

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: P259330

Luminaire Tested: **22CZ-LD5-20-UNV-L92765-W2A1-U-6500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P259330
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-LD5-20-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: 2050.0 lumens
Efficiency: N/A
Efficacy: 126.0 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

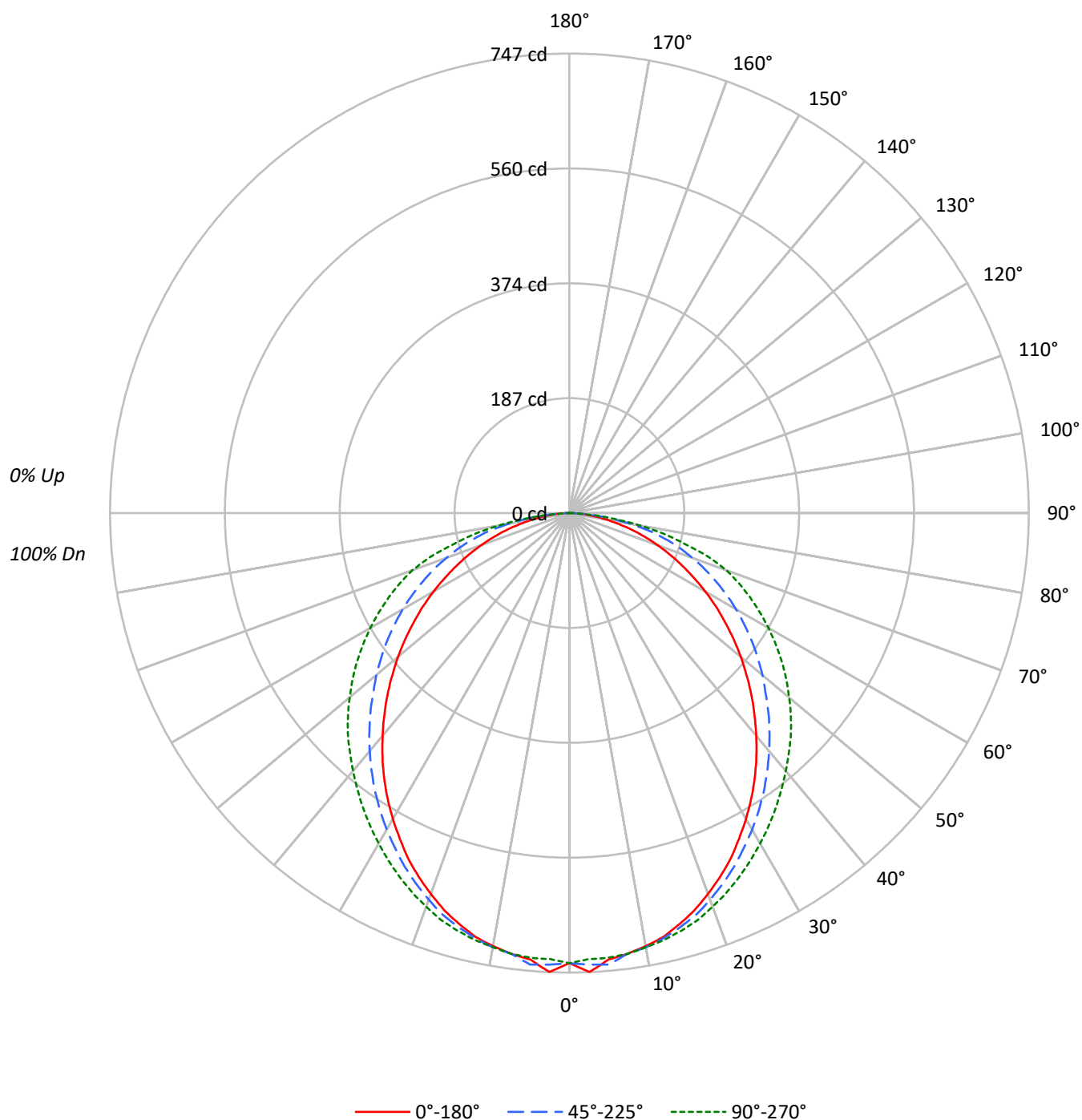
Input Watts (W): 16.275
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1969	1969	1969
5°	1968	1990	1960
10°	1953	1959	1959
15°	1927	1941	1958
20°	1887	1916	1950
25°	1841	1882	1939
30°	1784	1846	1927
35°	1726	1811	1922
40°	1660	1775	1923
45°	1593	1741	1939
50°	1523	1715	1953
55°	1450	1698	1978
60°	1373	1685	2012
65°	1289	1676	2063
70°	1200	1670	2134
75°	1089	1669	2021
80°	942	1545	1791
85°	800	1170	1139



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.4	3.4
10°-20°	196.6	9.6
20°-30°	292.4	14.3
30°-40°	345.9	16.9
40°-50°	355.5	17.3
50°-60°	324.8	15.8
60°-70°	259.9	12.7
70°-80°	163.1	8.0
80°-90°	42.5	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°	558.4	27.2
0°-40°	904.3	44.1
0°-60°	1584.6	77.3
0°-90°	2050.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2050.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	732	732	732	732	732	
5°	729	729	737	732	726	69
15°	692	693	697	701	703	195
25°	620	624	634	645	653	285
35°	525	532	551	572	585	328
45°	419	430	458	492	509	323
55°	309	324	362	402	422	276
65°	202	220	263	303	324	201
75°	105	125	160	184	194	111
85°	26	33	38	37	37	30
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	731.7	731.7	731.7	731.7	731.7
2.5°	746.7	743.7	734.7	728.7	725.7
5°	728.7	728.7	736.7	731.7	725.7
7.5°	722.7	722.7	722.7	737.7	722.7
10°	714.8	715.8	716.8	722.7	716.8
12.5°	705.8	705.8	707.8	709.8	710.8
15°	691.8	692.8	696.8	700.8	702.8
17.5°	676.9	679.9	684.9	689.8	693.8
20°	658.9	662.9	668.9	676.9	680.9
22.5°	640.0	644.0	652.0	660.9	667.9
25°	620.1	624.1	634.0	645.0	653.0
27.5°	597.1	602.1	614.1	629.0	637.0
30°	574.2	580.2	594.1	611.1	620.1
32.5°	550.3	557.3	573.2	592.2	603.1
35°	525.4	532.3	551.3	572.2	585.2
37.5°	499.4	507.4	528.3	552.3	566.2
40°	472.5	481.5	505.4	531.3	547.3
42.5°	445.6	455.6	481.5	512.4	528.3
45°	418.7	429.7	457.6	491.5	509.4
47.5°	390.8	403.7	432.6	470.5	488.5
50°	363.9	376.8	409.7	448.6	466.5
52.5°	336.0	350.9	385.8	425.7	444.6
55°	309.0	324.0	361.9	401.7	421.7
57.5°	282.1	297.1	336.9	377.8	397.8
60°	255.2	271.2	313.0	352.9	373.8
62.5°	228.3	245.2	288.1	329.0	348.9
65°	202.4	220.3	263.2	303.1	324.0
67.5°	177.4	196.4	238.3	277.1	298.1
70°	152.5	171.5	212.3	250.2	271.2
72.5°	128.6	147.5	187.4	221.3	237.3
75°	104.7	124.6	160.5	184.4	194.4
77.5°	81.7	101.7	132.6	148.5	159.5
80°	60.8	77.8	99.7	111.7	115.6
82.5°	41.9	55.8	69.8	72.8	74.8
85°	25.9	32.9	37.9	36.9	36.9
87.5°	12.0	13.0	11.0	8.0	5.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)