

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: P732026

Luminaire Tested: **22CZ2-34HE-S-B2750-W2D-2700K**

Issue Date: 1/5/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P732026  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P272009)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 1/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 22CZ2-34HE-S-B2750-W2D-2700K  
Description: 2X2 3400 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 2700K CCT AND SMOOTH LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

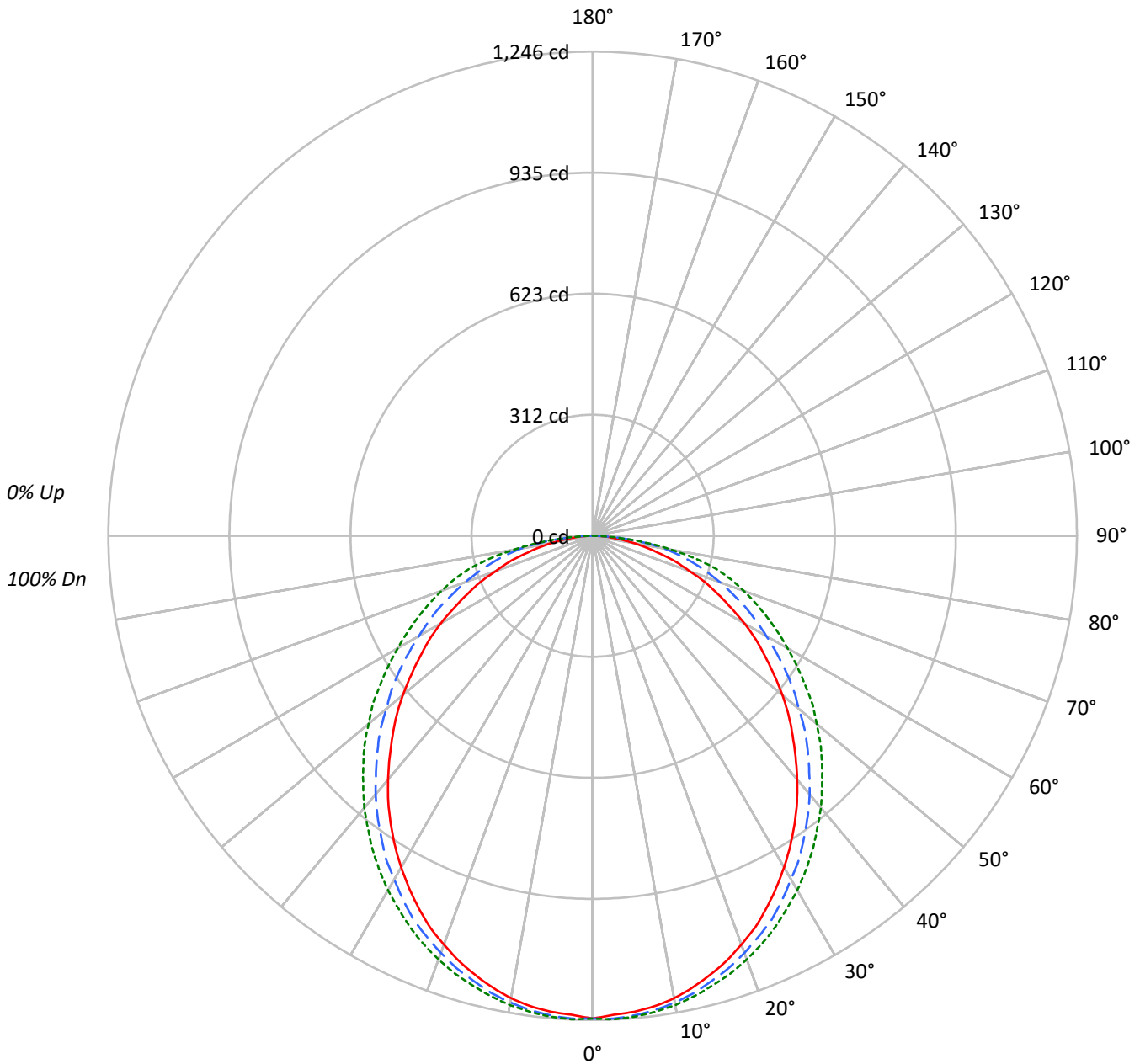
Lumens per Lamp: N/A  
Luminaire Lumens: 3467.0 lumens  
Efficiency: N/A  
Efficacy: 115.6 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.26 / 1.34  
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')  
CIE Type: Direct

Input Watts (W): 30  
Input Voltage (V): NR  
Input Current (Ain): 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	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	83																			
2	98	90	83	77	96	88	82	76	84	79	74	81	77	73	78	74	71	69																			
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58																			
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	61	56	52	49																			
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43																			
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37																			
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33																			
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	31	30																			
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	28	27																			
10	53	40	32	26	51	39	31	26	38	31	26	37	31	26	36	30	26	24																			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	3525	3525	3525
5°	3502	3529	3539
10°	3482	3514	3533
15°	3436	3483	3517
20°	3380	3448	3502
25°	3312	3414	3479
30°	3228	3344	3450
35°	3138	3284	3418
40°	3032	3217	3385
45°	2921	3142	3350
50°	2813	3057	3321
55°	2681	3001	3297
60°	2561	2928	3287
65°	2390	2911	3324
70°	2201	2885	3422
75°	1985	2926	3601
80°	1717	3013	3383
85°	1423	2526	2526



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	117.5	3.4
10°-20°	334.3	9.6
20°-30°	500.3	14.4
30°-40°	592.4	17.1
40°-50°	603.8	17.4
50°-60°	541.2	15.6
60°-70°	423.7	12.2
70°-80°	273.2	7.9
80°-90°	80.7	2.3
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°	952.1	27.5
0°-40°	1544.5	44.5
0°-60°	2689.5	77.6
0°-90°	3467.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3467.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1242	1242	1242	1242	1242	
5°	1230	1233	1239	1241	1242	117
15°	1170	1176	1186	1195	1197	330
25°	1058	1068	1090	1105	1111	487
35°	906	917	948	977	987	566
45°	728	744	783	823	835	562
55°	542	560	607	649	666	486
65°	356	377	434	476	495	354
75°	181	209	267	312	328	194
85°	44	60	78	78	78	51
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1242.3	1242.3	1242.3	1242.3	1242.3
2.5°	1234.2	1237.5	1243.9	1245.7	1245.7
5°	1229.5	1232.6	1239.0	1240.8	1242.3
7.5°	1221.3	1222.9	1231.0	1234.2	1235.9
10°	1208.4	1211.5	1219.7	1224.6	1226.2
12.5°	1190.5	1195.4	1205.1	1211.5	1213.3
15°	1169.6	1176.1	1185.6	1195.4	1197.1
17.5°	1146.8	1153.5	1166.3	1177.6	1180.9
20°	1119.3	1127.5	1142.0	1155.0	1159.9
22.5°	1091.9	1098.3	1116.2	1132.4	1137.3
25°	1057.9	1067.7	1090.3	1104.9	1111.3
27.5°	1022.3	1033.6	1056.4	1075.7	1082.1
30°	985.2	996.5	1020.7	1045.1	1053.1
32.5°	946.2	959.3	988.3	1012.7	1020.7
35°	905.9	917.2	948.0	977.0	986.8
37.5°	863.8	873.5	909.2	939.8	949.5
40°	818.6	831.4	868.6	904.3	913.9
42.5°	773.1	787.8	825.0	863.8	873.5
45°	727.9	744.1	782.9	823.4	834.7
47.5°	684.2	697.1	741.0	779.8	795.9
50°	637.3	650.3	692.4	736.1	752.3
52.5°	588.7	606.7	651.9	694.0	713.3
55°	541.9	559.7	606.7	648.8	666.5
57.5°	498.3	512.7	561.2	604.9	622.8
60°	451.3	464.3	516.0	563.0	579.2
62.5°	401.2	420.5	473.9	517.6	537.1
65°	356.0	376.8	433.5	475.7	495.0
67.5°	313.9	333.2	388.3	433.5	454.6
70°	265.3	291.2	347.8	393.0	412.5
72.5°	226.5	249.1	307.4	352.6	373.7
75°	181.1	208.6	266.9	312.3	328.5
77.5°	144.1	171.5	226.5	262.0	270.2
80°	105.1	132.6	184.4	202.2	207.0
82.5°	71.2	97.1	132.6	137.4	139.2
85°	43.7	59.8	77.6	77.6	77.6
87.5°	21.1	24.2	27.5	25.9	25.9
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)