

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: P732041

Luminaire Tested: **22CZ2-39HE-HRP-B2750-W2D-2700K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P732041
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P294823)
Test Lab: INNOVATIONS CENTER(G3)
Issue Date: 1/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22CZ2-39HE-HRP-B2750-W2D-2700K
Description: 2X2 3900 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 2700K CCT AND HRP LENS

Light Source: -
Ballast/Driver: -

Summary

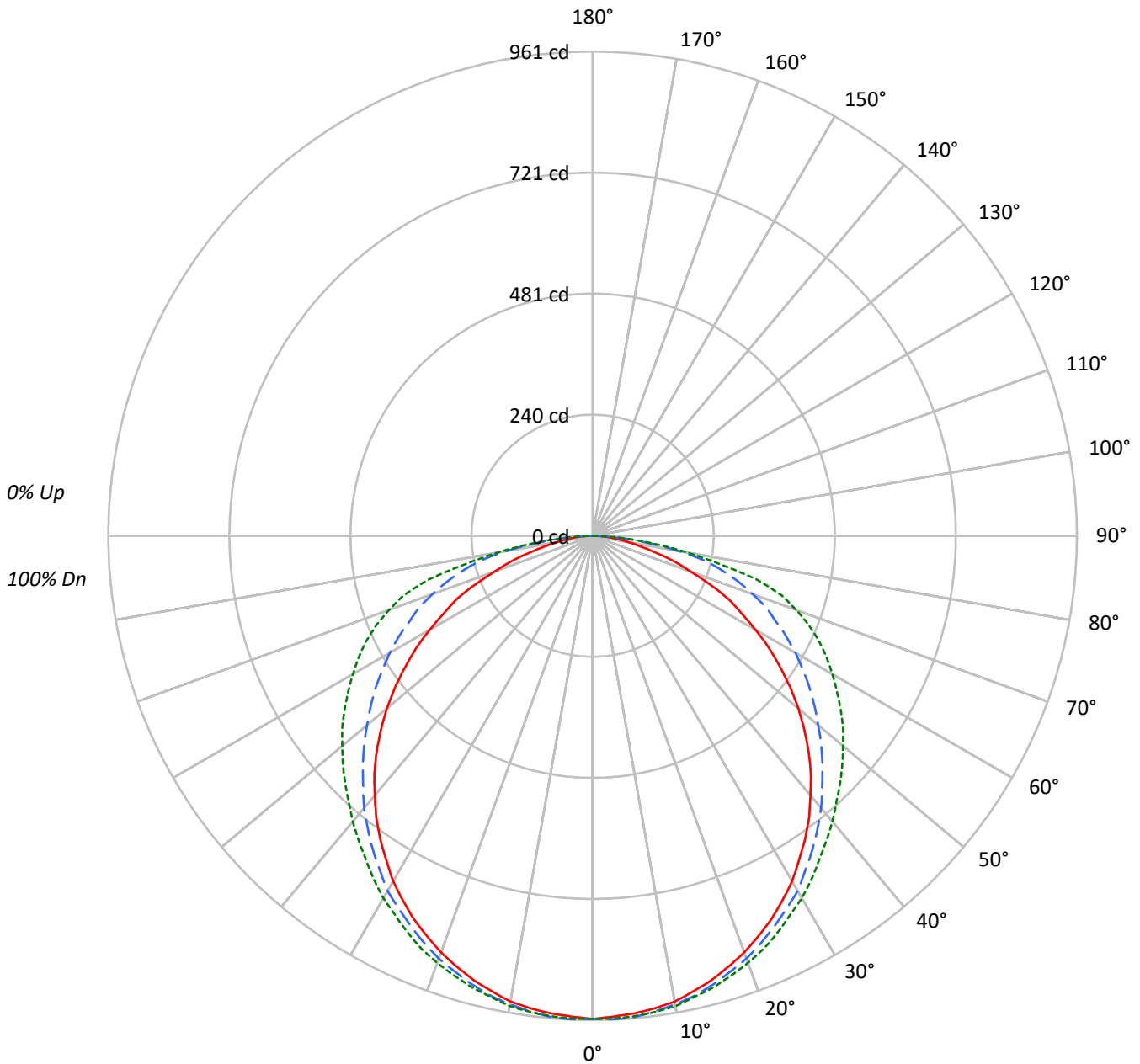
Lumens per Lamp: N/A
Luminaire Lumens: 2912.0 lumens
Efficiency: N/A
Efficacy: 91.0 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.29 / 1.38
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')
CIE Type: Direct

Input Watts (W): 32
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: P732041

CATALOG NUMBER: 22CZ2-39HE-HRP-B2750-W2D-2700K

Luminous Intensity Polar Plot





TEST NUMBER: P732041

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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	87	84	82																			
2	98	89	82	76	95	87	80	75	84	78	73	80	75	71	77	73	70	68																			
3	89	78	69	62	86	76	68	62	73	66	61	70	64	60	68	63	59	56																			
4	81	69	59	52	79	67	59	52	65	57	51	62	56	51	60	55	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	39	50	43	38	49	43	38	36																			
7	64	50	41	34	62	49	40	34	47	40	34	46	39	34	44	38	33	31																			
8	59	45	37	31	58	45	36	31	43	36	30	42	35	30	41	35	30	28																			
9	55	42	33	28	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	25	35	29	24	23																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2721	2721	2721
5°	2711	2731	2726
10°	2705	2721	2731
15°	2682	2709	2725
20°	2657	2696	2724
25°	2628	2674	2720
30°	2594	2666	2721
35°	2545	2634	2717
40°	2490	2613	2742
45°	2433	2587	2787
50°	2352	2579	2863
55°	2245	2599	2972
60°	2116	2637	3117
65°	1999	2688	3331
70°	1707	2804	3566
75°	1430	2921	3706
80°	1170	2820	3092
85°	1019	2093	2269



TEST NUMBER: P732041

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.9	3.1
10°-20°	260.0	8.9
20°-30°	394.0	13.5
30°-40°	475.7	16.3
40°-50°	499.9	17.2
50°-60°	470.3	16.2
60°-70°	392.2	13.5
70°-80°	259.8	8.9
80°-90°	69.3	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°	744.8	25.6
0°-40°	1220.5	41.9
0°-60°	2190.7	75.2
0°-90°	2912.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2912.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	959	959	959	959	959	
5°	952	953	959	959	957	90
15°	913	917	922	926	928	257
25°	839	845	854	865	869	387
35°	735	742	760	777	784	459
45°	606	615	645	678	694	467
55°	454	474	525	579	601	406
65°	298	323	400	467	496	290
75°	130	182	266	322	338	142
85°	31	48	64	70	70	36
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	958.9	958.9	958.9	958.9	958.9
2.5°	955.2	957.1	960.8	960.8	958.9
5°	951.6	953.3	958.9	958.9	957.1
7.5°	946.0	947.9	951.6	955.2	953.3
10°	938.7	940.4	944.3	947.9	947.9
12.5°	925.8	927.5	935.1	936.8	936.8
15°	913.0	916.6	922.2	925.8	927.5
17.5°	896.5	900.1	907.4	914.9	914.9
20°	879.9	883.6	892.8	900.1	902.0
22.5°	859.8	865.1	874.4	883.6	887.2
25°	839.4	845.0	854.2	865.1	868.8
27.5°	815.6	821.2	834.0	846.9	848.6
30°	791.8	797.2	813.7	824.8	830.4
32.5°	762.4	769.7	786.2	802.7	808.3
35°	734.7	742.0	760.5	777.0	784.3
37.5°	705.4	712.7	733.0	753.2	762.4
40°	672.3	681.6	705.4	727.5	740.3
42.5°	641.0	650.2	674.1	703.7	716.3
45°	606.3	615.3	644.7	677.9	694.4
47.5°	569.4	580.5	615.3	655.8	672.3
50°	532.7	545.6	584.2	630.1	648.5
52.5°	494.1	510.6	554.8	604.4	626.4
55°	453.8	474.0	525.4	578.6	600.7
57.5°	415.2	433.4	494.1	551.2	575.0
60°	372.9	396.8	464.7	523.5	549.2
62.5°	332.4	358.2	433.4	496.1	523.5
65°	297.7	323.2	400.4	466.7	496.1
67.5°	251.6	286.5	372.9	435.4	464.7
70°	205.7	253.5	338.0	402.3	429.8
72.5°	170.9	216.8	303.0	367.4	393.1
75°	130.4	181.9	266.4	321.5	338.0
77.5°	97.4	150.6	227.8	255.4	257.1
80°	71.6	115.8	172.6	181.9	189.2
82.5°	49.5	80.9	111.9	123.1	126.7
85°	31.3	47.8	64.3	69.7	69.7
87.5°	16.5	18.4	22.1	22.1	22.1
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)