

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: P731991

Luminaire Tested: **22CZ2-29HE-HRP-B2750-W2D-2700K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P731991
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P294823)
Test Lab: INNOVATIONS CENTER(G3)
Issue Date: 1/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22CZ2-29HE-HRP-B2750-W2D-2700K
Description: 2X2 2900 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 2700K CCT AND HRP LENS

Light Source: -
Ballast/Driver: -

Summary

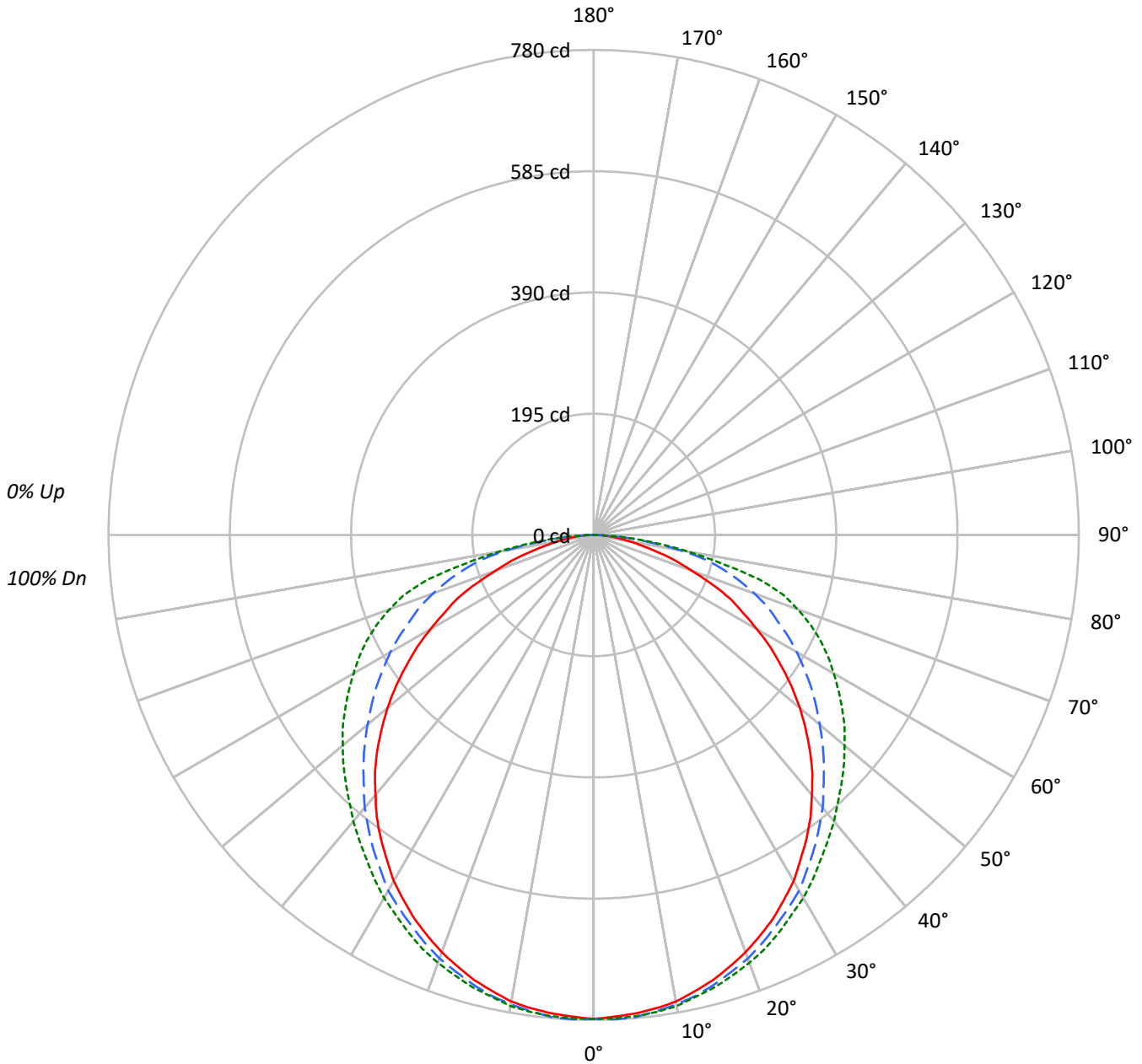
Lumens per Lamp: N/A
Luminaire Lumens: 2364.0 lumens
Efficiency: N/A
Efficacy: 94.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.29 / 1.38
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')
CIE Type: Direct

Input Watts (W): 25
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	101	96	93	96	93	90	92	90	87	89	87	84	82																			
2	98	89	82	76	95	87	80	75	84	78	73	80	75	71	77	73	70	68																			
3	89	78	69	62	86	76	68	62	73	66	61	70	64	60	68	63	59	56																			
4	81	69	59	52	79	67	59	52	65	57	51	62	56	51	60	55	50	48																			
5	74	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41																			
6	69	55	46	39	67	54	45	39	52	44	39	50	43	38	49	43	38	36																			
7	64	50	41	34	62	49	40	34	47	40	34	46	39	34	44	38	33	31																			
8	59	45	37	31	58	45	36	31	43	36	30	42	35	30	41	35	30	28																			
9	55	42	33	28	54	41	33	27	40	32	27	39	32	27	38	31	27	25																			
10	52	38	30	25	50	38	30	25	37	30	25	36	29	25	35	29	24	23																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2209	2209	2209
5°	2200	2217	2213
10°	2196	2209	2217
15°	2177	2199	2212
20°	2157	2189	2211
25°	2133	2171	2208
30°	2106	2164	2209
35°	2066	2139	2206
40°	2022	2121	2226
45°	1975	2100	2262
50°	1909	2094	2324
55°	1823	2110	2413
60°	1718	2141	2531
65°	1623	2183	2704
70°	1385	2277	2895
75°	1161	2370	3008
80°	951	2291	2510
85°	827	1699	1843



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.8	3.1
10°-20°	211.0	8.9
20°-30°	319.8	13.5
30°-40°	386.2	16.3
40°-50°	405.8	17.2
50°-60°	381.8	16.2
60°-70°	318.4	13.5
70°-80°	210.9	8.9
80°-90°	56.2	2.4
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°	604.6	25.6
0°-40°	990.8	41.9
0°-60°	1778.5	75.2
0°-90°	2364.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2364.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	778	778	778	778	778	
5°	772	774	778	778	777	73
15°	741	744	749	752	753	209
25°	681	686	694	702	705	314
35°	596	602	617	631	637	373
45°	492	500	523	550	564	379
55°	368	385	427	470	488	330
65°	242	262	325	379	403	235
75°	106	148	216	261	274	115
85°	25	39	52	57	57	29
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	778.4	778.4	778.4	778.4	778.4
2.5°	775.5	777.0	780.0	780.0	778.4
5°	772.5	773.9	778.4	778.4	777.0
7.5°	768.0	769.5	772.5	775.5	773.9
10°	762.0	763.4	766.6	769.5	769.5
12.5°	751.6	753.0	759.1	760.5	760.5
15°	741.2	744.1	748.6	751.6	753.0
17.5°	727.8	730.7	736.6	742.7	742.7
20°	714.3	717.3	724.8	730.7	732.3
22.5°	698.0	702.3	709.8	717.3	720.3
25°	681.4	686.0	693.5	702.3	705.3
27.5°	662.1	666.6	677.1	687.5	688.9
30°	642.8	647.1	660.5	669.6	674.1
32.5°	618.9	624.9	638.3	651.7	656.2
35°	596.5	602.4	617.4	630.8	636.7
37.5°	572.6	578.5	595.1	611.5	618.9
40°	545.8	553.3	572.6	590.6	601.0
42.5°	520.4	527.9	547.2	571.2	581.5
45°	492.2	499.5	523.4	550.3	563.7
47.5°	462.2	471.3	499.5	532.4	545.8
50°	432.5	442.9	474.3	511.5	526.5
52.5°	401.1	414.5	450.4	490.6	508.6
55°	368.4	384.8	426.6	469.7	487.7
57.5°	337.1	351.9	401.1	447.4	466.8
60°	302.8	322.1	377.3	425.0	445.9
62.5°	269.9	290.8	351.9	402.7	425.0
65°	241.7	262.4	325.1	378.8	402.7
67.5°	204.2	232.6	302.8	353.4	377.3
70°	167.0	205.8	274.4	326.6	348.9
72.5°	138.8	176.0	246.0	298.2	319.1
75°	105.9	147.6	216.2	261.0	274.4
77.5°	79.0	122.2	184.9	207.4	208.7
80°	58.2	94.0	140.2	147.6	153.6
82.5°	40.2	65.6	90.9	99.9	102.9
85°	25.4	38.8	52.2	56.6	56.6
87.5°	13.4	15.0	17.9	17.9	17.9
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)