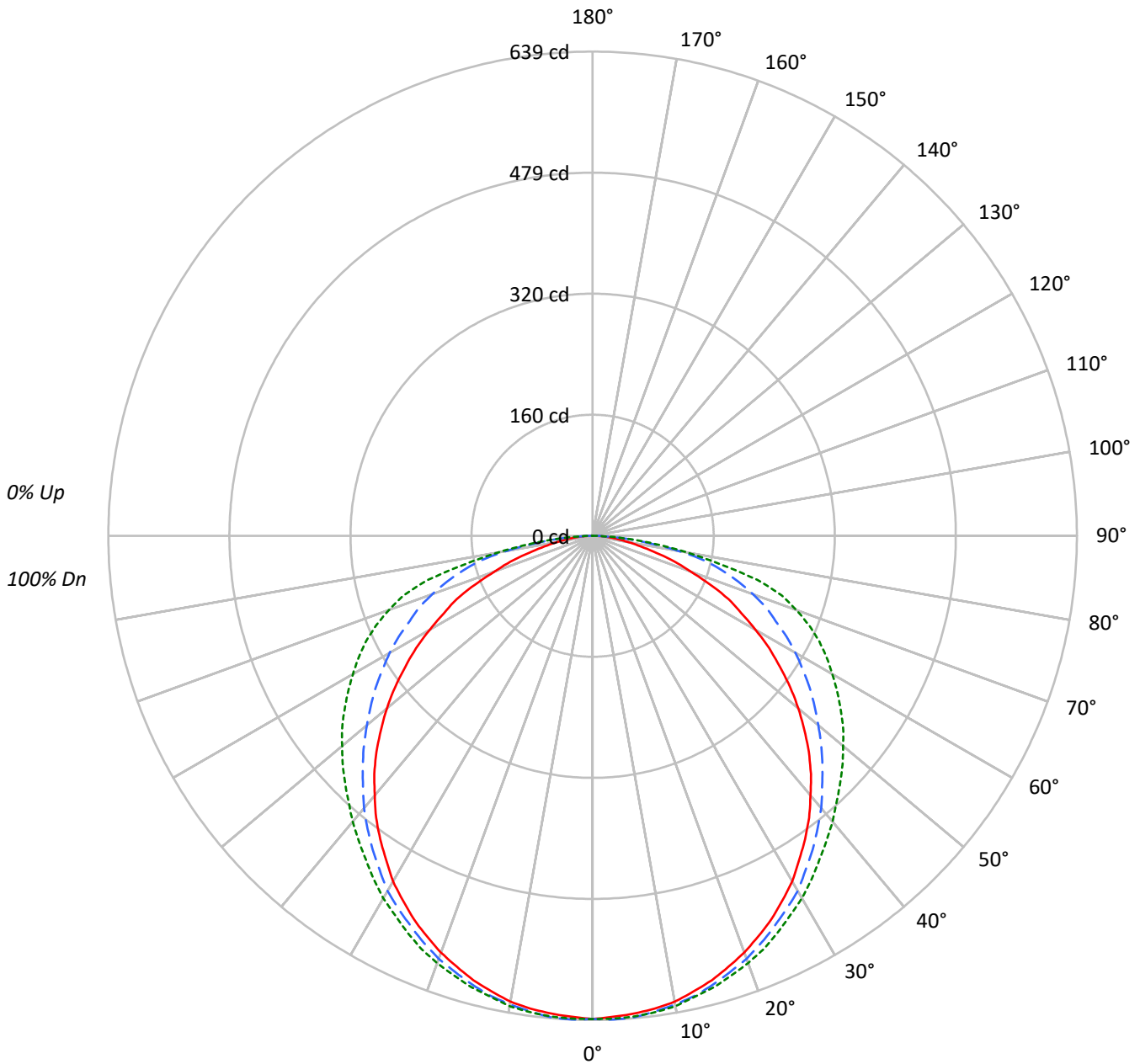
Lumens per Lamp: N/A
Luminaire Lumens: 1937.0 lumens
Efficiency: N/A
Efficacy: 96.9 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.29 / 1.38
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')
CIE Type: Direct

Input Watts (W): 20
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	108	103	98	94	105	101	96	93	96	93	90	92	90	87	89	87	84	82								
2	98	89	82	76	95	87	80	75	84	78	73	80	75	71	77	73	70	68								
3	89	78	69	62	86	76	68	62	73	66	61	70	64	60	68	63	59	56								
4	81	69	59	52	79	67	59	52	65	57	51	62	56	51	60	55	50	48								
5	74	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41								
6	69	55	46	39	67	54	45	39	52	44	39	50	43	38	49	43	38	36								
7	64	50	41	34	62	49	40	34	47	40	34	46	39	34	44	38	33	31								
8	59	45	37	31	58	45	36	31	43	36	30	42	35	30	41	35	30	28								
9	55	42	33	28	54	41	33	27	40	32	27	39	32	27	38	31	27	25								
10	52	38	30	25	50	38	30	25	37	30	25	36	29	25	35	29	24	23								

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1810	1810	1810
5°	1803	1817	1814
10°	1799	1810	1817
15°	1784	1802	1813
20°	1767	1793	1812
25°	1748	1779	1809
30°	1726	1773	1810
35°	1693	1752	1807
40°	1656	1738	1824
45°	1618	1721	1854
50°	1564	1715	1904
55°	1494	1729	1977
60°	1408	1754	2073
65°	1329	1788	2216
70°	1135	1865	2372
75°	951	1943	2465
80°	778	1876	2056
85°	677	1393	1511



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.5	3.1
10°-20°	172.9	8.9
20°-30°	262.1	13.5
30°-40°	316.4	16.3
40°-50°	332.5	17.2
50°-60°	312.9	16.2
60°-70°	260.8	13.5
70°-80°	172.8	8.9
80°-90°	46.1	2.4
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°	495.4	25.6
0°-40°	811.9	41.9
0°-60°	1457.3	75.2
0°-90°	1937.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1937.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	638	638	638	638	638	
5°	633	634	638	638	637	60
15°	607	610	613	616	617	171
25°	558	562	568	576	578	257
35°	489	494	506	517	522	306
45°	403	409	429	451	462	311
55°	302	315	350	385	400	270
65°	198	215	266	310	330	193
75°	87	121	177	214	225	94
85°	21	32	43	46	46	24
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	637.8	637.8	637.8	637.8	637.8
2.5°	635.4	636.7	639.1	639.1	637.8
5°	633.0	634.1	637.8	637.8	636.7
7.5°	629.3	630.5	633.0	635.4	634.1
10°	624.4	625.5	628.1	630.5	630.5
12.5°	615.8	617.0	622.0	623.1	623.1
15°	607.3	609.7	613.4	615.8	617.0
17.5°	596.3	598.7	603.6	608.6	608.6
20°	585.3	587.7	593.9	598.7	600.0
22.5°	571.9	575.5	581.6	587.7	590.2
25°	558.4	562.1	568.2	575.5	577.9
27.5°	542.5	546.2	554.8	563.3	564.5
30°	526.7	530.3	541.2	548.7	552.4
32.5°	507.1	512.0	523.0	534.0	537.7
35°	488.7	493.6	505.9	516.8	521.7
37.5°	469.2	474.0	487.6	501.0	507.1
40°	447.2	453.4	469.2	483.9	492.4
42.5°	426.4	432.5	448.4	468.1	476.5
45°	403.3	409.3	428.8	450.9	461.9
47.5°	378.8	386.2	409.3	436.2	447.2
50°	354.4	362.9	388.6	419.1	431.4
52.5°	328.7	339.7	369.1	402.0	416.7
55°	301.9	315.3	349.5	384.9	399.6
57.5°	276.2	288.3	328.7	366.6	382.5
60°	248.1	263.9	309.1	348.2	365.3
62.5°	221.1	238.2	288.3	330.0	348.2
65°	198.0	215.0	266.3	310.4	330.0
67.5°	167.3	190.6	248.1	289.6	309.1
70°	136.8	168.6	224.8	267.6	285.9
72.5°	113.7	144.2	201.6	244.4	261.5
75°	86.7	121.0	177.2	213.8	224.8
77.5°	64.8	100.1	151.5	169.9	171.0
80°	47.6	77.0	114.8	121.0	125.8
82.5°	33.0	53.8	74.5	81.9	84.3
85°	20.8	31.8	42.8	46.4	46.4
87.5°	11.0	12.3	14.7	14.7	14.7
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)