

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: P842917

Luminaire Tested: **22CZ2-24HE-UNV-B35**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P842917
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P271965)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 1/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22CZ2-24HE-UNV-B35
Description: 2X2 2400 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3500K CCT AND RIBBED LENS

Light Source: -
Ballast/Driver: -

Summary

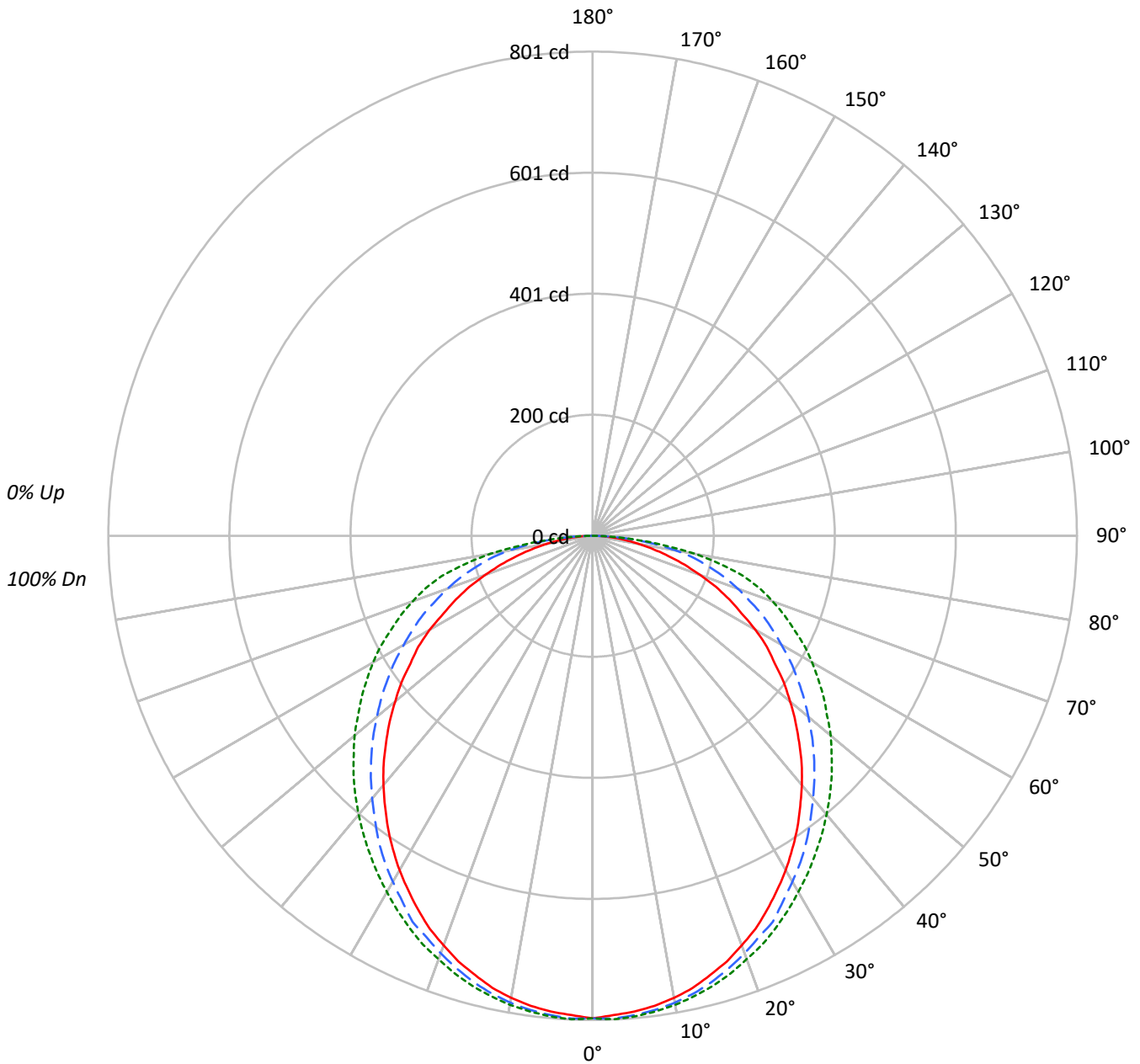
Lumens per Lamp: N/A
Luminaire Lumens: 2348.0 lumens
Efficiency: N/A
Efficacy: 117.4 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.36
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')
CIE Type: Direct

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	86	84	82								
2	98	89	82	76	95	87	81	75	84	78	73	80	76	71	77	73	70	68								
3	89	78	69	63	86	76	68	62	73	66	61	70	65	60	68	63	59	56								
4	81	69	60	53	79	67	59	52	65	57	52	63	56	51	60	55	50	48								
5	75	61	52	45	72	60	52	45	58	50	44	56	49	44	54	48	43	41								
6	69	55	46	39	67	54	46	39	52	45	39	51	44	39	49	43	38	36								
7	64	50	41	35	62	49	41	35	48	40	34	46	39	34	45	39	34	32								
8	59	46	37	31	58	45	37	31	44	36	31	42	35	30	41	35	30	28								
9	56	42	34	28	54	41	33	28	40	33	28	39	32	27	38	32	27	25								
10	52	39	31	25	51	38	30	25	37	30	25	36	30	25	35	29	25	23								

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2265	2265	2265
5°	2251	2267	2274
10°	2237	2260	2270
15°	2209	2243	2264
20°	2177	2219	2250
25°	2138	2207	2243
30°	2093	2165	2230
35°	2045	2137	2225
40°	1994	2101	2230
45°	1938	2077	2244
50°	1882	2055	2270
55°	1818	2047	2309
60°	1764	2046	2380
65°	1675	2079	2467
70°	1563	2118	2627
75°	1432	2192	2837
80°	1247	2284	2794
85°	1094	2032	2220



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.5	3.2
10°-20°	215.0	9.2
20°-30°	322.8	13.7
30°-40°	385.8	16.4
40°-50°	401.1	17.1
50°-60°	371.8	15.8
60°-70°	304.9	13.0
70°-80°	206.2	8.8
80°-90°	64.8	2.8
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°	613.4	26.1
0°-40°	999.1	42.6
0°-60°	1772.1	75.5
0°-90°	2348.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2348.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	798	798	798	798	798	
5°	790	791	796	797	798	75
15°	752	756	764	768	771	212
25°	683	689	705	713	716	314
35°	590	598	617	635	642	369
45°	483	492	518	548	559	373
55°	367	379	414	450	467	330
65°	250	263	310	350	367	247
75°	131	152	200	240	259	138
85°	34	46	62	69	68	38
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	798.3	798.3	798.3	798.3	798.3
2.5°	793.7	796.0	799.5	800.7	800.7
5°	790.3	791.4	796.0	797.2	798.3
7.5°	784.4	786.8	791.4	792.6	793.7
10°	776.3	778.7	784.4	786.8	787.9
12.5°	766.0	768.3	775.2	778.7	779.8
15°	752.1	755.6	763.7	768.3	770.6
17.5°	738.3	741.7	749.9	756.7	759.1
20°	720.9	729.0	734.9	744.0	745.2
22.5°	703.7	708.3	718.6	727.9	732.5
25°	682.8	688.6	704.8	712.9	716.3
27.5°	660.9	669.0	681.7	694.3	698.9
30°	638.9	644.6	660.9	675.8	680.6
32.5°	614.7	622.8	640.0	655.1	662.0
35°	590.3	598.4	616.9	635.4	642.4
37.5°	563.9	573.1	591.6	613.4	622.8
40°	538.4	545.4	567.2	593.8	601.9
42.5°	511.8	519.9	543.0	572.0	581.1
45°	483.0	492.2	517.7	547.6	559.1
47.5°	455.1	464.5	492.2	522.3	536.0
50°	426.3	437.9	465.6	500.3	514.2
52.5°	398.6	409.1	440.2	476.0	488.7
55°	367.4	379.0	413.7	450.5	466.7
57.5°	341.9	350.0	388.2	426.3	442.5
60°	310.8	321.2	360.5	400.8	419.4
62.5°	277.3	294.6	335.0	376.6	395.1
65°	249.5	263.4	309.6	350.0	367.4
67.5°	220.7	235.7	280.7	323.6	343.2
70°	188.4	208.0	255.3	298.1	316.6
72.5°	159.4	180.3	228.8	270.4	290.0
75°	130.6	152.5	199.9	240.3	258.8
77.5°	102.9	127.1	173.3	204.5	216.1
80°	76.3	99.4	139.8	161.8	171.0
82.5°	53.2	72.8	102.9	114.4	116.7
85°	33.6	46.2	62.4	69.3	68.2
87.5°	15.0	18.5	23.1	25.5	24.2
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)