

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: P732072

Luminaire Tested: **22CZ2-44HE-RDP-B2750-W2D-3000K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P732072
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-B2750-W2D-3000K
Description: 2X2 4400 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3000K CCT AND RDP LENS

Light Source: -
Ballast/Driver: -

Summary

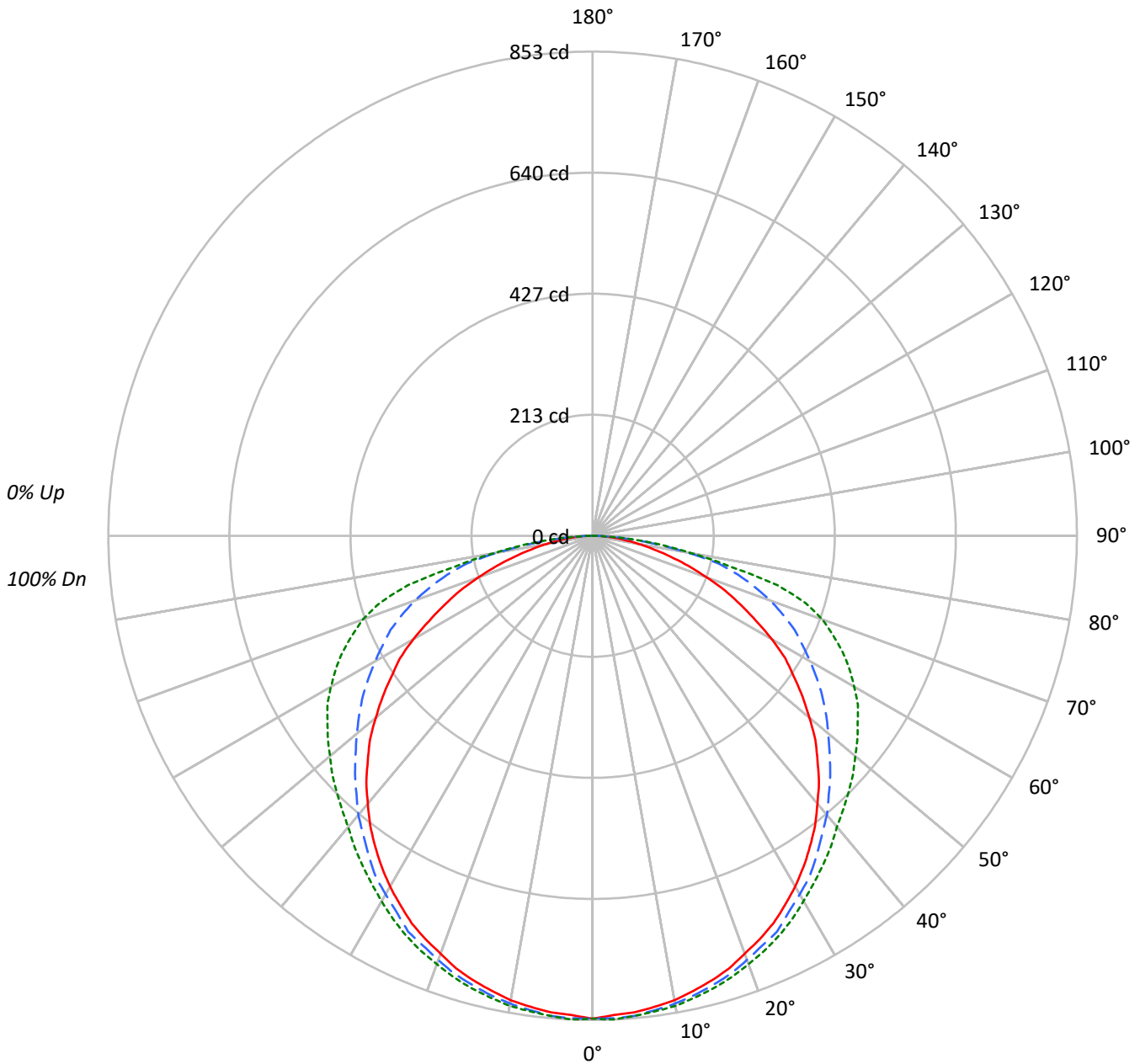
Lumens per Lamp: N/A
Luminaire Lumens: 2709.0 lumens
Efficiency: N/A
Efficacy: 75.2 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.3 / 1.41
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')
CIE Type: Direct

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					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	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°	2414	2414	2414
5°	2401	2418	2418
10°	2394	2411	2423
15°	2382	2407	2424
20°	2365	2401	2425
25°	2359	2408	2433
30°	2338	2390	2435
35°	2313	2382	2451
40°	2281	2377	2480
45°	2247	2375	2559
50°	2200	2392	2666
55°	2140	2445	2820
60°	2069	2510	3020
65°	1928	2637	3265
70°	1768	2762	3570
75°	1552	2905	3691
80°	1333	2768	2899
85°	1166	2009	2204



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.5	3.0
10°-20°	231.1	8.5
20°-30°	352.6	13.0
30°-40°	430.5	15.9
40°-50°	460.4	17.0
50°-60°	444.3	16.4
60°-70°	382.5	14.1
70°-80°	258.8	9.6
80°-90°	68.3	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°	664.2	24.5
0°-40°	1094.8	40.4
0°-60°	1999.5	73.8
0°-90°	2709.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2709.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	851	851	851	851	851	
5°	843	845	849	849	849	80
15°	811	813	819	823	825	229
25°	753	757	769	773	777	347
35°	668	674	688	702	708	418
45°	560	570	592	622	638	432
55°	432	446	494	544	570	388
65°	287	315	393	454	486	285
75°	142	187	265	319	337	152
85°	36	50	62	64	68	40
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	850.8	850.8	850.8	850.8	<i>850.8</i>
2.5°	<i>845.1</i>	<i>847.0</i>	<i>850.8</i>	<i>850.8</i>	<i>853.0</i>
5°	842.9	845.1	848.9	848.9	<i>848.9</i>
7.5°	836.9	839.1	842.9	845.1	<i>845.1</i>
10°	830.9	833.1	836.9	839.1	<i>841.0</i>
12.5°	821.1	823.0	829.0	833.1	<i>833.1</i>
15°	811.0	813.2	819.2	823.0	<i>825.2</i>
17.5°	799.2	803.1	809.1	813.2	<i>815.1</i>
20°	783.2	787.2	795.2	801.2	<i>803.1</i>
22.5°	769.2	773.3	781.2	787.2	<i>791.1</i>
25°	753.4	757.2	769.2	773.3	<i>777.2</i>
27.5°	733.5	737.3	747.4	755.3	<i>761.3</i>
30°	713.6	717.4	729.4	739.2	<i>743.3</i>
32.5°	691.5	697.5	711.4	719.3	<i>725.3</i>
35°	667.7	673.5	687.6	701.6	<i>707.6</i>
37.5°	643.7	649.7	663.6	681.6	<i>689.6</i>
40°	615.9	623.8	641.8	665.6	<i>669.6</i>
42.5°	590.0	599.8	615.9	643.7	<i>653.6</i>
45°	559.9	570.0	591.9	621.9	<i>637.7</i>
47.5°	532.1	541.9	565.9	602.0	<i>621.9</i>
50°	498.3	512.2	541.9	583.9	<i>603.9</i>
52.5°	466.3	478.3	518.2	564.0	<i>587.8</i>
55°	432.5	446.4	494.2	544.1	<i>570.0</i>
57.5°	402.5	414.5	468.3	524.2	<i>553.9</i>
60°	364.6	380.7	442.3	502.1	<i>532.1</i>
62.5°	324.7	348.7	416.4	478.3	<i>510.3</i>
65°	287.1	314.9	392.7	454.3	<i>486.3</i>
67.5°	253.0	283.0	362.7	428.4	<i>458.4</i>
70°	213.1	251.1	332.9	396.5	<i>430.3</i>
72.5°	177.4	219.1	298.8	362.7	<i>392.7</i>
75°	141.6	187.2	265.0	319.0	<i>336.7</i>
77.5°	109.7	153.4	227.3	243.1	<i>245.1</i>
80°	81.6	121.4	169.4	171.4	<i>177.4</i>
82.5°	55.7	85.7	109.7	119.5	<i>121.4</i>
85°	35.8	49.9	61.7	63.8	<i>67.7</i>
87.5°	15.8	18.0	21.8	19.9	<i>19.9</i>
90°	0.0	0.0	0.0	0.0	<i>0.0</i>



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180° - - 45°-225° - - - - 90°-270°







(END OF REPORT)