

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: P#

Luminaire Tested: **22CZ-LD5-24SE-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P#
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-LD5-24SE-UNV-L835-CD1-U
Description: CRUZE 2x2 LED TROFFER

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2467.0 lumens
Efficiency: N/A
Efficacy: 116.9 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.26 / 1.34
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.1')
CIE Type: Direct

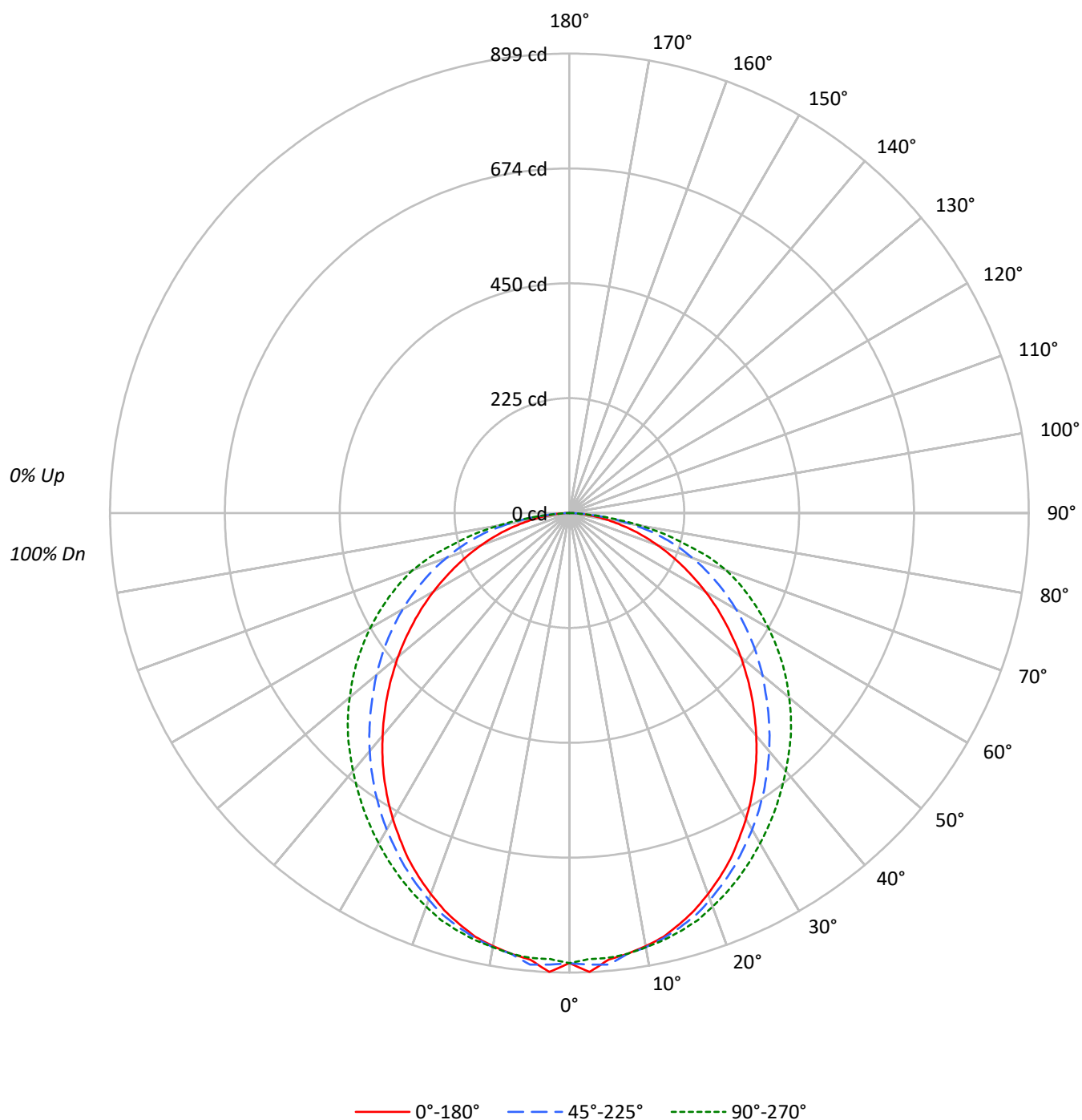
Input Watts (W): 21.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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°	2370	2370	2370
5°	2359	2380	2349
10°	2330	2328	2336
15°	2289	2293	2325
20°	2230	2247	2305
25°	2165	2193	2280
30°	2087	2135	2254
35°	2007	2077	2235
40°	1917	2017	2220
45°	1826	1957	2222
50°	1730	1904	2218
55°	1629	1856	2222
60°	1521	1806	2228
65°	1400	1751	2242
70°	1269	1683	2257
75°	1104	1588	2049
80°	884	1327	1681
85°	613	779	872



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.5	3.4
10°-20°	236.6	9.6
20°-30°	351.9	14.3
30°-40°	416.2	16.9
40°-50°	427.8	17.3
50°-60°	390.9	15.8
60°-70°	312.7	12.7
70°-80°	196.3	8.0
80°-90°	51.1	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°	672.0	27.2
0°-40°	1088.2	44.1
0°-60°	1906.9	77.3
0°-90°	2467.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2467.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	881	881	881	881	881	
5°	877	877	887	881	873	83
15°	833	834	839	843	846	235
25°	746	751	763	776	786	343
35°	632	641	663	689	704	395
45°	504	517	551	591	613	388
55°	372	390	436	484	508	333
65°	244	265	317	365	390	242
75°	126	150	193	222	234	134
85°	31	40	46	44	44	36
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	880.6	880.6	880.6	880.6	880.6
2.5°	898.6	895.0	884.2	877.0	873.4
5°	877.0	877.0	886.6	880.6	873.4
7.5°	869.8	869.8	869.8	887.8	869.8
10°	860.2	861.4	862.6	869.8	862.6
12.5°	849.4	849.4	851.8	854.2	855.4
15°	832.6	833.8	838.6	843.4	845.8
17.5°	814.6	818.2	824.2	830.2	835.0
20°	793.0	797.8	805.0	814.6	819.4
22.5°	770.2	775.0	784.6	795.4	803.8
25°	746.2	751.0	763.0	776.2	785.8
27.5°	718.6	724.6	739.0	757.0	766.6
30°	691.0	698.2	715.0	735.4	746.2
32.5°	662.2	670.6	689.8	712.6	725.8
35°	632.2	640.6	663.4	688.6	704.2
37.5°	601.0	610.6	635.8	664.6	681.4
40°	568.6	579.4	608.2	639.4	658.6
42.5°	536.3	548.2	579.4	616.6	635.8
45°	503.9	517.1	550.6	591.4	613.0
47.5°	470.3	485.9	520.7	566.2	587.8
50°	437.9	453.5	493.1	539.9	561.4
52.5°	404.3	422.3	464.3	512.3	535.1
55°	371.9	389.9	435.5	483.5	507.5
57.5°	339.5	357.5	405.5	454.7	478.7
60°	307.1	326.3	376.7	424.7	449.9
62.5°	274.7	295.1	346.7	395.9	419.9
65°	243.5	265.1	316.7	364.7	389.9
67.5°	213.5	236.3	286.7	333.5	358.7
70°	183.5	206.3	255.5	301.1	326.3
72.5°	154.8	177.6	225.5	266.3	285.5
75°	126.0	150.0	193.1	221.9	233.9
77.5°	98.4	122.4	159.6	178.8	191.9
80°	73.2	93.6	120.0	134.4	139.2
82.5°	50.4	67.2	84.0	87.6	90.0
85°	31.2	39.6	45.6	44.4	44.4
87.5°	14.4	15.6	13.2	9.6	6.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)