

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: P732046

Luminaire Tested: **22CZ2-39HE-RDP-B2750-W2D-2700K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P732046
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: 22CZ2-39HE-RDP-B2750-W2D-2700K
Description: 2X2 3900 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 2700K CCT AND RDP LENS

Light Source: -
Ballast/Driver: -

Summary

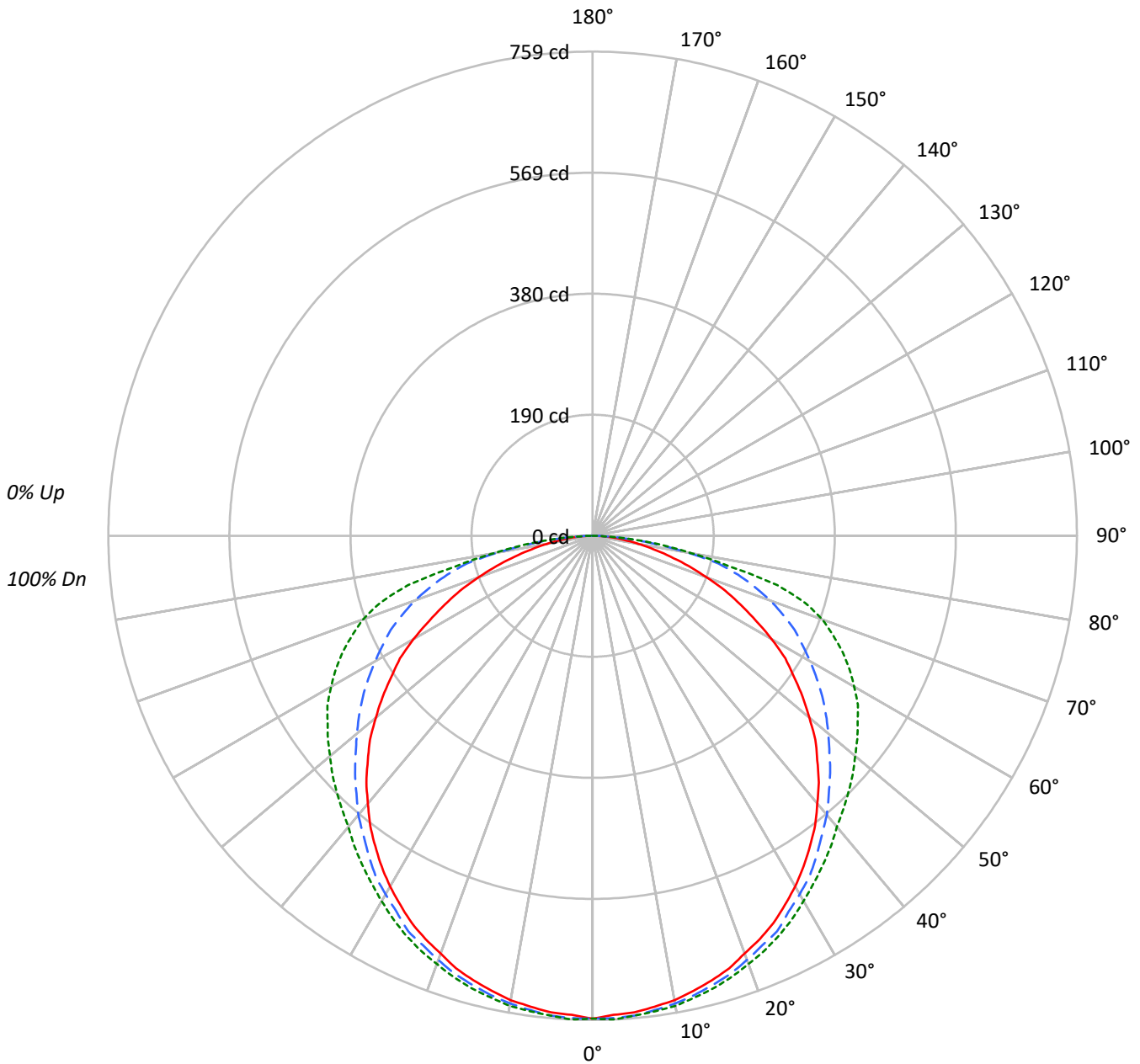
Lumens per Lamp: N/A
Luminaire Lumens: 2409.9 lumens
Efficiency: N/A
Efficacy: 75.3 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.3 / 1.41
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')
CIE Type: Direct

Input Watts (W): 32
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°	2148	2148	2148
5°	2136	2151	2151
10°	2130	2145	2156
15°	2120	2141	2157
20°	2104	2136	2157
25°	2098	2142	2165
30°	2080	2126	2167
35°	2058	2119	2181
40°	2029	2115	2207
45°	1999	2113	2277
50°	1957	2128	2371
55°	1904	2175	2509
60°	1840	2233	2687
65°	1715	2345	2905
70°	1573	2457	3176
75°	1381	2584	3285
80°	1186	2463	2579
85°	1035	1787	1960



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.6	3.0
10°-20°	205.6	8.5
20°-30°	313.7	13.0
30°-40°	383.0	15.9
40°-50°	409.5	17.0
50°-60°	395.3	16.4
60°-70°	340.3	14.1
70°-80°	230.2	9.6
80°-90°	60.7	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°	590.9	24.5
0°-40°	973.9	40.4
0°-60°	1778.8	73.8
0°-90°	2409.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2409.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	757	757	757	757	757	
5°	750	752	755	755	755	71
15°	722	723	729	732	734	204
25°	670	674	684	688	691	308
35°	594	599	612	624	630	372
45°	498	507	526	553	567	385
55°	385	397	440	484	507	345
65°	255	280	349	404	433	254
75°	126	166	236	284	300	135
85°	32	44	55	57	60	36
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	756.9	756.9	756.9	756.9	756.9
2.5°	751.8	753.5	756.9	756.9	758.9
5°	749.9	751.8	755.2	755.2	755.2
7.5°	744.5	746.5	749.9	751.8	751.8
10°	739.2	741.1	744.5	746.5	748.2
12.5°	730.5	732.2	737.5	741.1	741.1
15°	721.5	723.4	728.7	732.2	734.1
17.5°	711.0	714.4	719.8	723.4	725.1
20°	696.7	700.4	707.4	712.7	714.4
22.5°	684.3	688.0	695.0	700.4	703.8
25°	670.2	673.7	684.3	688.0	691.4
27.5°	652.5	655.9	664.9	672.0	677.3
30°	634.8	638.2	648.9	657.6	661.3
32.5°	615.2	620.5	632.9	639.9	645.3
35°	594.0	599.1	611.7	624.1	629.5
37.5°	572.7	578.0	590.4	606.4	613.4
40°	547.9	554.9	571.0	592.1	595.7
42.5°	524.8	533.6	547.9	572.7	581.4
45°	498.1	507.1	526.5	553.2	567.3
47.5°	473.4	482.1	503.5	535.5	553.2
50°	443.3	455.7	482.1	519.5	537.2
52.5°	414.9	425.5	461.0	501.8	522.9
55°	384.8	397.1	439.6	484.1	507.1
57.5°	358.1	368.8	416.6	466.3	492.8
60°	324.3	338.6	393.5	446.7	473.4
62.5°	288.9	310.2	370.5	425.5	453.9
65°	255.4	280.1	349.3	404.2	432.6
67.5°	225.1	251.7	322.6	381.1	407.8
70°	189.6	223.3	296.2	352.7	382.8
72.5°	157.8	194.9	265.8	322.6	349.3
75°	126.0	166.5	235.7	283.8	299.6
77.5°	97.6	136.4	202.2	216.3	218.0
80°	72.6	108.0	150.7	152.5	157.8
82.5°	49.5	76.2	97.6	106.3	108.0
85°	31.8	44.4	54.9	56.8	60.2
87.5°	14.1	16.0	19.4	17.7	17.7
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)