

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: P731982

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

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P731982
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P387672)
Test Lab: INNOVATIONS CENTER(G3)
Issue Date: 1/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22CZ2-24HE-SQR-B2750-W2D-3000K
Description: 2X2 2400 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3000K CCT AND SQR LENS

Light Source: -
Ballast/Driver: -

Summary

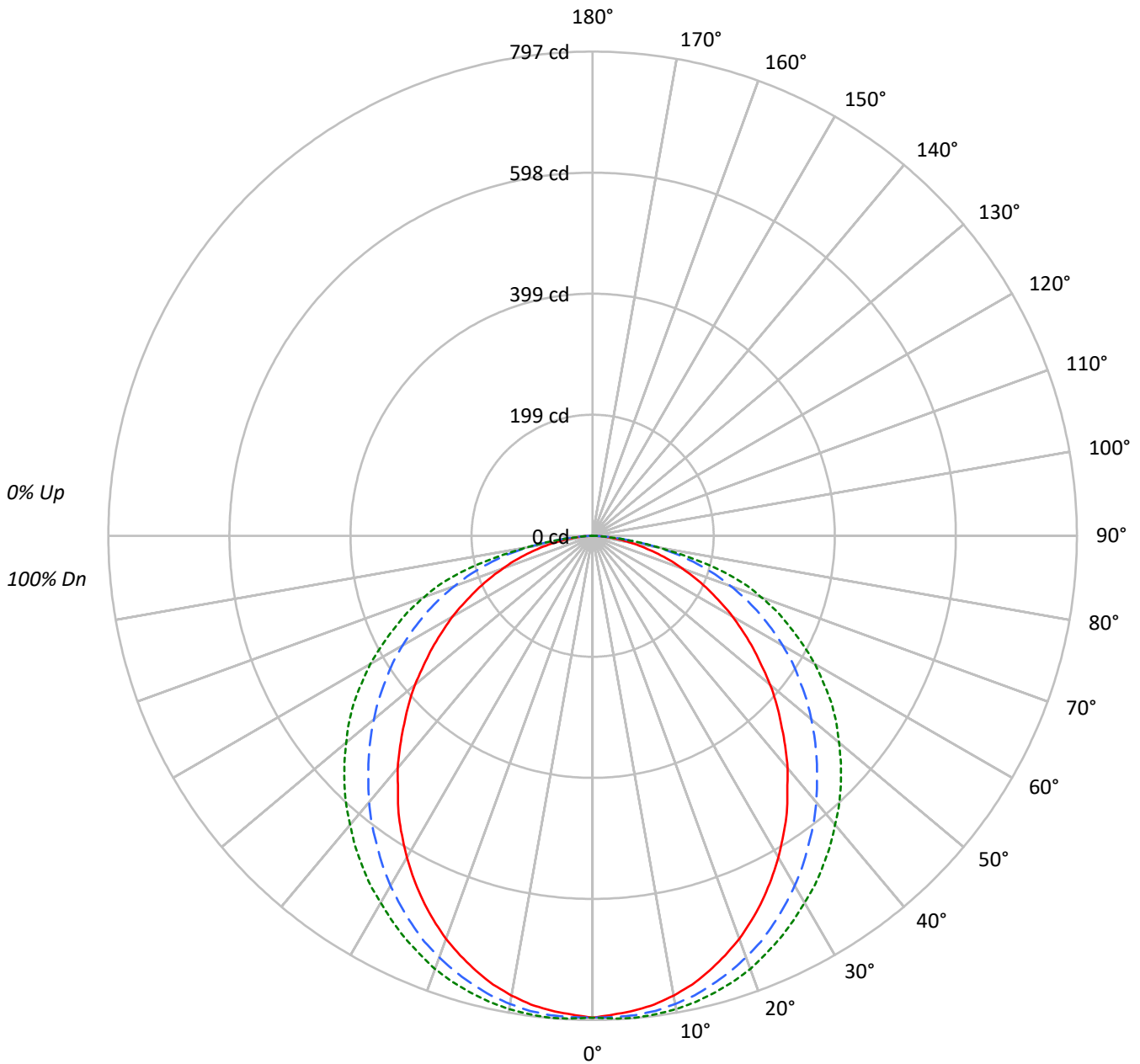
Lumens per Lamp: N/A
Luminaire Lumens: 2271.0 lumens
Efficiency: N/A
Efficacy: 113.6 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.31 / 1.37
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')
CIE Type: Direct

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	109	104	99	95	106	101	97	94	97	94	91	93	91	88	90	87	85	83								
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69								
3	90	79	71	64	87	77	70	63	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	43								
6	70	56	47	41	68	55	47	40	53	46	40	52	45	40	50	44	39	37								
7	64	51	42	36	63	50	42	36	48	41	35	47	40	35	46	39	35	33								
8	60	46	38	32	58	46	37	32	44	37	32	43	36	31	42	36	31	29								
9	56	43	34	29	55	42	34	29	41	34	28	40	33	28	39	33	28	26								
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24								

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2251	2251	2251
5°	2235	2256	2269
10°	2214	2255	2279
15°	2178	2245	2286
20°	2132	2230	2291
25°	2072	2207	2288
30°	2003	2179	2285
35°	1930	2147	2292
40°	1849	2120	2300
45°	1760	2093	2318
50°	1684	2074	2337
55°	1594	2058	2373
60°	1511	2049	2398
65°	1411	2034	2417
70°	1298	2003	2450
75°	1171	1950	2364
80°	1005	1726	1780
85°	811	1019	811



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.2	3.3
10°-20°	215.0	9.5
20°-30°	323.0	14.2
30°-40°	385.2	17.0
40°-50°	398.2	17.5
50°-60°	366.1	16.1
60°-70°	291.5	12.8
70°-80°	178.1	7.8
80°-90°	38.7	1.7
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°	613.2	27.0
0°-40°	998.3	44.0
0°-60°	1762.7	77.6
0°-90°	2271.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2271.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	793	793	793	793	793	
5°	785	787	792	795	797	74
15°	742	750	764	775	778	209
25°	662	678	705	724	731	304
35°	557	581	620	652	662	348
45°	439	470	522	564	578	339
55°	322	358	416	463	480	288
65°	210	246	303	345	360	208
75°	107	138	178	209	216	114
85°	25	30	31	27	25	29
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	793.2	793.2	793.2	793.2	793.2
2.5°	788.9	790.1	793.2	795.4	795.4
5°	784.6	786.8	792.2	795.4	796.6
7.5°	778.2	781.5	788.9	793.2	794.4
10°	768.5	772.8	782.5	788.9	791.1
12.5°	756.6	763.1	775.0	783.6	785.8
15°	741.5	750.1	764.2	775.0	778.2
17.5°	724.3	735.0	752.3	765.2	769.5
20°	706.0	716.8	738.4	753.4	758.8
22.5°	684.5	698.4	723.3	740.5	744.8
25°	661.8	678.0	704.9	724.3	730.7
27.5°	637.0	656.4	685.5	709.2	714.6
30°	611.2	631.6	665.1	690.9	697.4
32.5°	584.2	607.9	643.5	672.5	681.2
35°	557.3	581.0	619.8	652.1	661.8
37.5°	526.0	554.0	597.1	630.6	642.4
40°	499.1	526.0	572.4	609.0	620.8
42.5°	468.9	497.9	546.5	586.3	600.4
45°	438.7	469.9	521.6	563.8	577.7
47.5°	410.7	441.9	495.8	540.0	554.0
50°	381.5	413.9	469.9	515.2	529.3
52.5°	350.4	385.8	444.0	489.3	505.6
55°	322.3	357.8	416.0	463.4	479.7
57.5°	293.2	329.8	390.2	435.4	450.5
60°	266.3	301.8	361.1	405.2	422.5
62.5°	237.1	273.8	332.0	375.1	391.3
65°	210.2	245.7	302.9	344.9	360.0
67.5°	183.2	218.9	272.8	312.6	329.8
70°	156.4	191.8	241.4	280.2	295.3
72.5°	132.6	163.8	211.2	246.9	260.8
75°	106.8	138.0	177.9	209.1	215.6
77.5°	83.1	111.1	144.4	158.5	160.7
80°	61.5	83.1	105.6	108.9	108.9
82.5°	41.0	57.2	65.8	66.8	65.8
85°	24.9	30.2	31.3	27.0	24.9
87.5°	8.6	8.6	5.5	3.3	1.1
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)