

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: P732167

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

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P732167
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: 24CZ2-35HE-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

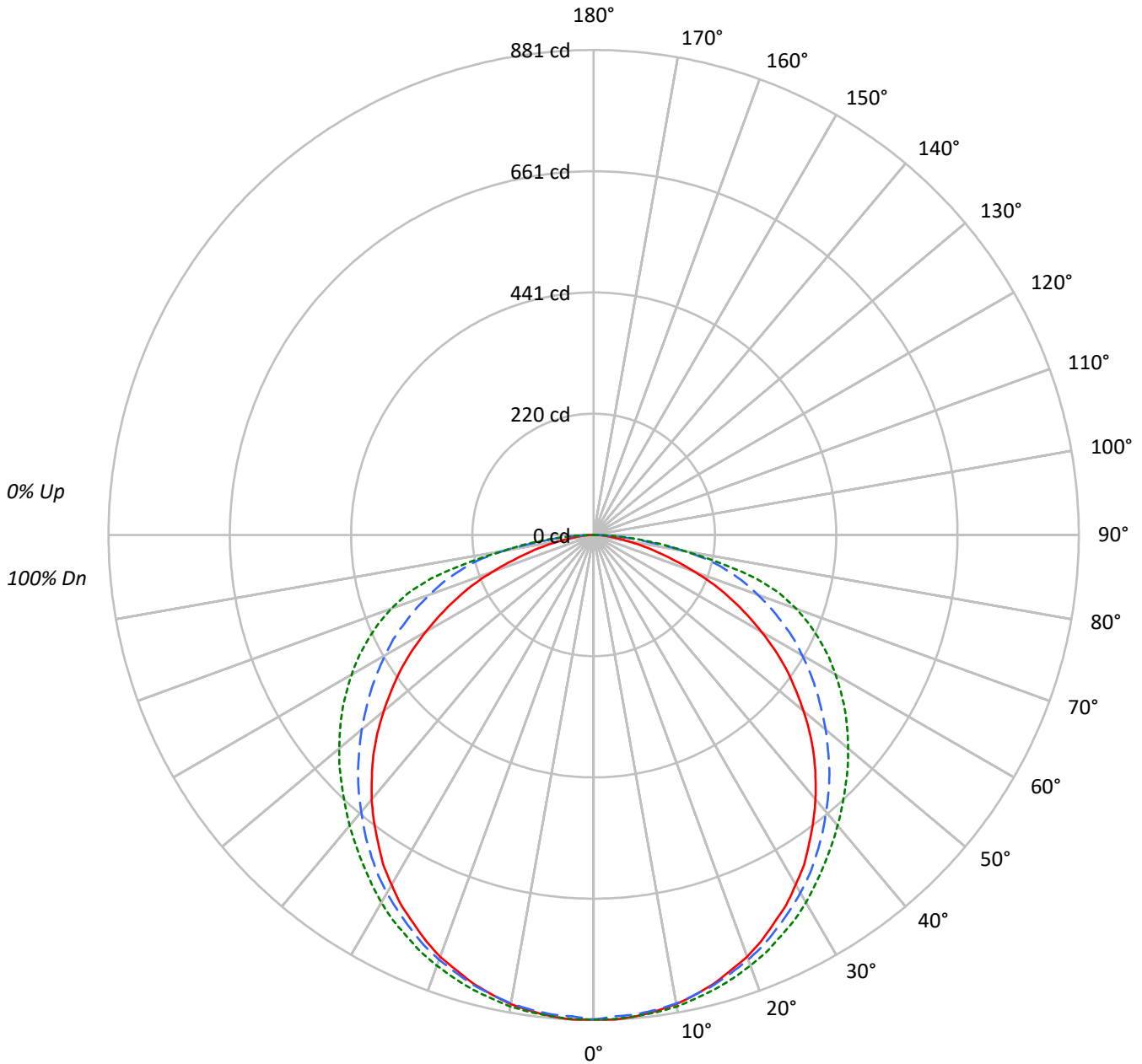
Lumens per Lamp: N/A
Luminaire Lumens: 2713.0 lumens
Efficiency: N/A
Efficacy: 104.3 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.3 / 1.4
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 26
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°	1242	1242	1242
5°	1244	1239	1244
10°	1240	1239	1247
15°	1233	1236	1248
20°	1225	1233	1250
25°	1210	1228	1252
30°	1196	1224	1257
35°	1176	1217	1258
40°	1155	1210	1270
45°	1129	1208	1290
50°	1092	1207	1324
55°	1053	1216	1372
60°	994	1234	1433
65°	918	1263	1513
70°	802	1308	1613
75°	651	1375	1666
80°	480	1348	1348
85°	369	994	1121



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.4	3.1
10°-20°	239.5	8.8
20°-30°	364.5	13.4
30°-40°	442.6	16.3
40°-50°	467.6	17.2
50°-60°	441.3	16.3
60°-70°	366.9	13.5
70°-80°	241.4	8.9
80°-90°	65.8	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°	687.4	25.3
0°-40°	1130.0	41.7
0°-60°	2038.9	75.2
0°-90°	2713.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2713.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	880	880	880	880	880	
5°	878	878	874	878	878	83
15°	844	845	846	854	854	238
25°	777	781	788	802	804	358
35°	683	690	706	725	730	427
45°	566	577	605	635	646	436
55°	428	446	494	541	558	381
65°	275	307	378	434	453	272
75°	119	174	252	299	306	129
85°	23	50	61	68	69	28
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	880.3	880.3	880.3	880.3	880.3
2.5°	881.4	880.3	875.6	880.3	880.3
5°	878.0	878.0	874.5	878.0	878.0
7.5°	872.3	872.3	870.0	874.5	874.5
10°	865.5	865.5	864.3	870.0	870.0
12.5°	855.3	856.4	855.3	862.0	862.0
15°	843.9	845.0	846.1	854.1	854.1
17.5°	829.1	831.4	833.6	842.8	843.9
20°	815.5	816.6	821.1	831.4	832.5
22.5°	797.3	800.8	806.4	816.6	820.0
25°	776.9	781.4	788.3	801.9	804.1
27.5°	757.5	761.0	770.0	784.8	789.4
30°	733.8	739.4	750.8	765.5	771.1
32.5°	711.0	716.6	730.3	746.3	750.8
35°	682.6	690.5	706.5	724.6	730.3
37.5°	655.4	663.3	682.6	703.0	709.9
40°	626.9	636.0	656.5	680.4	689.4
42.5°	596.3	608.8	631.5	657.6	667.9
45°	565.6	577.0	605.4	634.9	646.3
47.5°	532.6	546.3	577.0	612.1	625.8
50°	497.5	514.5	549.8	588.4	603.1
52.5°	462.3	481.5	521.3	564.5	580.4
55°	428.1	446.4	494.0	540.6	557.6
57.5°	390.8	413.4	465.6	515.6	532.6
60°	352.1	377.1	437.3	489.5	507.6
62.5°	313.5	341.9	410.0	462.3	481.5
65°	274.9	306.6	378.3	433.9	453.1
67.5°	237.4	272.6	348.6	404.4	423.6
70°	194.3	238.5	316.9	371.4	390.8
72.5°	154.5	205.6	286.3	337.4	354.4
75°	119.3	173.8	252.1	298.8	305.5
77.5°	87.5	142.0	216.9	232.9	234.0
80°	59.0	113.6	165.9	163.5	165.9
82.5°	38.6	85.1	104.5	117.0	118.1
85°	22.8	50.0	61.4	68.1	69.2
87.5°	11.4	17.0	21.6	22.8	25.0
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)