

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: P259331

Luminaire Tested: **22CZ-LD5-24-UNV-L92765-W2A1-U-2700K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P259331
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-LD5-24-UNV-L92765-W2A1-U-2700K
Description: CRUZE 2x2 TUNABLE WHITE LED TROFFER
WITH RIBBED LENS
Light Source: (168) 90 CRI LEDS TUNED AT 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1910.0 lumens
Efficiency: N/A
Efficacy: 108.7 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

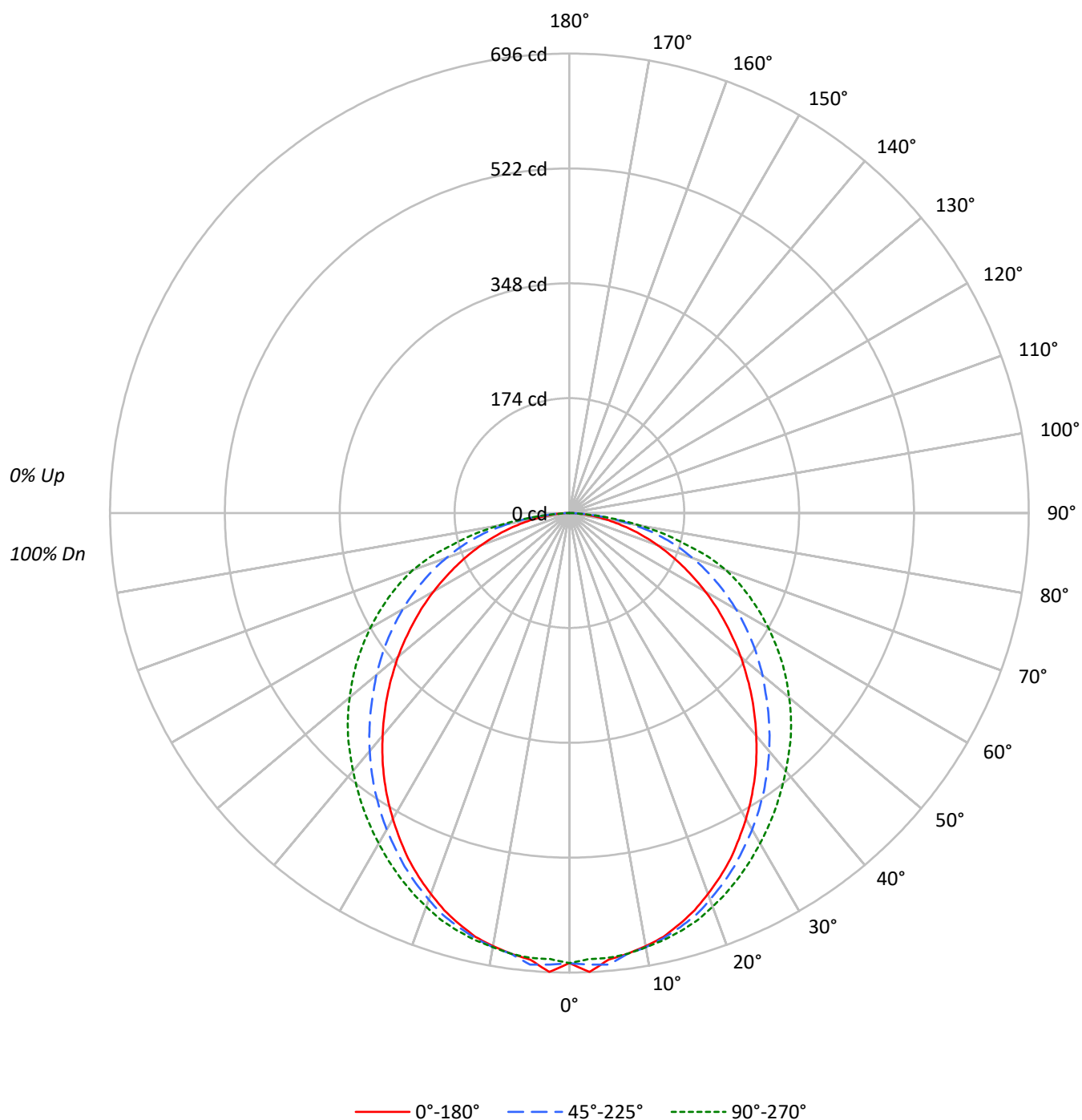
Input Watts (W): 17.577
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1834	1834	1834
5°	1834	1854	1827
10°	1820	1825	1825
15°	1796	1809	1824
20°	1758	1785	1817
25°	1715	1754	1806
30°	1662	1720	1795
35°	1608	1687	1791
40°	1547	1654	1791
45°	1485	1622	1806
50°	1419	1598	1820
55°	1351	1582	1843
60°	1280	1569	1875
65°	1200	1561	1922
70°	1118	1556	1987
75°	1014	1554	1883
80°	879	1440	1669
85°	744	1090	1062



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.7	3.4
10°-20°	183.2	9.6
20°-30°	272.5	14.3
30°-40°	322.2	16.9
40°-50°	331.2	17.3
50°-60°	302.6	15.8
60°-70°	242.1	12.7
70°-80°	151.9	8.0
80°-90°	39.6	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°	520.3	27.2
0°-40°	842.5	44.1
0°-60°	1476.4	77.3
0°-90°	1910.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1910.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	682	682	682	682	682	
5°	679	679	686	682	676	65
15°	645	646	649	653	655	182
25°	578	581	591	601	608	266
35°	490	496	514	533	545	306
45°	390	400	426	458	475	301
55°	288	302	337	374	393	258
65°	188	205	245	282	302	187
75°	98	116	150	172	181	104
85°	24	31	35	34	34	28
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	681.7	681.7	681.7	681.7	681.7
2.5°	695.7	692.9	684.5	679.0	676.2
5°	679.0	679.0	686.4	681.7	676.2
7.5°	673.4	673.4	673.4	687.3	673.4
10°	666.0	666.9	667.8	673.4	667.8
12.5°	657.6	657.6	659.5	661.3	662.2
15°	644.6	645.5	649.2	653.0	654.8
17.5°	630.7	633.4	638.1	642.7	646.4
20°	613.9	617.7	623.2	630.7	634.4
22.5°	596.3	600.0	607.4	615.8	622.3
25°	577.7	581.4	590.7	600.9	608.4
27.5°	556.4	561.0	572.1	586.1	593.5
30°	535.0	540.6	553.6	569.4	577.7
32.5°	512.7	519.2	534.1	551.7	561.9
35°	489.5	496.0	513.6	533.1	545.2
37.5°	465.3	472.8	492.3	514.6	527.6
40°	440.3	448.6	470.9	495.1	509.9
42.5°	415.2	424.5	448.6	477.4	492.3
45°	390.1	400.3	426.3	457.9	474.6
47.5°	364.1	376.2	403.1	438.4	455.1
50°	339.0	351.1	381.7	418.0	434.7
52.5°	313.0	326.9	359.4	396.6	414.2
55°	287.9	301.9	337.2	374.3	392.9
57.5°	262.9	276.8	313.9	352.0	370.6
60°	237.8	252.6	291.6	328.8	348.3
62.5°	212.7	228.5	268.4	306.5	325.1
65°	188.5	205.3	245.2	282.4	301.9
67.5°	165.3	183.0	222.0	258.2	277.7
70°	142.1	159.8	197.8	233.1	252.6
72.5°	119.8	137.5	174.6	206.2	221.1
75°	97.5	116.1	149.5	171.8	181.1
77.5°	76.2	94.7	123.5	138.4	148.6
80°	56.7	72.4	92.9	104.0	107.7
82.5°	39.0	52.0	65.0	67.8	69.7
85°	24.1	30.7	35.3	34.4	34.4
87.5°	11.1	12.1	10.2	7.4	4.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)