

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: P842980

Luminaire Tested: **24CZ2-30-HRP-UNV-B35**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P842980
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: 24CZ2-30-HRP-UNV-B35
Description: 2X4 3000 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3500K CCT AND HRP LENS

Light Source: -
Ballast/Driver: -

Summary

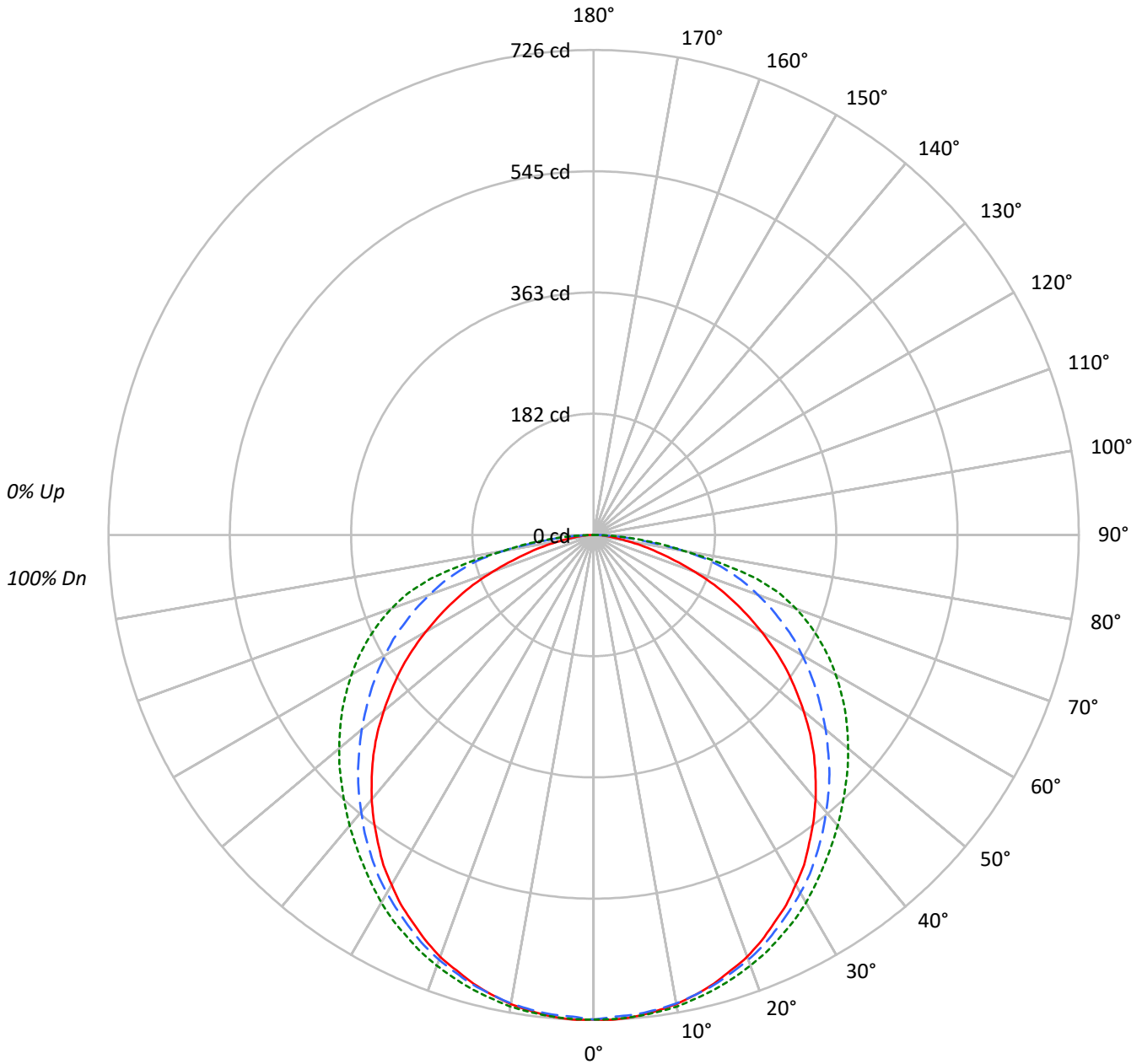
Lumens per Lamp: N/A
Luminaire Lumens: 2236.0 lumens
Efficiency: N/A
Efficacy: 97.2 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.3 / 1.4
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 23
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°	1024	1024	1024
5°	1025	1021	1025
10°	1022	1021	1028
15°	1016	1019	1029
20°	1009	1016	1030
25°	997	1012	1032
30°	986	1008	1036
35°	969	1003	1037
40°	952	997	1047
45°	931	996	1063
50°	900	995	1091
55°	868	1002	1131
60°	819	1017	1181
65°	757	1041	1247
70°	661	1078	1329
75°	536	1133	1373
80°	395	1111	1111
85°	304	819	925



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.7	3.1
10°-20°	197.4	8.8
20°-30°	300.4	13.4
30°-40°	364.8	16.3
40°-50°	385.4	17.2
50°-60°	363.7	16.3
60°-70°	302.4	13.5
70°-80°	199.0	8.9
80°-90°	54.2	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°	566.5	25.3
0°-40°	931.3	41.7
0°-60°	1680.4	75.2
0°-90°	2236.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2236.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	726	726	726	726	726	
5°	724	724	721	724	724	69
15°	696	696	697	704	704	196
25°	640	644	650	661	663	295
35°	563	569	582	597	602	352
45°	466	476	499	523	533	359
55°	353	368	407	446	460	314
65°	227	253	312	358	374	224
75°	98	143	208	246	252	106
85°	19	41	51	56	57	23
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	725.5	725.5	725.5	725.5	725.5
2.5°	726.4	725.5	721.7	725.5	725.5
5°	723.6	723.6	720.8	723.6	723.6
7.5°	718.9	718.9	717.0	720.8	720.8
10°	713.3	713.3	712.3	717.0	717.0
12.5°	704.9	705.8	704.9	710.5	710.5
15°	695.5	696.4	697.4	704.0	704.0
17.5°	683.4	685.2	687.1	694.6	695.5
20°	672.1	673.1	676.8	685.2	686.1
22.5°	657.1	660.0	664.6	673.1	675.8
25°	640.3	644.0	649.7	660.9	662.8
27.5°	624.3	627.2	634.6	646.8	650.6
30°	604.8	609.4	618.8	630.9	635.6
32.5°	586.0	590.6	601.9	615.1	618.8
35°	562.6	569.1	582.3	597.2	601.9
37.5°	540.2	546.6	562.6	579.4	585.1
40°	516.7	524.2	541.1	560.8	568.2
42.5°	491.4	501.7	520.5	542.0	550.5
45°	466.2	475.6	498.9	523.3	532.6
47.5°	439.0	450.2	475.6	504.5	515.7
50°	410.0	424.0	453.1	484.9	497.1
52.5°	381.0	396.8	429.6	465.3	478.3
55°	352.9	367.9	407.1	445.6	459.6
57.5°	322.1	340.7	383.8	425.0	439.0
60°	290.2	310.8	360.4	403.4	418.4
62.5°	258.4	281.8	337.9	381.0	396.8
65°	226.6	252.7	311.8	357.6	373.5
67.5°	195.6	224.7	287.3	333.3	349.1
70°	160.1	196.6	261.2	306.1	322.1
72.5°	127.3	169.5	235.9	278.1	292.1
75°	98.3	143.2	207.8	246.2	251.8
77.5°	72.1	117.0	178.7	191.9	192.9
80°	48.6	93.7	136.7	134.8	136.7
82.5°	31.8	70.2	86.1	96.4	97.4
85°	18.8	41.2	50.6	56.1	57.1
87.5°	9.4	14.0	17.8	18.8	20.6
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)