

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: P731892

Luminaire Tested: **14CZ2-39-HRP-B2750-W2D-3000K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P731892
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P294787)
Test Lab: INNOVATIONS CENTER(G3)
Issue Date: 1/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 14CZ2-39-HRP-B2750-W2D-3000K
Description: 1X4 3900 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3000K CCT AND HRP LENS

Light Source: -
Ballast/Driver: -

Summary

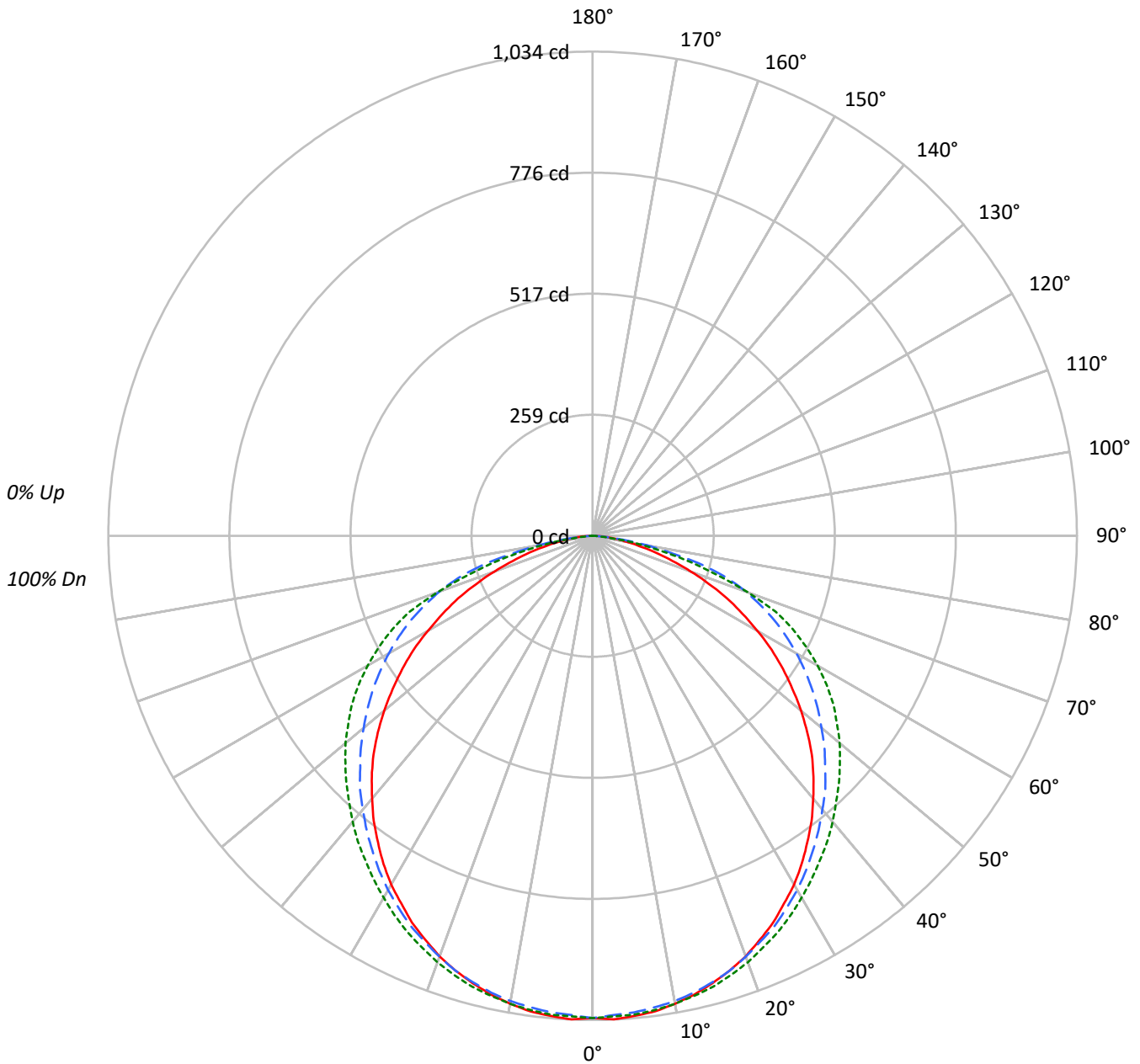
Lumens per Lamp: N/A
Luminaire Lumens: 3033.0 lumens
Efficiency: N/A
Efficacy: 97.8 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.29 / 1.39
Luminous Opening: Rectangular (W 0.96' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 31
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									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	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	100	100	100	100	100	100	100	100	100	100																
	1	109	104	100	96	106	102	98	94	97	94	91	93	91	88	90	88	86	84	84	84	84	84	84	84	84	84	84	84																
	2	99	90	83	78	96	88	82	77	85	79	75	82	77	73	78	75	71	69	69	69	69	69	69	69	69	69	69	69																
	3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58	58	58	58	58	58	58	58	58	58	58																
	4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49	49	49	49	49	49	49	49	49	49	49																
	5	75	62	53	46	73	61	53	46	59	51	46	57	50	45	55	49	45	42	42	42	42	42	42	42	42	42	42	42																
	6	69	56	47	40	68	55	46	40	53	45	40	51	45	39	50	44	39	37	37	37	37	37	37	37	37	37	37	37																
	7	64	51	42	36	63	50	41	35	48	41	35	47	40	35	45	39	35	33	33	33	33	33	33	33	33	33	33	33																
	8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	36	31	29	29	29	29	29	29	29	29	29	29	29																
	9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26	26	26	26	26	26	26	26	26	26	26																
	10	52	39	31	26	51	38	31	26	37	30	26	37	30	25	36	30	25	24	24	24	24	24	24	24	24	24	24	24																

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2907	2907	2907
5°	2916	2894	2908
10°	2908	2892	2908
15°	2890	2885	2912
20°	2870	2873	2911
25°	2840	2863	2911
30°	2804	2847	2909
35°	2754	2826	2915
40°	2699	2811	2937
45°	2642	2802	2970
50°	2550	2801	3024
55°	2441	2816	3088
60°	2293	2837	3129
65°	2115	2866	3146
70°	1843	2872	2896
75°	1519	2674	2340
80°	1193	1923	1565
85°	929	742	366



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.5	3.2
10°-20°	279.8	9.2
20°-30°	424.9	14.0
30°-40°	514.9	17.0
40°-50°	542.5	17.9
50°-60°	506.5	16.7
60°-70°	404.8	13.3
70°-80°	222.8	7.3
80°-90°	39.3	1.3
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°	802.2	26.5
0°-40°	1317.1	43.4
0°-60°	2366.2	78.0
0°-90°	3033.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3033.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1030	1030	1030	1030	1030	
5°	1029	1026	1022	1028	1026	98
15°	989	989	987	997	997	279
25°	912	914	919	933	935	420
35°	799	807	820	841	846	500
45°	662	674	702	734	744	509
55°	496	521	572	612	628	443
65°	317	357	429	464	471	312
75°	139	199	245	220	215	150
85°	29	36	23	14	11	35
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1029.9	1029.9	1029.9	1029.9	1029.9
2.5°	1033.8	1030.9	1024.3	1029.9	1027.2
5°	1029.2	1026.3	1021.5	1028.2	1026.3
7.5°	1024.3	1020.5	1015.7	1023.4	1021.5
10°	1014.7	1011.8	1009.1	1015.7	1014.7
12.5°	1003.4	1002.4	999.5	1007.2	1006.2
15°	989.1	989.1	987.2	996.6	996.6
17.5°	973.7	972.7	973.7	984.3	983.3
20°	955.6	955.6	956.5	969.1	969.1
22.5°	933.6	934.6	937.5	952.7	951.7
25°	911.9	913.6	919.4	932.6	934.6
27.5°	885.1	889.9	896.4	912.6	914.5
30°	860.2	863.1	873.5	888.9	892.6
32.5°	830.8	836.3	847.9	865.0	869.9
35°	799.2	806.9	820.2	841.2	846.0
37.5°	767.8	774.5	792.6	814.4	823.1
40°	732.5	743.9	763.0	787.8	797.2
42.5°	698.0	709.6	735.4	761.0	769.7
45°	661.8	674.4	701.9	733.5	743.9
47.5°	621.8	636.2	671.5	704.8	716.1
50°	580.7	598.8	637.9	675.3	688.6
52.5°	538.0	560.7	605.6	644.7	657.2
55°	496.0	520.6	572.3	612.3	627.5
57.5°	453.0	479.8	538.0	583.6	592.3
60°	406.2	438.8	502.5	542.6	554.2
62.5°	360.6	397.8	466.3	504.5	514.1
65°	316.7	356.7	429.1	464.4	471.1
67.5°	268.9	316.7	388.1	420.7	422.4
70°	223.3	278.5	348.0	363.3	350.9
72.5°	178.4	237.5	301.5	288.9	278.5
75°	139.3	199.4	245.2	220.4	214.6
77.5°	103.1	163.2	175.5	162.2	151.6
80°	73.4	128.6	118.3	101.1	96.3
82.5°	50.4	81.1	64.9	50.4	43.9
85°	28.7	36.2	22.9	14.2	11.3
87.5°	12.3	8.7	4.8	3.9	3.9
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)