

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: P259343

Luminaire Tested: **22CZ-LD5-29-UNV-L92765-W2A1-U-4000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P259343
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P25706)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22CZ-LD5-29-UNV-L92765-W2A1-U-4000K
Description: CRUZE 2x2 TUNABLE WHITE LED TROFFER
WITH RIBBED LENS
Light Source: (168) 90 CRI LEDS TUNED AT 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2517.0 lumens
Efficiency: N/A
Efficacy: 119.2 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.26 / 1.34
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

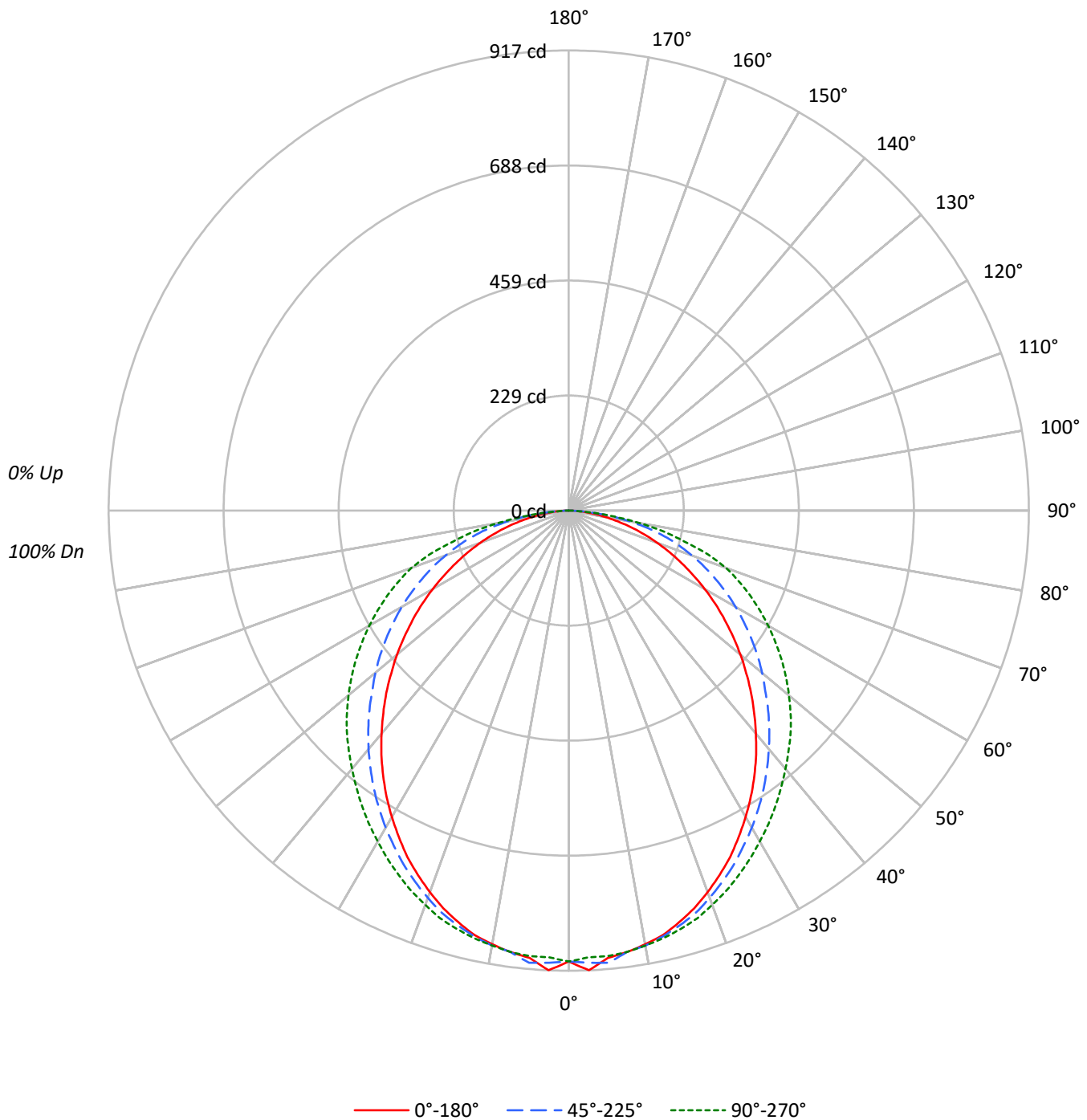
Input Watts (W): 21.111
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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				70					50					30					0
RW	70	50	30	10	70	50	30	10		50	30	10		50	30	10		50	30	10
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111		106	106	106		102	102	102
1	108	104	99	95	106	101	97	94		97	94	91		93	90	88		89	87	85
2	98	90	83	77	96	88	82	76		84	79	74		81	77	73		78	74	71
3	90	79	70	64	87	77	69	63		74	68	62		71	66	61		69	64	60
4	82	70	61	54	80	68	60	54		66	59	53		64	57	52		61	56	51
5	75	62	53	46	73	61	53	46		59	51	46		57	50	45		55	49	45
6	70	56	47	41	68	55	47	40		53	46	40		52	45	40		50	44	39
7	65	51	42	36	63	50	42	36		48	41	35		47	40	35		46	40	35
8	60	46	38	32	58	46	38	32		44	37	32		43	36	31		42	36	31
9	56	43	34	29	55	42	34	29		41	34	29		40	33	28		39	33	28
10	53	39	31	26	51	39	31	26		38	31	26		37	30	26		36	30	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2418	2418	2418
5°	2417	2443	2407
10°	2398	2405	2405
15°	2366	2384	2404
20°	2317	2352	2394
25°	2260	2311	2380
30°	2191	2267	2366
35°	2119	2224	2360
40°	2038	2180	2361
45°	1956	2138	2380
50°	1870	2106	2398
55°	1780	2084	2429
60°	1686	2068	2470
65°	1582	2057	2533
70°	1474	2051	2619
75°	1336	2049	2482
80°	1158	1897	2201
85°	982	1436	1399



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.2	3.4
10°-20°	241.4	9.6
20°-30°	359.1	14.3
30°-40°	424.7	16.9
40°-50°	436.5	17.3
50°-60°	398.8	15.8
60°-70°	319.0	12.7
70°-80°	200.2	8.0
80°-90°	52.2	2.1
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°	685.6	27.2
0°-40°	1110.3	44.1
0°-60°	1945.6	77.3
0°-90°	2517.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2517.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	898	898	898	898	898	
5°	895	895	904	898	891	85
15°	849	851	856	860	863	239
25°	761	766	778	792	802	350
35°	645	654	677	703	718	403
45°	514	528	562	603	626	396
55°	379	398	444	493	518	339
65°	248	270	323	372	398	247
75°	128	153	197	226	239	137
85°	32	40	46	45	45	37
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	898.4	898.4	898.4	898.4	898.4
2.5°	916.8	913.1	902.1	894.7	891.1
5°	894.7	894.7	904.5	898.4	891.1
7.5°	887.4	887.4	887.4	905.7	887.4
10°	877.6	878.8	880.0	887.4	880.0
12.5°	866.6	866.6	869.0	871.5	872.7
15°	849.4	850.7	855.6	860.5	862.9
17.5°	831.1	834.8	840.9	847.0	851.9
20°	809.1	813.9	821.3	831.1	836.0
22.5°	785.8	790.7	800.5	811.5	820.1
25°	761.3	766.2	778.5	791.9	801.7
27.5°	733.2	739.3	754.0	772.3	782.1
30°	705.0	712.4	729.5	750.3	761.3
32.5°	675.6	684.2	703.8	727.0	740.5
35°	645.0	653.6	676.9	702.6	718.5
37.5°	613.2	623.0	648.7	678.1	695.2
40°	580.2	591.2	620.6	652.4	672.0
42.5°	547.1	559.4	591.2	629.1	648.7
45°	514.1	527.5	561.8	603.4	625.5
47.5°	479.8	495.7	531.2	577.7	599.8
50°	446.8	462.7	503.1	550.8	572.8
52.5°	412.5	430.8	473.7	522.6	545.9
55°	379.4	397.8	444.3	493.3	517.7
57.5°	346.4	364.7	413.7	463.9	488.4
60°	313.3	332.9	384.3	433.3	459.0
62.5°	280.3	301.1	353.7	403.9	428.4
65°	248.5	270.5	323.1	372.1	397.8
67.5°	217.9	241.1	292.5	340.3	366.0
70°	187.3	210.5	260.7	307.2	332.9
72.5°	157.9	181.1	230.1	271.7	291.3
75°	128.5	153.0	197.1	226.4	238.7
77.5°	100.4	124.8	162.8	182.4	195.8
80°	74.7	95.5	122.4	137.1	142.0
82.5°	51.4	68.5	85.7	89.4	91.8
85°	31.8	40.4	46.5	45.3	45.3
87.5°	14.7	15.9	13.5	9.8	6.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)