

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: P732142

Luminaire Tested: **24CZ2-35-HRP-B2750-W2D-3000K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P732142
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P295011)
Test Lab: INNOVATIONS CENTER(G3)
Issue Date: 1/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 24CZ2-35-HRP-B2750-W2D-3000K
Description: 2X4 3500 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3000K CCT AND HRP LENS

Light Source: -
Ballast/Driver: -

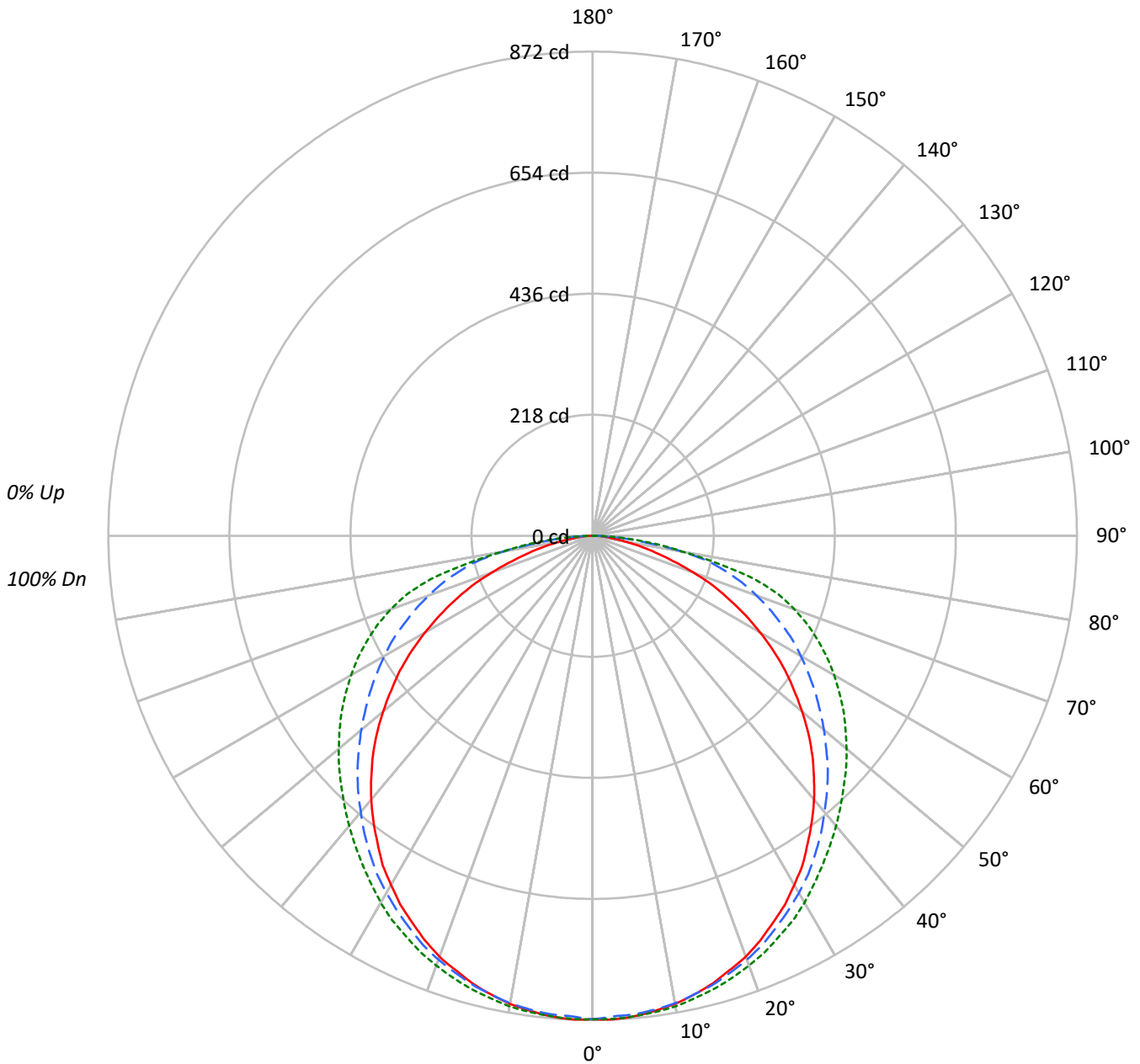
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2684.0 lumens
Efficiency: N/A
Efficacy: 95.9 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.3 / 1.4
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 28
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	86	84	82																			
2	98	89	82	76	95	87	80	75	83	78	73	80	75	71	77	73	70	67																			
3	89	78	69	62	86	76	68	62	73	66	61	70	64	59	68	63	58	56																			
4	81	68	59	52	79	67	59	52	65	57	51	62	56	50	60	54	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	38	50	43	38	49	42	38	36																			
7	63	50	41	34	62	49	40	34	47	39	34	46	39	34	44	38	33	31																			
8	59	45	36	30	57	44	36	30	43	36	30	42	35	30	41	34	30	28																			
9	55	41	33	27	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	24	35	29	24	23																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1229	1229	1229
5°	1231	1226	1231
10°	1227	1225	1233
15°	1220	1223	1235
20°	1212	1220	1237
25°	1197	1214	1239
30°	1183	1210	1243
35°	1163	1204	1245
40°	1143	1197	1256
45°	1117	1195	1276
50°	1081	1194	1310
55°	1042	1202	1358
60°	983	1221	1418
65°	908	1250	1497
70°	793	1294	1595
75°	643	1360	1648
80°	475	1334	1334
85°	364	983	1109



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.5	3.1
10°-20°	236.9	8.8
20°-30°	360.6	13.4
30°-40°	437.9	16.3
40°-50°	462.6	17.2
50°-60°	436.5	16.3
60°-70°	363.0	13.5
70°-80°	238.8	8.9
80°-90°	65.1	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°	680.0	25.3
0°-40°	1117.9	41.7
0°-60°	2017.1	75.2
0°-90°	2684.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2684.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	871	871	871	871	871	
5°	869	869	865	869	869	82
15°	835	836	837	845	845	235
25°	769	773	780	793	796	355
35°	675	683	699	717	722	423
45°	560	571	599	628	639	431
55°	424	442	489	535	552	377
65°	272	303	374	429	448	269
75°	118	172	249	296	302	127
85°	22	50	61	67	68	28
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	870.9	870.9	870.9	870.9	870.9
2.5°	872.0	870.9	866.3	870.9	870.9
5°	868.6	868.6	865.2	868.6	868.6
7.5°	862.9	862.9	860.7	865.2	865.2
10°	856.3	856.3	855.0	860.7	860.7
12.5°	846.1	847.2	846.1	852.8	852.8
15°	834.9	836.0	837.1	845.0	845.0
17.5°	820.3	822.5	824.7	833.8	834.9
20°	806.8	807.9	812.4	822.5	823.6
22.5°	788.7	792.2	797.8	807.9	811.2
25°	768.6	773.0	779.8	793.3	795.5
27.5°	749.4	752.9	761.8	776.4	781.0
30°	725.9	731.5	742.7	757.3	762.9
32.5°	703.4	709.0	722.5	738.3	742.7
35°	675.3	683.1	699.0	716.9	722.5
37.5°	648.4	656.2	675.3	695.5	702.3
40°	620.2	629.2	649.5	673.1	682.0
42.5°	589.9	602.3	624.8	650.6	660.8
45°	559.6	570.8	598.9	628.1	639.4
47.5°	526.9	540.4	570.8	605.6	619.1
50°	492.2	509.0	543.9	582.1	596.7
52.5°	457.3	476.4	515.7	558.5	574.2
55°	423.5	441.6	488.7	534.9	551.7
57.5°	386.6	409.0	460.7	510.1	526.9
60°	348.4	373.1	432.6	484.3	502.2
62.5°	310.2	338.2	405.6	457.3	476.4
65°	271.9	303.3	374.2	429.2	448.3
67.5°	234.8	269.7	344.9	400.1	419.1
70°	192.2	236.0	313.5	367.4	386.6
72.5°	152.9	203.4	283.2	333.8	350.6
75°	118.0	171.9	249.4	295.6	302.2
77.5°	86.6	140.5	214.6	230.4	231.5
80°	58.4	112.4	164.1	161.7	164.1
82.5°	38.2	84.2	103.4	115.8	116.9
85°	22.5	49.5	60.7	67.4	68.5
87.5°	11.3	16.8	21.4	22.5	24.7
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)