

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: P842939

Luminaire Tested: **22CZ2-34HE-RDP-UNV-B40**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P842939
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P274731)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 1/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22CZ2-34HE-RDP-UNV-B40
Description: 2X2 3400 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 4000K CCT AND RDP LENS

Light Source: -
Ballast/Driver: -

Summary

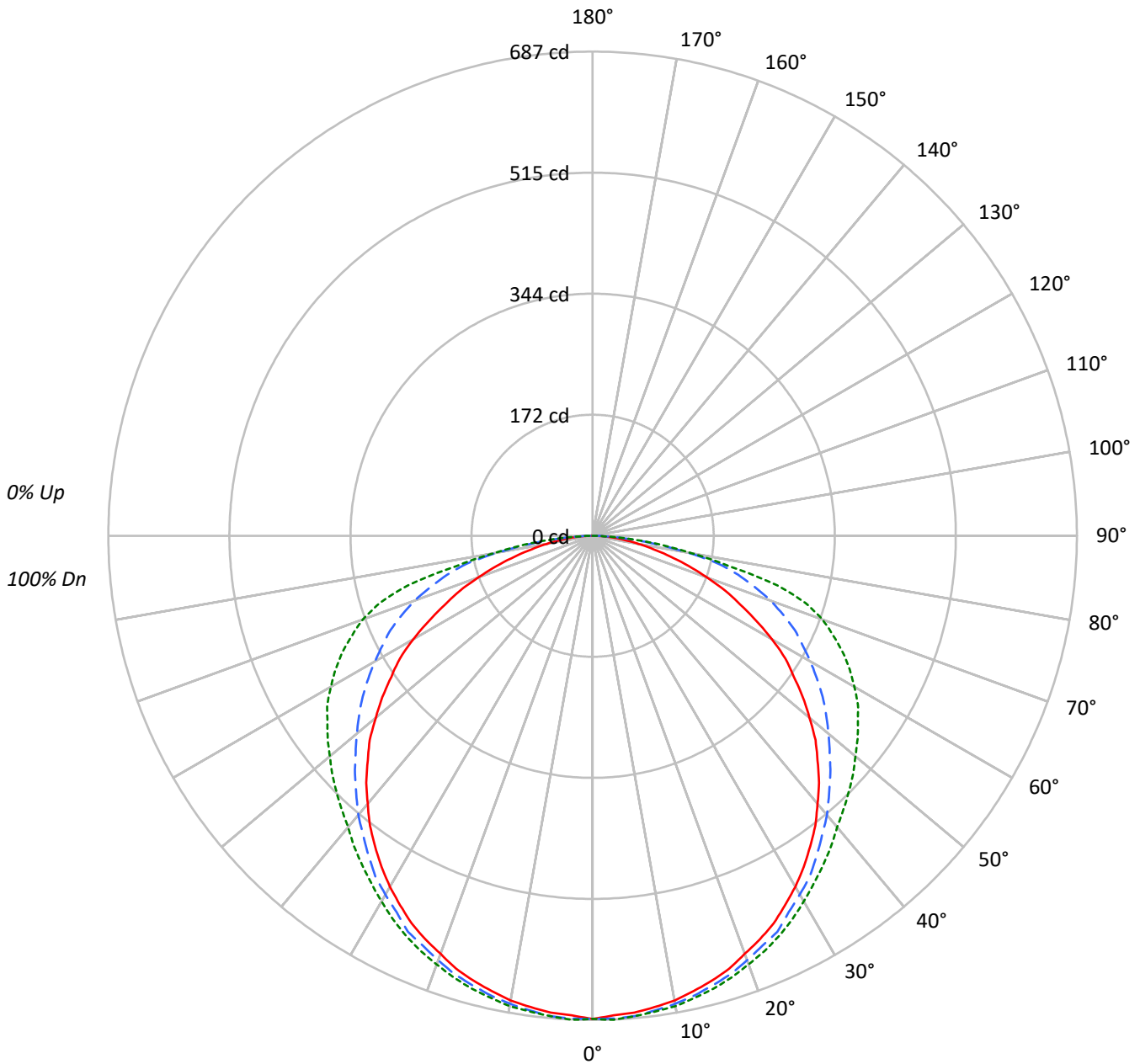
Lumens per Lamp: N/A
Luminaire Lumens: 2183.0 lumens
Efficiency: N/A
Efficacy: 72.8 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.3 / 1.41
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')
CIE Type: Direct

Input Watts (W): 30
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

TEST NUMBER: P842939

CATALOG NUMBER: 22CZ2-34HE-RDP-UNV-B40

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	92	89	92	89	86	88	86	84	82																			
2	97	88	81	75	95	86	80	74	83	77	72	80	75	71	76	72	69	67																			
3	88	77	68	61	86	75	67	61	72	65	60	70	64	59	67	62	58	55																			
4	80	68	59	51	78	66	58	51	64	56	50	61	55	50	59	54	49	47																			
5	74	60	51	44	72	59	50	44	57	49	43	55	48	43	53	47	42	40																			
6	68	54	45	38	66	53	44	38	51	43	38	50	43	37	48	42	37	35																			
7	63	49	40	33	61	48	39	33	47	39	33	45	38	33	44	37	33	31																			
8	59	45	36	30	57	44	35	30	43	35	29	41	34	29	40	34	29	27																			
9	55	41	32	27	53	40	32	27	39	32	26	38	31	26	37	31	26	24																			
10	51	38	30	24	50	37	29	24	36	29	24	35	29	24	34	28	24	22																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1945	1945	1945
5°	1935	1949	1949
10°	1929	1943	1953
15°	1920	1939	1953
20°	1906	1935	1954
25°	1901	1941	1961
30°	1884	1926	1963
35°	1864	1919	1975
40°	1838	1916	1999
45°	1811	1914	2062
50°	1772	1928	2148
55°	1724	1970	2272
60°	1667	2023	2433
65°	1553	2124	2631
70°	1424	2226	2877
75°	1251	2341	2975
80°	1075	2231	2335
85°	938	1618	1774



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.9	3.0
10°-20°	186.2	8.5
20°-30°	284.2	13.0
30°-40°	346.9	15.9
40°-50°	371.0	17.0
50°-60°	358.1	16.4
60°-70°	308.2	14.1
70°-80°	208.5	9.6
80°-90°	55.0	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°	535.3	24.5
0°-40°	882.2	40.4
0°-60°	1611.2	73.8
0°-90°	2183.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2183.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	686	686	686	686	686	
5°	679	681	684	684	684	65
15°	654	655	660	663	665	184
25°	607	610	620	623	626	279
35°	538	543	554	565	570	337
45°	451	459	477	501	514	348
55°	348	360	398	438	459	312
65°	231	254	316	366	392	230
75°	114	151	214	257	271	122
85°	29	40	50	51	54	32
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	685.6	685.6	685.6	685.6	<i>685.6</i>
2.5°	<i>681.0</i>	<i>682.5</i>	<i>685.6</i>	<i>685.6</i>	<i>687.4</i>
5°	679.3	681.0	684.1	684.1	<i>684.1</i>
7.5°	674.4	676.2	679.3	681.0	<i>681.0</i>
10°	669.6	671.3	674.4	676.2	<i>677.7</i>
12.5°	661.7	663.2	668.0	671.3	<i>671.3</i>
15°	653.5	655.3	660.1	663.2	<i>664.9</i>
17.5°	644.1	647.1	652.0	655.3	<i>656.8</i>
20°	631.1	634.4	640.8	645.6	<i>647.1</i>
22.5°	619.9	623.2	629.5	634.4	<i>637.5</i>
25°	607.1	610.2	619.9	623.2	<i>626.3</i>
27.5°	591.1	594.2	602.3	608.7	<i>613.5</i>
30°	575.0	578.1	587.8	595.7	<i>599.0</i>
32.5°	557.2	562.0	573.3	579.6	<i>584.5</i>
35°	538.1	542.7	554.1	565.3	<i>570.2</i>
37.5°	518.7	523.6	534.8	549.3	<i>555.7</i>
40°	496.3	502.7	517.2	536.3	<i>539.6</i>
42.5°	475.4	483.3	496.3	518.7	<i>526.7</i>
45°	451.2	459.3	476.9	501.1	<i>513.9</i>
47.5°	428.8	436.7	456.1	485.1	<i>501.1</i>
50°	401.5	412.7	436.7	470.6	<i>486.6</i>
52.5°	375.8	385.5	417.6	454.5	<i>473.7</i>
55°	348.5	359.7	398.2	438.5	<i>459.3</i>
57.5°	324.3	334.0	377.3	422.4	<i>446.4</i>
60°	293.8	306.7	356.5	404.6	<i>428.8</i>
62.5°	261.7	281.0	335.6	385.5	<i>411.2</i>
65°	231.3	253.8	316.4	366.1	<i>391.8</i>
67.5°	203.9	228.0	292.2	345.2	<i>369.4</i>
70°	171.7	202.3	268.3	319.5	<i>346.8</i>
72.5°	142.9	176.6	240.8	292.2	<i>316.4</i>
75°	114.1	150.9	213.5	257.0	<i>271.4</i>
77.5°	88.4	123.6	183.2	195.9	<i>197.5</i>
80°	65.8	97.9	136.5	138.1	<i>142.9</i>
82.5°	44.9	69.0	88.4	96.3	<i>97.9</i>
85°	28.8	40.2	49.7	51.4	<i>54.5</i>
87.5°	12.8	14.5	17.6	16.1	<i>16.1</i>
90°	0.0	0.0	0.0	0.0	<i>0.0</i>



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180° - - 45°-225° - - - - 90°-270°







(END OF REPORT)