

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: P880783

Luminaire Tested: **22CZ2-50VHE-RDP-B2750-W2D-3000K**

Issue Date: 10/2/2024

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.

Test Information

Test Method: LM-79-08
Report Number: P880783
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P474998)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 10/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22CZ2-50VHE-RDP-B2750-W2D-3000K
Description: 2X2 5000 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3000K CCT AND RDP LENS

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

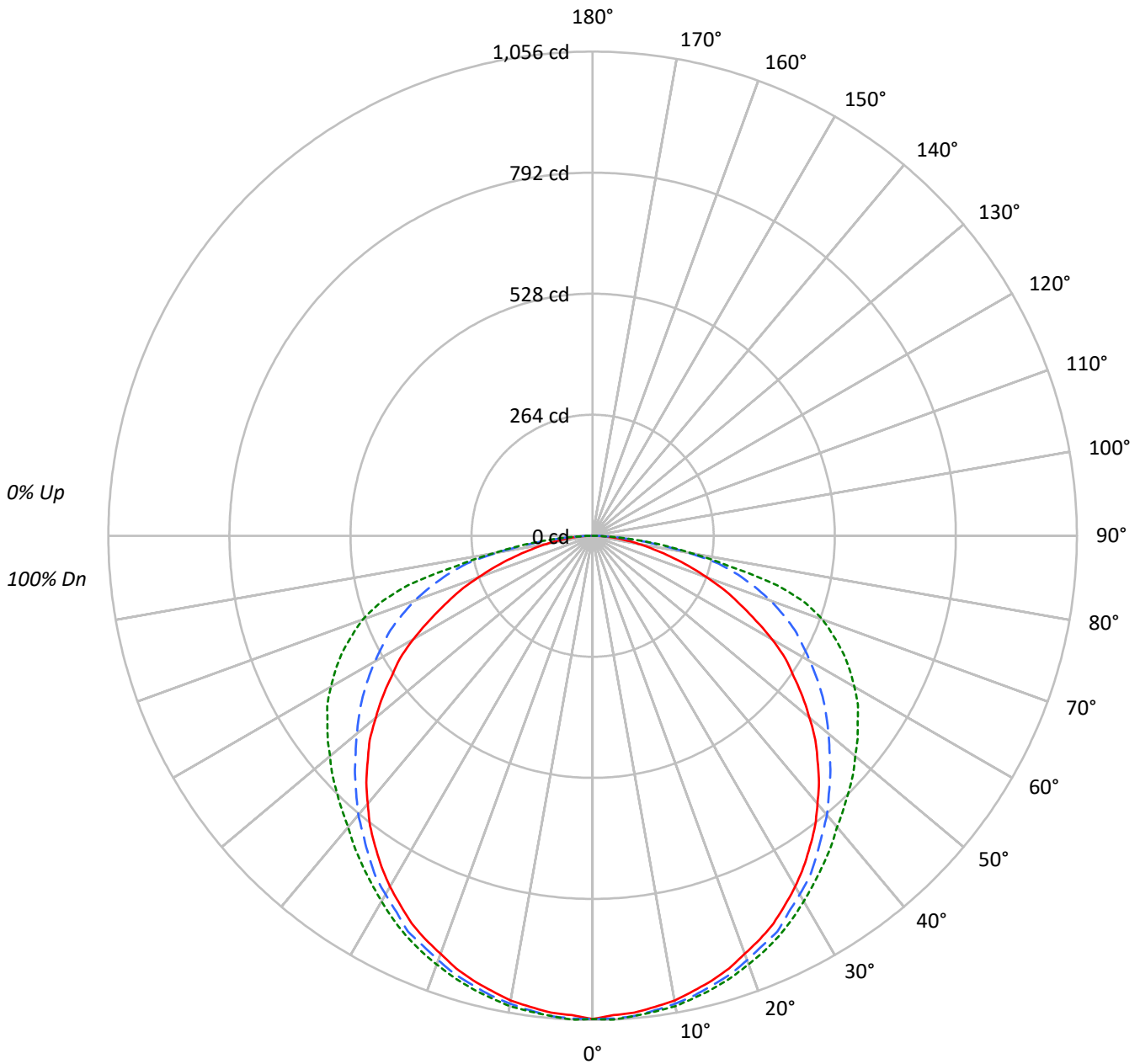
Lumens per Lamp: N/A
Luminaire Lumens: 3355.0 lumens
Efficiency: N/A
Efficacy: 79.9 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.3 / 1.41
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')
CIE Type: Direct

Input Watts (W): 42
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	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°	2990	2990	2990
5°	2973	2994	2994
10°	2965	2986	3001
15°	2951	2980	3001
20°	2929	2973	3003
25°	2921	2983	3014
30°	2895	2960	3017
35°	2863	2949	3035
40°	2825	2944	3071
45°	2783	2942	3169
50°	2724	2963	3301
55°	2649	3029	3491
60°	2563	3109	3740
65°	2386	3266	4043
70°	2190	3421	4424
75°	1922	3598	4574
80°	1654	3425	3592
85°	1449	2487	2728



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.7	3.0
10°-20°	286.2	8.5
20°-30°	436.7	13.0
30°-40°	533.2	15.9
40°-50°	570.1	17.0
50°-60°	550.3	16.4
60°-70°	473.7	14.1
70°-80°	320.6	9.6
80°-90°	84.6	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°	822.6	24.5
0°-40°	1355.8	40.4
0°-60°	2476.2	73.8
0°-90°	3355.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3355.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1054	1054	1054	1054	1054	
5°	1044	1046	1051	1051	1051	99
15°	1004	1007	1014	1019	1022	283
25°	933	938	953	958	963	429
35°	827	834	851	869	876	517
45°	694	706	733	770	790	535
55°	536	553	612	674	706	480
65°	355	390	486	563	602	353
75°	175	232	328	395	417	188
85°	44	62	76	79	84	50
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1053.9	1053.9	1053.9	1053.9	1053.9
2.5°	1046.5	1048.8	1053.9	1053.9	1056.2
5°	1043.9	1046.5	1051.3	1051.3	1051.3
7.5°	1036.5	1039.1	1043.9	1046.5	1046.5
10°	1029.1	1031.6	1036.5	1039.1	1041.6
12.5°	1016.8	1019.1	1026.5	1031.6	1031.6
15°	1004.5	1006.8	1014.3	1019.1	1021.7
17.5°	989.5	994.6	1002.0	1006.8	1009.4
20°	970.0	974.9	984.6	992.3	994.6
22.5°	952.7	957.8	967.5	974.9	979.8
25°	933.0	937.8	952.7	957.8	962.6
27.5°	908.2	913.3	925.6	935.3	942.7
30°	883.6	888.5	903.3	915.9	920.7
32.5°	856.3	863.7	881.1	891.1	898.2
35°	826.6	834.1	851.4	868.6	876.2
37.5°	797.2	804.7	821.8	844.0	854.0
40°	762.7	772.5	794.7	824.3	829.2
42.5°	730.5	742.8	762.7	797.2	809.5
45°	693.5	705.7	733.1	770.2	789.6
47.5°	659.0	671.2	700.9	745.4	770.2
50°	617.0	634.2	671.2	723.1	747.7
52.5°	577.4	592.2	641.8	698.3	728.2
55°	535.5	552.9	612.2	673.8	705.7
57.5°	498.7	513.3	580.0	649.2	686.1
60°	451.7	471.3	547.8	621.9	659.0
62.5°	402.1	432.0	515.8	592.2	631.6
65°	355.3	389.8	486.4	562.6	602.2
67.5°	313.4	350.4	449.4	530.6	567.7
70°	264.0	311.1	412.3	491.3	533.2
72.5°	219.8	271.5	370.4	449.4	486.4
75°	175.3	232.1	328.2	394.9	417.2
77.5°	135.7	190.2	281.2	301.1	303.7
80°	101.2	150.6	209.6	212.2	219.8
82.5°	69.3	106.1	135.7	148.0	150.6
85°	44.5	61.9	76.4	79.0	83.8
87.5°	19.9	22.2	27.1	24.8	24.8
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)