

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: P259348

Luminaire Tested: **22CZ-LD5-29-UNV-L92765-W2A1-U-6500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P259348
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-6500K
Description: CRUZE 2x2 TUNABLE WHITE LED TROFFER
WITH RIBBED LENS
Light Source: (168) 90 CRI LEDS TUNED AT 6500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2705.0 lumens
Efficiency: N/A
Efficacy: 124.3 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

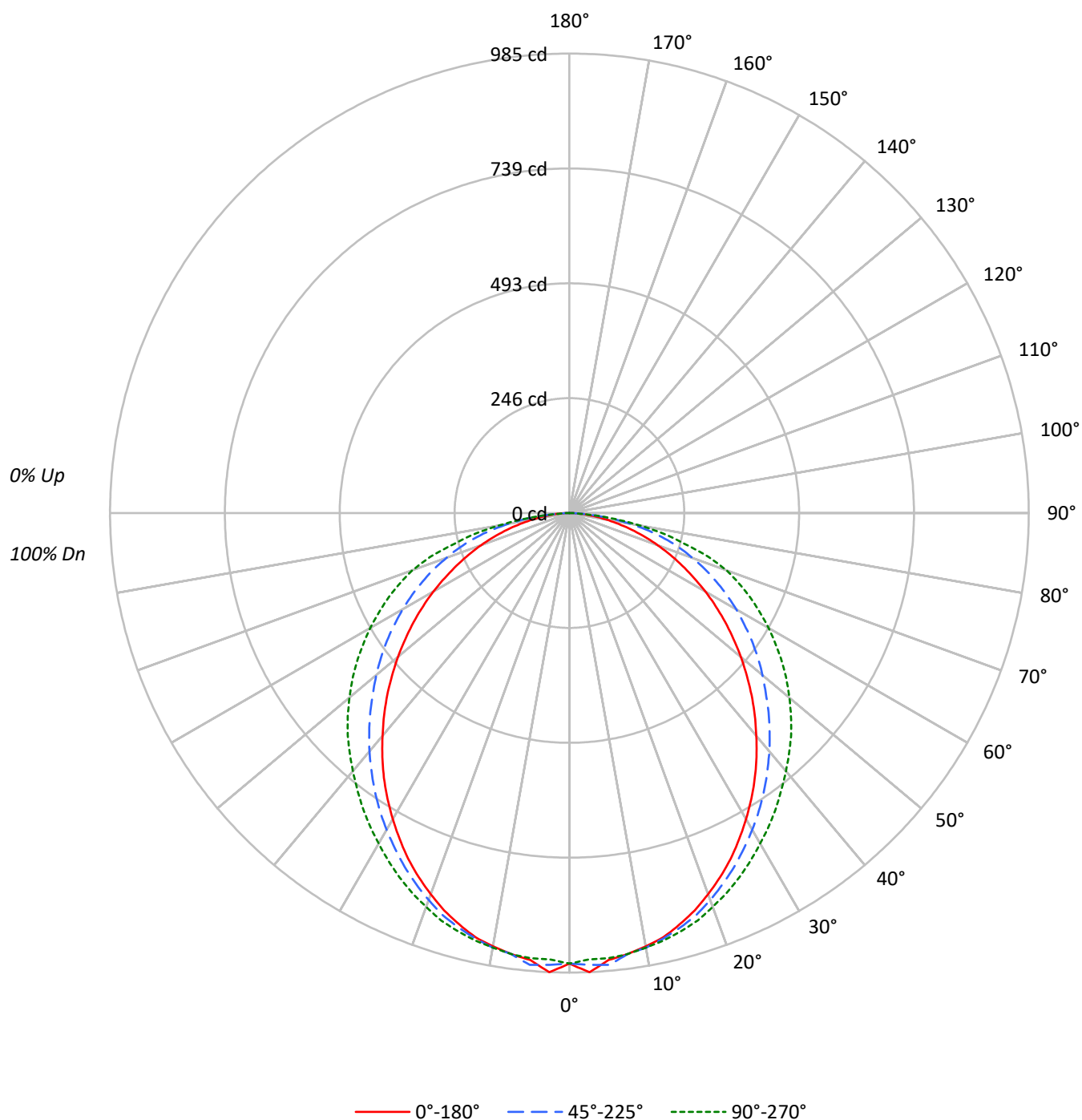
Input Watts (W): 21.762
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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		0
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		100
1	108	104	99	95	106	101	97	94	97	94	91		93	90	88		83
2	98	90	83	77	96	88	82	76	84	79	74		81	77	73		69
3	90	79	70	64	87	77	69	63	74	68	62		71	66	61		58
4	82	70	61	54	80	68	60	54	66	59	53		64	57	52		49
5	75	62	53	46	73	61	53	46	59	51	46		57	50	45		43
6	70	56	47	41	68	55	47	40	53	46	40		52	45	40		37
7	65	51	42	36	63	50	42	36	48	41	35		47	40	35		33
8	60	46	38	32	58	46	38	32	44	37	32		43	36	31		29
9	56	43	34	29	55	42	34	29	41	34	29		40	33	28		26
10	53	39	31	26	51	39	31	26	38	31	26		37	30	26		24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2598	2598	2598
5°	2598	2626	2587
10°	2577	2584	2584
15°	2543	2562	2584
20°	2490	2527	2573
25°	2429	2484	2558
30°	2354	2436	2542
35°	2277	2390	2536
40°	2190	2343	2537
45°	2103	2298	2558
50°	2010	2263	2577
55°	1913	2240	2610
60°	1812	2223	2655
65°	1700	2211	2722
70°	1584	2205	2815
75°	1436	2202	2667
80°	1243	2038	2365
85°	1056	1544	1504



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.6	3.4
10°-20°	259.4	9.6
20°-30°	385.9	14.3
30°-40°	456.4	16.9
40°-50°	469.1	17.3
50°-60°	428.6	15.8
60°-70°	342.9	12.7
70°-80°	215.2	8.0
80°-90°	56.0	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°	736.8	27.2
0°-40°	1193.2	44.1
0°-60°	2090.9	77.3
0°-90°	2705.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2705.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	966	966	966	966	966	
5°	962	962	972	966	958	91
15°	913	914	920	925	927	257
25°	818	823	837	851	862	376
35°	693	702	727	755	772	433
45°	552	567	604	648	672	426
55°	408	428	478	530	556	365
65°	267	291	347	400	428	265
75°	138	164	212	243	256	147
85°	34	43	50	49	49	40
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	965.5	965.5	965.5	965.5	965.5
2.5°	985.2	981.3	969.5	961.6	957.6
5°	961.6	961.6	972.1	965.5	957.6
7.5°	953.7	953.7	953.7	973.4	953.7
10°	943.1	944.5	945.8	953.7	945.8
12.5°	931.3	931.3	933.9	936.6	937.9
15°	912.9	914.2	919.5	924.7	927.4
17.5°	893.2	897.1	903.7	910.3	915.5
20°	869.5	874.7	882.6	893.2	898.4
22.5°	844.5	849.8	860.3	872.1	881.3
25°	818.2	823.4	836.6	851.1	861.6
27.5°	787.9	794.5	810.3	830.0	840.5
30°	757.7	765.6	784.0	806.3	818.2
32.5°	726.1	735.3	756.4	781.3	795.8
35°	693.2	702.4	727.4	755.0	772.1
37.5°	659.0	669.5	697.2	728.7	747.1
40°	623.5	635.3	666.9	701.1	722.2
42.5°	588.0	601.1	635.3	676.1	697.2
45°	552.5	566.9	603.8	648.5	672.2
47.5°	515.6	532.7	570.9	620.9	644.5
50°	480.1	497.2	540.6	591.9	615.6
52.5°	443.3	463.0	509.1	561.7	586.7
55°	407.8	427.5	477.5	530.1	556.4
57.5°	372.3	392.0	444.6	498.5	524.8
60°	336.7	357.8	413.0	465.7	493.3
62.5°	301.2	323.6	380.2	434.1	460.4
65°	267.0	290.7	347.3	399.9	427.5
67.5°	234.1	259.1	314.4	365.7	393.3
70°	201.3	226.2	280.2	330.2	357.8
72.5°	169.7	194.7	247.3	292.0	313.1
75°	138.1	164.4	211.8	243.3	256.5
77.5°	107.9	134.2	174.9	196.0	210.5
80°	80.2	102.6	131.5	147.3	152.6
82.5°	55.2	73.7	92.1	96.0	98.7
85°	34.2	43.4	50.0	48.7	48.7
87.5°	15.8	17.1	14.5	10.5	6.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)