

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: P880673

Luminaire Tested: **22CZ2-29VHE-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: P880673
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P474795)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 10/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22CZ2-29VHE-B2750-W2D-3000K
Description: 2X2 2900 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3000K CCT AND RIBBED LENS

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

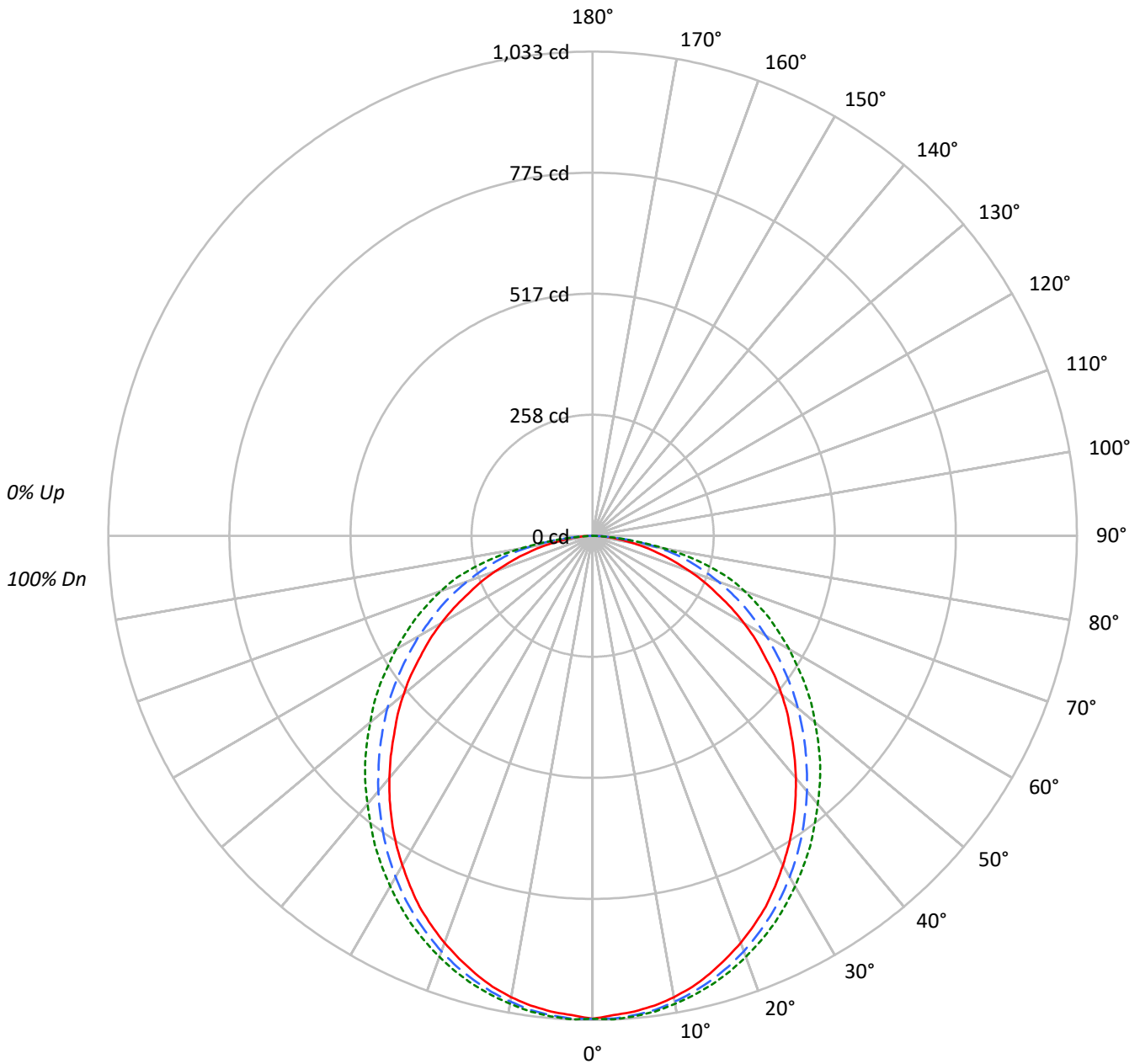
Lumens per Lamp: N/A
Luminaire Lumens: 2841.0 lumens
Efficiency: N/A
Efficacy: 129.1 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.25 / 1.33
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')
CIE Type: Direct

Input Watts (W): 22
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	109	104	99	95	106	101	97	94	97	94	91	93	91	88	90	87	85	83																			
2	99	90	83	77	96	88	82	77	85	79	75	81	77	73	78	75	71	69																			
3	90	79	71	64	87	78	70	64	75	68	63	72	66	61	69	64	60	58																			
4	82	70	61	54	80	69	60	54	66	59	53	64	58	53	62	56	52	50																			
5	76	63	54	47	73	62	53	47	59	52	46	57	51	46	56	50	45	43																			
6	70	56	47	41	68	55	47	41	54	46	40	52	45	40	50	44	40	38																			
7	65	51	42	36	63	50	42	36	49	41	36	47	41	36	46	40	35	33																			
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	32	30																			
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	29	27																			
10	53	40	32	26	52	39	31	26	38	31	26	37	31	26	36	30	26	24																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2924	2924	2924
5°	2902	2924	2931
10°	2880	2908	2922
15°	2841	2882	2909
20°	2790	2848	2886
25°	2735	2805	2863
30°	2660	2754	2829
35°	2585	2696	2802
40°	2498	2635	2767
45°	2402	2575	2754
50°	2324	2523	2733
55°	2216	2468	2738
60°	2116	2426	2747
65°	1967	2394	2790
70°	1819	2360	2859
75°	1627	2351	2877
80°	1363	2227	2512
85°	1058	1527	1426



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.3	3.4
10°-20°	276.3	9.7
20°-30°	412.0	14.5
30°-40°	486.4	17.1
40°-50°	495.7	17.4
50°-60°	447.0	15.7
60°-70°	351.4	12.4
70°-80°	220.0	7.7
80°-90°	54.9	1.9
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°	785.7	27.7
0°-40°	1272.0	44.8
0°-60°	2214.8	78.0
0°-90°	2841.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2841.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1030	1030	1030	1030	1030	
5°	1019	1021	1027	1029	1029	97
15°	967	971	981	988	990	272
25°	874	880	896	910	914	402
35°	746	756	778	800	809	466
45°	599	612	642	673	686	463
55°	448	462	499	537	554	402
65°	293	311	357	396	416	292
75°	148	170	214	253	262	158
85°	32	41	47	47	44	39
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1030.4	1030.4	1030.4	1030.4	1030.4
2.5°	1023.6	1026.2	1030.9	1032.7	1032.7
5°	1018.9	1021.3	1026.7	1029.1	1029.1
7.5°	1011.0	1013.4	1020.1	1023.1	1023.6
10°	999.7	1002.6	1009.2	1014.1	1014.1
12.5°	985.3	988.2	996.6	1002.6	1003.2
15°	967.2	971.4	981.1	988.2	990.1
17.5°	946.2	952.8	963.6	972.7	974.5
20°	924.0	930.6	943.2	953.4	955.9
22.5°	899.4	905.4	920.4	933.1	936.0
25°	873.6	880.2	895.9	909.6	914.5
27.5°	843.0	850.8	869.4	884.9	889.8
30°	811.7	821.4	840.6	857.9	863.4
32.5°	780.0	788.9	810.5	829.1	836.4
35°	746.2	755.9	778.2	799.7	808.8
37.5°	710.8	720.5	744.6	769.1	777.5
40°	674.3	685.6	711.5	737.8	746.9
42.5°	637.1	649.0	676.0	705.5	717.4
45°	598.6	611.7	641.8	673.0	686.2
47.5°	563.7	574.5	605.9	640.0	652.6
50°	526.5	536.7	571.6	605.9	619.0
52.5°	488.7	498.4	535.6	571.6	587.8
55°	447.9	461.7	498.9	537.3	553.5
57.5°	411.9	424.5	463.0	501.9	517.6
60°	372.8	386.0	427.4	467.2	484.0
62.5°	333.8	348.2	390.2	432.9	448.6
65°	292.9	311.0	356.6	396.2	415.5
67.5°	258.2	275.6	320.6	362.1	378.9
70°	219.2	239.6	284.5	326.7	344.6
72.5°	182.5	202.9	249.1	291.2	309.2
75°	148.4	170.5	214.4	252.8	262.4
77.5°	115.3	136.3	180.1	202.4	212.6
80°	83.4	103.8	136.3	151.3	153.7
82.5°	56.4	73.9	92.5	96.7	94.3
85°	32.5	41.4	46.9	46.9	43.8
87.5°	13.2	13.2	11.5	7.1	4.2
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)