

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: P732012

Luminaire Tested: **22CZ2-34HE-B2750-W2D-3000K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P732012
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P271965)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 1/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22CZ2-34HE-B2750-W2D-3000K
Description: 2X2 3400 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3000K CCT AND RIBBED LENS

Light Source: -
Ballast/Driver: -

Summary

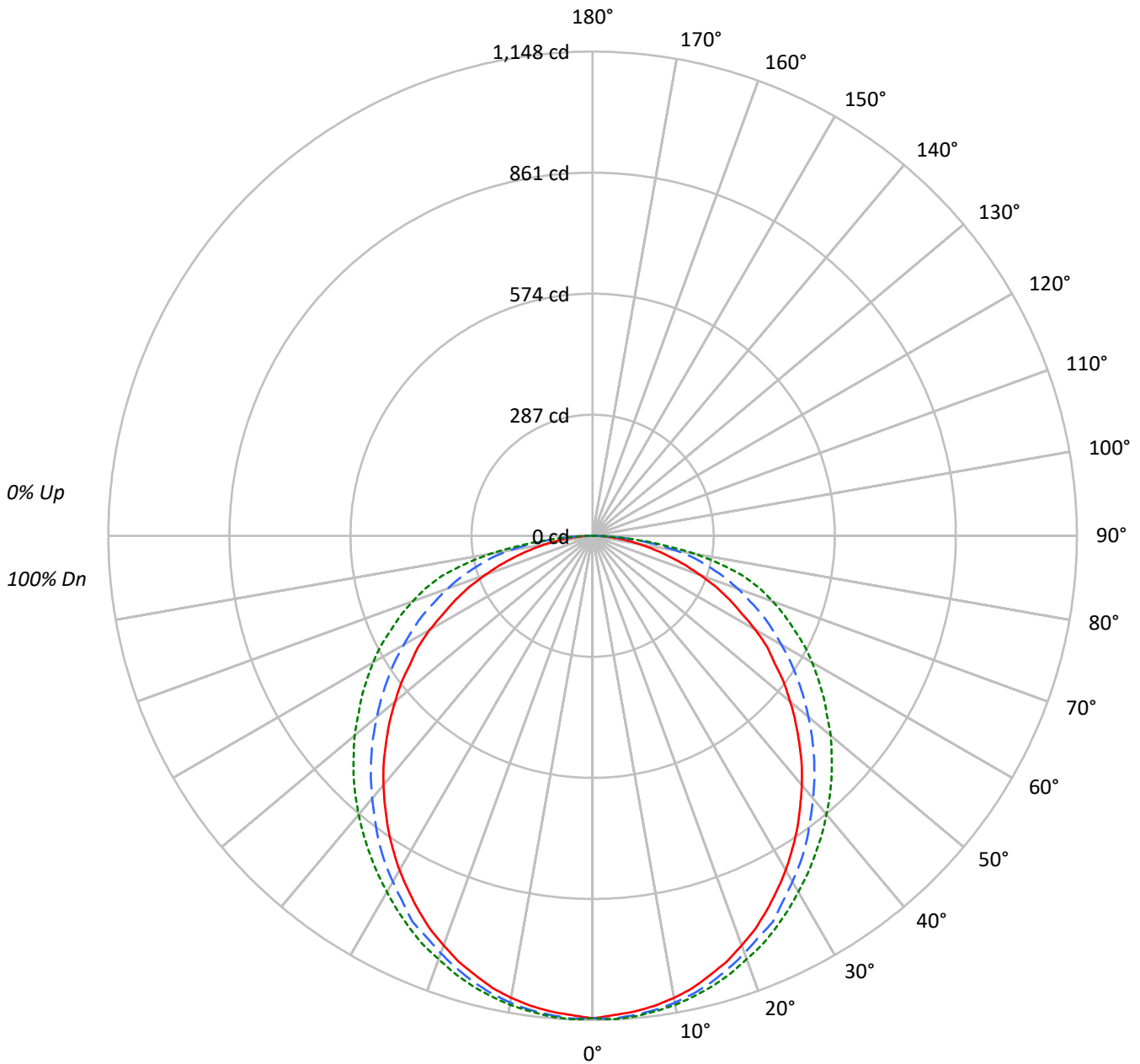
Lumens per Lamp: N/A
Luminaire Lumens: 3365.0 lumens
Efficiency: N/A
Efficacy: 112.2 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.36
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')
CIE Type: Direct

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

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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	81	75	84	78	73	80	76	71	77	73	70	68																			
3	89	78	69	63	86	76	68	62	73	66	61	70	65	60	68	63	59	56																			
4	81	69	60	53	79	67	59	52	65	57	52	63	56	51	60	55	50	48																			
5	75	61	52	45	72	60	52	45	58	50	44	56	49	44	54	48	43	41																			
6	69	55	46	39	67	54	46	39	52	45	39	51	44	39	49	43	38	36																			
7	64	50	41	35	62	49	41	35	48	40	34	46	39	34	45	39	34	32																			
8	59	46	37	31	58	45	37	31	44	36	31	42	35	30	41	35	30	28																			
9	56	42	34	28	54	41	33	28	40	33	28	39	32	27	38	32	27	25																			
10	52	39	31	25	51	38	30	25	37	30	25	36	30	25	35	29	25	23																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3246	3246	3246
5°	3226	3249	3259
10°	3206	3239	3254
15°	3166	3215	3244
20°	3120	3180	3225
25°	3064	3162	3214
30°	3000	3104	3196
35°	2931	3063	3189
40°	2858	3011	3195
45°	2778	2977	3216
50°	2697	2945	3253
55°	2605	2933	3309
60°	2528	2932	3411
65°	2401	2980	3536
70°	2240	3036	3764
75°	2052	3141	4066
80°	1786	3273	4003
85°	1566	2911	3184



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.2	3.2
10°-20°	308.2	9.2
20°-30°	462.7	13.7
30°-40°	552.8	16.4
40°-50°	574.9	17.1
50°-60°	532.8	15.8
60°-70°	437.0	13.0
70°-80°	295.5	8.8
80°-90°	92.9	2.8
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°	879.1	26.1
0°-40°	1431.9	42.6
0°-60°	2539.6	75.5
0°-90°	3365.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3365.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1144	1144	1144	1144	1144	
5°	1133	1134	1141	1142	1144	107
15°	1078	1083	1094	1101	1104	304
25°	978	987	1010	1022	1027	451
35°	846	858	884	911	921	529
45°	692	705	742	785	801	534
55°	527	543	593	646	669	473
65°	358	378	444	502	527	354
75°	187	218	286	344	371	198
85°	48	66	89	99	98	55
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1144.1	1144.1	1144.1	<i>1144.1</i>	1144.1
2.5°	<i>1137.5</i>	<i>1140.7</i>	<i>1145.7</i>	<i>1147.5</i>	<i>1147.5</i>
5°	1132.6	1134.2	1140.7	<i>1142.5</i>	1144.1
7.5°	1124.2	1127.6	1134.2	<i>1136.0</i>	1137.5
10°	1112.6	1116.0	1124.2	<i>1127.6</i>	1129.2
12.5°	1097.8	1101.0	1111.0	<i>1116.0</i>	1117.6
15°	1077.9	1082.9	1094.4	<i>1101.0</i>	1104.4
17.5°	1058.1	1062.9	1074.7	<i>1084.5</i>	1087.9
20°	1033.2	1044.8	1053.1	<i>1066.3</i>	1067.9
22.5°	1008.4	1015.0	1029.8	<i>1043.2</i>	1049.8
25°	978.5	986.9	1010.0	<i>1021.6</i>	1026.6
27.5°	947.2	958.8	976.9	<i>995.1</i>	1001.7
30°	915.7	923.8	947.2	<i>968.5</i>	975.3
32.5°	880.9	892.5	917.3	<i>938.8</i>	948.8
35°	846.0	857.6	884.1	<i>910.7</i>	920.7
37.5°	808.1	821.3	847.8	<i>879.2</i>	892.5
40°	771.6	781.6	812.9	<i>851.0</i>	862.6
42.5°	733.5	745.1	778.2	<i>819.7</i>	832.9
45°	692.2	705.4	741.9	<i>784.8</i>	801.3
47.5°	652.3	665.6	705.4	<i>748.5</i>	768.2
50°	611.0	627.5	667.2	<i>716.9</i>	736.9
52.5°	571.3	586.2	630.9	<i>682.2</i>	700.4
55°	526.6	543.1	592.8	<i>645.7</i>	668.8
57.5°	490.1	501.6	556.3	<i>611.0</i>	634.1
60°	445.4	460.3	516.6	<i>574.5</i>	601.0
62.5°	397.5	422.2	480.1	<i>539.7</i>	566.3
65°	357.6	377.5	443.8	<i>501.6</i>	526.6
67.5°	316.3	337.8	402.3	<i>463.7</i>	491.9
70°	270.0	298.1	365.9	<i>427.2</i>	453.7
72.5°	228.5	258.4	327.8	<i>387.5</i>	415.6
75°	187.2	218.5	286.5	<i>344.4</i>	370.9
77.5°	147.5	182.2	248.4	<i>293.1</i>	309.7
80°	109.3	142.5	200.3	<i>231.9</i>	245.0
82.5°	76.2	104.4	147.5	<i>164.0</i>	167.2
85°	48.1	66.2	89.4	<i>99.4</i>	97.8
87.5°	21.5	26.5	33.1	<i>36.5</i>	34.7
90°	0.0	0.0	0.0	<i>0.0</i>	0.0



Report Generated By 670246072 / DESKTOP-50001EG





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







(END OF REPORT)