

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: P731992

Luminaire Tested: **22CZ2-29HE-HRP-B2750-W2D-3000K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P731992
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-3000K
Description: 2X2 2900 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3000K CCT AND HRP LENS

Light Source: -
Ballast/Driver: -

Summary

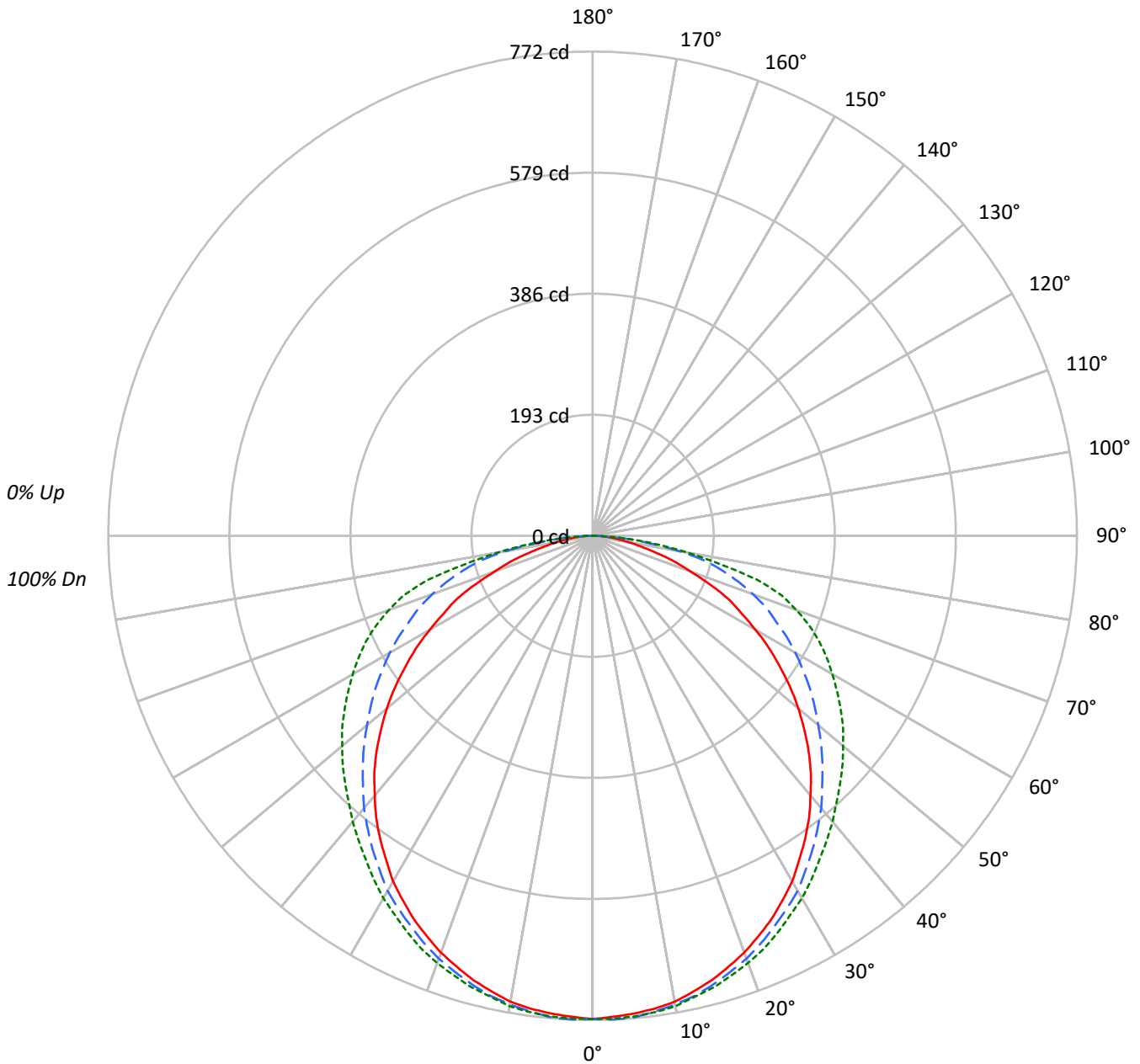
Lumens per Lamp: N/A
Luminaire Lumens: 2340.0 lumens
Efficiency: N/A
Efficacy: 93.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.29 / 1.38
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')
CIE Type: Direct

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°	2186	2186	2186
5°	2178	2195	2191
10°	2173	2186	2195
15°	2155	2177	2190
20°	2135	2166	2189
25°	2112	2149	2186
30°	2085	2142	2186
35°	2045	2117	2183
40°	2001	2100	2204
45°	1955	2079	2239
50°	1890	2072	2300
55°	1804	2089	2388
60°	1701	2120	2505
65°	1606	2161	2676
70°	1371	2253	2866
75°	1149	2346	2978
80°	941	2266	2484
85°	820	1683	1823



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.0	3.1
10°-20°	208.9	8.9
20°-30°	316.6	13.5
30°-40°	382.3	16.3
40°-50°	401.7	17.2
50°-60°	378.0	16.2
60°-70°	315.1	13.5
70°-80°	208.8	8.9
80°-90°	55.7	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°	598.5	25.6
0°-40°	980.8	41.9
0°-60°	1760.4	75.2
0°-90°	2340.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2340.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	770	770	770	770	770	
5°	765	766	770	770	769	73
15°	734	737	741	744	745	207
25°	674	679	686	695	698	311
35°	590	596	611	624	630	369
45°	487	494	518	545	558	375
55°	365	381	422	465	483	326
65°	239	260	322	375	399	233
75°	105	146	214	258	272	114
85°	25	38	52	56	56	29
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	770.5	770.5	770.5	770.5	770.5
2.5°	767.6	769.1	772.1	772.1	770.5
5°	764.7	766.0	770.5	770.5	769.1
7.5°	760.2	761.7	764.7	767.6	766.0
10°	754.3	755.7	758.8	761.7	761.7
12.5°	744.0	745.4	751.4	752.8	752.8
15°	733.6	736.6	741.0	744.0	745.4
17.5°	720.4	723.3	729.2	735.2	735.2
20°	707.1	710.0	717.4	723.3	724.8
22.5°	690.9	695.2	702.6	710.0	713.0
25°	674.5	679.0	686.4	695.2	698.1
27.5°	655.4	659.9	670.2	680.6	681.9
30°	636.3	640.6	653.8	662.8	667.3
32.5°	612.7	618.5	631.8	645.1	649.5
35°	590.4	596.3	611.1	624.4	630.2
37.5°	566.8	572.7	589.0	605.2	612.7
40°	540.3	547.7	566.8	584.6	594.9
42.5°	515.1	522.5	541.7	565.4	575.6
45°	487.2	494.4	518.0	544.8	558.0
47.5°	457.6	466.5	494.4	527.0	540.3
50°	428.1	438.4	469.4	506.3	521.1
52.5°	397.1	410.3	445.8	485.6	503.4
55°	364.7	380.9	422.2	465.0	482.7
57.5°	333.6	348.3	397.1	442.9	462.0
60°	299.7	318.8	373.5	420.7	441.4
62.5°	267.1	287.8	348.3	398.6	420.7
65°	239.2	259.7	321.8	375.0	398.6
67.5°	202.1	230.2	299.7	349.8	373.5
70°	165.3	203.7	271.6	323.3	345.4
72.5°	137.4	174.2	243.5	295.2	315.9
75°	104.8	146.1	214.0	258.3	271.6
77.5°	78.2	121.0	183.0	205.3	206.6
80°	57.6	93.1	138.7	146.1	152.0
82.5°	39.8	65.0	90.0	98.9	101.9
85°	25.2	38.4	51.7	56.0	56.0
87.5°	13.3	14.8	17.8	17.8	17.8
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)