

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: P843004

Luminaire Tested: **24CZ2-30HE-SQR-UNV-B35**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P843004
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P388488)
Test Lab: INNOVATION CENTER (G2)
Issue Date: 1/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 24CZ2-30HE-SQR-UNV-B35
Description: 2X4 3000 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3500K CCT AND SQR LENS

Light Source: -
Ballast/Driver: -

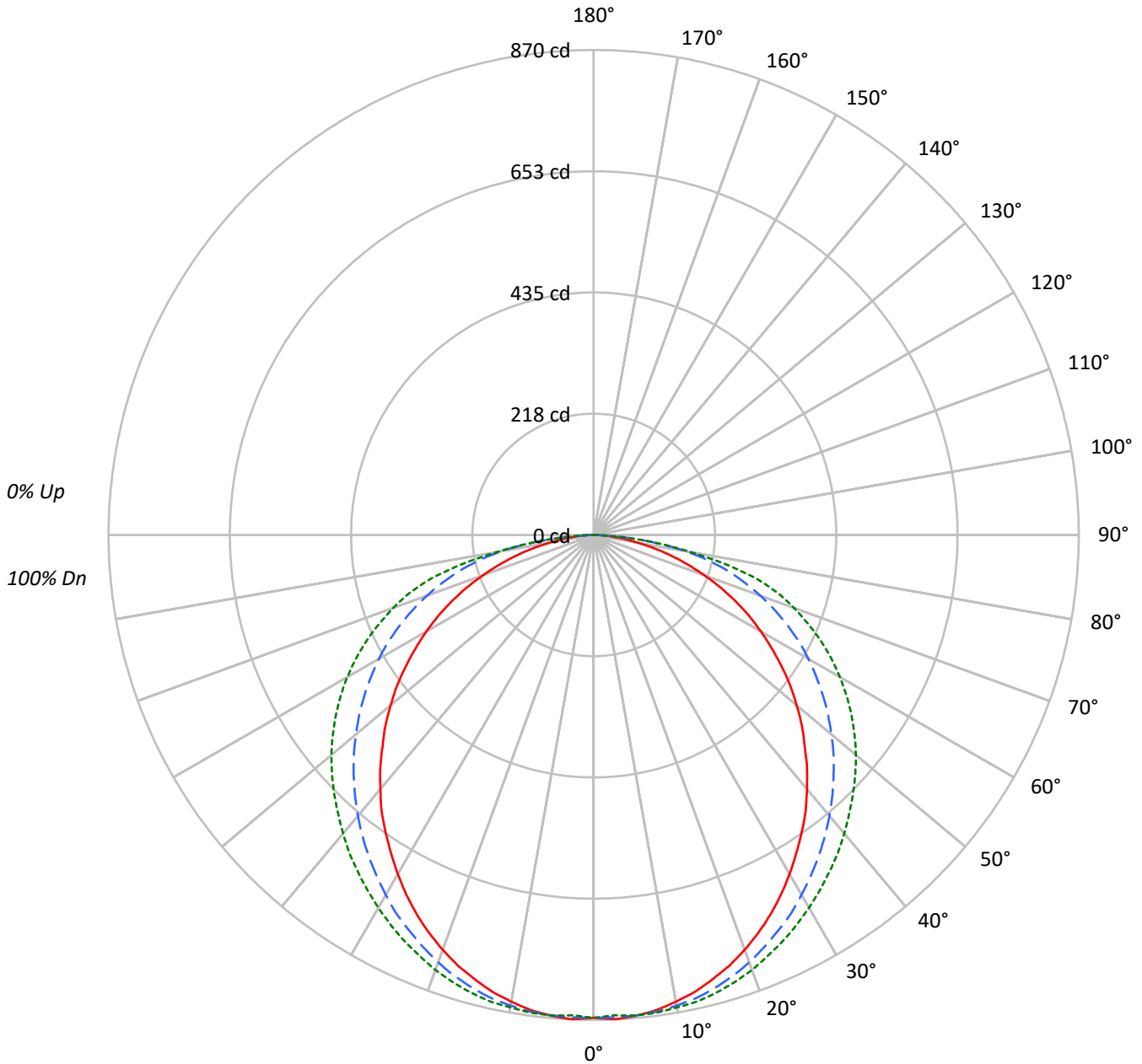
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2710.0 lumens
Efficiency: N/A
Efficacy: 123.2 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.33 / 1.41
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 22
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	100	96	92	96	93	89	92	89	87	89	86	84	82																			
2	98	89	81	75	95	87	80	74	83	78	73	80	75	71	77	73	69	67																			
3	89	77	69	62	86	76	68	61	73	66	60	70	64	59	67	62	58	56																			
4	81	68	59	52	78	67	58	52	64	57	51	62	55	50	60	54	49	47																			
5	74	61	51	44	72	60	51	44	57	50	44	55	49	43	54	48	43	41																			
6	68	55	45	39	66	54	45	38	52	44	38	50	43	38	48	42	37	35																			
7	63	49	40	34	62	49	40	34	47	39	34	45	39	33	44	38	33	31																			
8	59	45	36	30	57	44	36	30	43	35	30	42	35	30	40	34	30	28																			
9	55	41	33	27	54	41	33	27	39	32	27	38	32	27	37	31	27	25																			
10	52	38	30	25	50	37	30	24	36	29	24	36	29	24	35	29	24	22																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1223	1223	1223
5°	1227	1226	1226
10°	1218	1229	1234
15°	1205	1229	1242
20°	1190	1226	1247
25°	1169	1219	1251
30°	1145	1215	1259
35°	1121	1212	1270
40°	1096	1212	1288
45°	1068	1215	1313
50°	1043	1222	1348
55°	1013	1235	1389
60°	977	1255	1440
65°	935	1279	1500
70°	868	1311	1577
75°	786	1357	1650
80°	662	1361	1417
85°	507	1028	1028



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.2	3.0
10°-20°	236.6	8.7
20°-30°	359.3	13.3
30°-40°	437.1	16.1
40°-50°	465.4	17.2
50°-60°	443.2	16.4
60°-70°	370.6	13.7
70°-80°	247.2	9.1
80°-90°	68.4	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°	678.2	25.0
0°-40°	1115.3	41.2
0°-60°	2023.8	74.7
0°-90°	2710.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2710.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	866	866	866	866	866	
5°	866	861	865	865	865	82
15°	825	827	841	848	850	233
25°	751	761	783	796	804	346
35°	651	669	703	727	737	407
45°	535	564	608	643	658	414
55°	412	447	502	546	565	368
65°	280	321	383	430	449	277
75°	144	190	249	291	302	153
85°	31	58	64	63	64	38
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	866.2	866.2	866.2	866.2	866.2
2.5°	869.8	863.5	866.2	866.2	862.7
5°	866.2	860.9	865.4	865.4	865.4
7.5°	860.0	855.5	862.7	864.5	864.5
10°	850.2	848.4	857.4	860.0	860.9
12.5°	839.5	838.5	851.1	854.6	857.4
15°	825.0	826.9	841.2	847.5	850.2
17.5°	809.9	813.4	829.6	838.5	841.2
20°	792.0	797.4	816.2	825.0	830.5
22.5°	772.3	780.4	800.0	810.7	817.0
25°	750.8	760.6	783.0	796.4	803.6
27.5°	727.6	740.1	766.1	781.2	788.4
30°	702.5	716.8	745.5	763.4	772.3
32.5°	676.5	693.5	724.9	744.6	755.3
35°	650.6	669.4	703.4	726.6	737.3
37.5°	624.6	643.4	681.1	706.1	719.5
40°	595.1	617.4	657.8	685.5	699.0
42.5°	566.5	590.6	633.6	664.0	678.4
45°	535.1	563.8	608.5	642.6	657.8
47.5°	506.5	535.1	583.5	619.3	636.3
50°	475.2	505.6	556.6	596.0	613.9
52.5°	444.7	476.1	529.7	571.8	589.8
55°	411.7	447.4	502.1	545.9	564.6
57.5°	378.6	417.1	473.3	519.0	537.9
60°	346.3	385.6	444.7	490.4	510.1
62.5°	314.1	353.4	415.2	461.7	480.6
65°	280.0	321.2	383.0	430.4	449.3
67.5°	246.1	289.0	350.8	398.2	416.1
70°	210.3	256.0	317.7	364.3	382.2
72.5°	177.2	222.8	283.7	329.4	346.3
75°	144.1	189.7	248.8	290.9	302.5
77.5°	111.9	157.5	210.3	238.1	240.7
80°	81.4	124.4	167.4	175.4	174.4
82.5°	54.5	93.0	115.5	116.3	119.0
85°	31.3	58.1	63.5	62.7	63.5
87.5°	12.6	20.6	17.9	13.4	13.4
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)