

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: P842970

Luminaire Tested: **22CZ2-44HE-RDP-UNV-B50**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P842970
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P274731)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 1/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22CZ2-44HE-RDP-UNV-B50
Description: 2X2 4400 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 5000K CCT AND RDP LENS

Light Source: -
Ballast/Driver: -

Summary

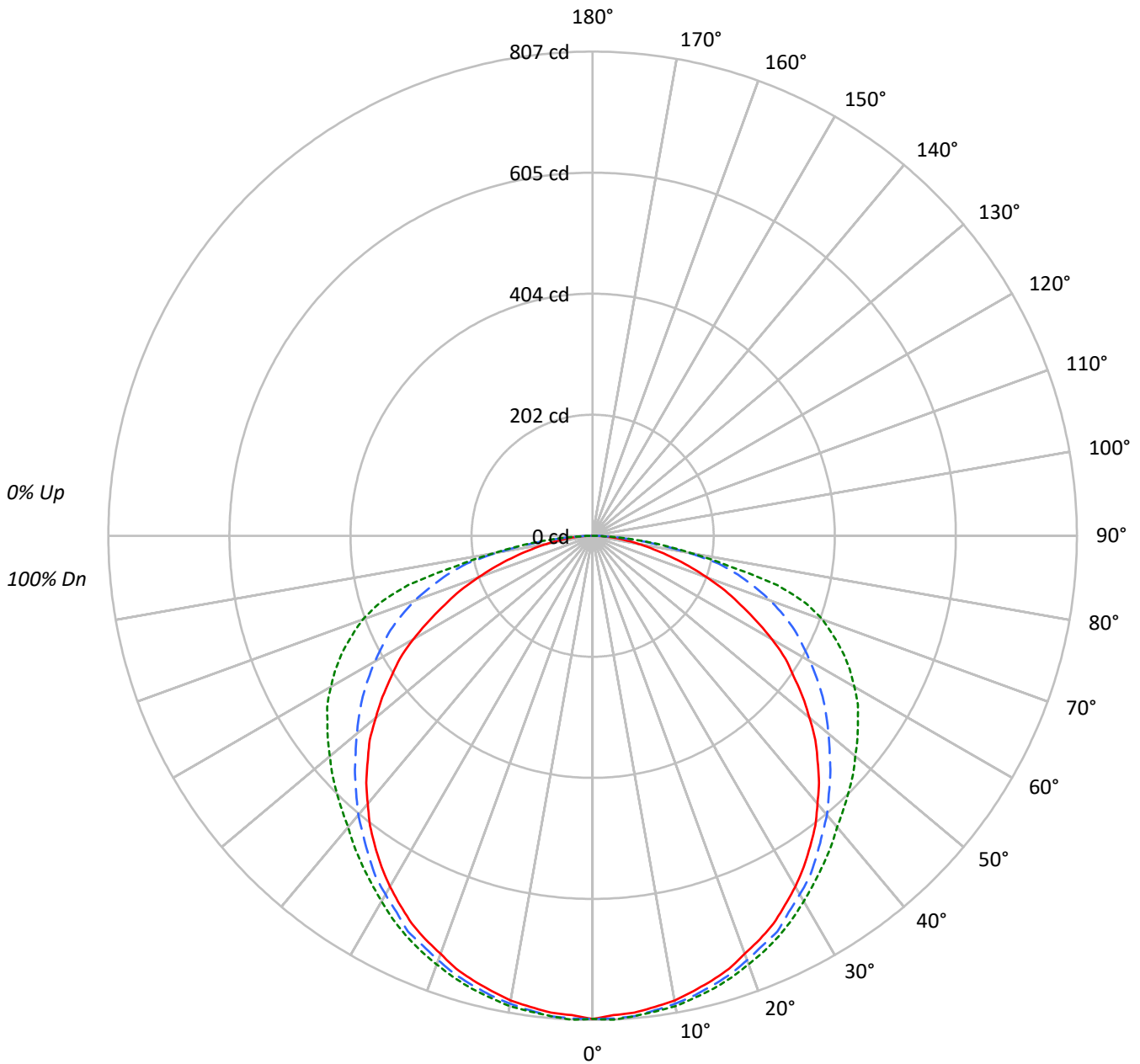
Lumens per Lamp: N/A
Luminaire Lumens: 2564.0 lumens
Efficiency: N/A
Efficacy: 71.2 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.3 / 1.41
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')
CIE Type: Direct

Input Watts (W): 36
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									
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	108	103	98	94	105	100	96	92	96	92	89	92	89	86	88	86	84	82																			
2	97	88	81	75	95	86	80	74	83	77	72	80	75	71	76	72	69	67																			
3	88	77	68	61	86	75	67	61	72	65	60	70	64	59	67	62	58	55																			
4	80	68	59	51	78	66	58	51	64	56	50	61	55	50	59	54	49	47																			
5	74	60	51	44	72	59	50	44	57	49	43	55	48	43	53	47	42	40																			
6	68	54	45	38	66	53	44	38	51	43	38	50	43	37	48	42	37	35																			
7	63	49	40	33	61	48	39	33	47	39	33	45	38	33	44	37	33	31																			
8	59	45	36	30	57	44	35	30	43	35	29	41	34	29	40	34	29	27																			
9	55	41	32	27	53	40	32	27	39	32	26	38	31	26	37	31	26	24																			
10	51	38	30	24	50	37	29	24	36	29	24	35	29	24	34	28	24	22																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2285	2285	2285
5°	2272	2289	2289
10°	2266	2282	2294
15°	2255	2278	2294
20°	2238	2273	2295
25°	2233	2280	2303
30°	2213	2262	2305
35°	2189	2254	2320
40°	2159	2250	2348
45°	2127	2248	2422
50°	2082	2264	2523
55°	2025	2314	2669
60°	1958	2376	2858
65°	1824	2495	3090
70°	1673	2614	3379
75°	1469	2750	3494
80°	1262	2621	2744
85°	1100	1901	2087



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.2	3.0
10°-20°	218.8	8.5
20°-30°	333.7	13.0
30°-40°	407.5	15.9
40°-50°	435.7	17.0
50°-60°	420.6	16.4
60°-70°	362.0	14.1
70°-80°	244.9	9.6
80°-90°	64.6	2.5
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°	628.7	24.5
0°-40°	1036.2	40.4
0°-60°	1892.5	73.8
0°-90°	2564.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2564.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	805	805	805	805	805	
5°	798	800	804	804	804	76
15°	768	770	775	779	781	217
25°	713	717	728	732	736	328
35°	632	637	651	664	670	395
45°	530	540	560	589	604	409
55°	409	422	468	515	540	367
65°	272	298	372	430	460	270
75°	134	177	251	302	319	144
85°	34	47	58	60	64	38
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	805.3	805.3	805.3	805.3	805.3
2.5°	799.8	801.7	805.3	805.3	807.3
5°	797.8	799.8	803.5	803.5	803.5
7.5°	792.1	794.2	797.8	799.8	799.8
10°	786.4	788.5	792.1	794.2	796.0
12.5°	777.1	779.0	784.6	788.5	788.5
15°	767.6	769.6	775.3	779.0	781.0
17.5°	756.5	760.1	765.8	769.6	771.5
20°	741.2	745.1	752.6	758.3	760.1
22.5°	728.1	731.9	739.4	745.1	748.7
25°	713.1	716.7	728.1	731.9	735.6
27.5°	694.2	697.9	707.4	714.9	720.6
30°	675.4	679.0	690.4	699.7	703.5
32.5°	654.5	660.1	673.3	680.8	686.5
35°	632.0	637.4	650.8	664.0	669.7
37.5°	609.3	614.9	628.1	645.2	652.6
40°	582.9	590.4	607.4	629.9	633.8
42.5°	558.4	567.7	582.9	609.3	618.6
45°	530.0	539.5	560.2	588.6	603.6
47.5°	503.6	512.9	535.7	569.7	588.6
50°	471.6	484.8	512.9	552.7	571.5
52.5°	441.4	452.7	490.5	533.8	556.3
55°	409.4	422.5	467.7	515.0	539.5
57.5°	381.0	392.3	443.2	496.1	524.3
60°	345.1	360.3	418.7	475.2	503.6
62.5°	307.4	330.1	394.1	452.7	483.0
65°	271.7	298.0	371.6	430.0	460.2
67.5°	239.4	267.8	343.2	405.5	433.9
70°	201.7	237.6	315.1	375.3	407.3
72.5°	167.9	207.4	282.8	343.2	371.6
75°	134.0	177.2	250.8	301.9	318.7
77.5°	103.8	145.2	215.1	230.1	231.9
80°	77.2	114.9	160.4	162.2	167.9
82.5°	52.7	81.1	103.8	113.1	114.9
85°	33.8	47.3	58.4	60.4	64.1
87.5°	15.0	17.0	20.7	18.9	18.9
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)