

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-LD5-20-S-UNV-L850-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 (P25712)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22CZ-LD5-20-S-UNV-L850-CD1-U
Description: CRUZE 2x2 LED TROFFER

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2347.6 lumens
Efficiency: N/A
Efficacy: 143.3 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.24 / 1.33
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.1')
CIE Type: Direct

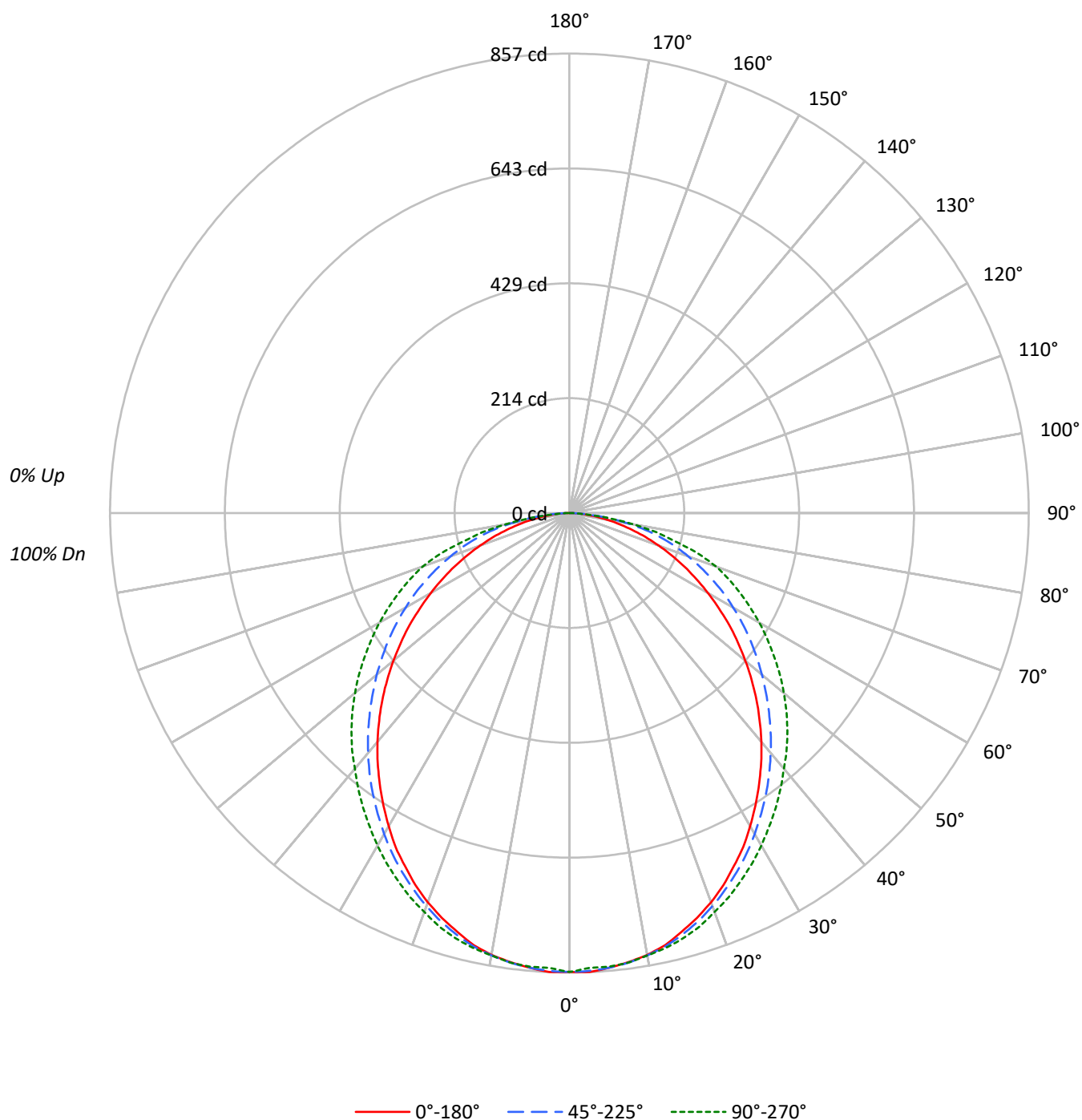
Input Watts (W): 16.38
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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		0
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		100
1	109	104	99	95	106	101	97	94	97	94	91		93	91	88		83
2	99	90	83	77	96	88	82	77	85	79	75		81	77	73		69
3	90	79	71	64	87	78	70	64	75	68	63		72	66	62		58
4	82	70	61	54	80	69	61	54	66	59	53		64	58	53		50
5	76	63	54	47	74	62	53	47	59	52	46		57	51	46		43
6	70	56	47	41	68	56	47	41	54	46	40		52	45	40		38
7	65	51	42	36	63	50	42	36	49	41	36		47	41	36		33
8	60	47	38	32	59	46	38	32	45	37	32		43	37	32		30
9	56	43	35	29	55	42	34	29	41	34	29		40	34	29		27
10	53	40	32	26	52	39	32	26	38	31	26		37	31	26		24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2303	2303	2303
5°	2290	2285	2284
10°	2266	2261	2269
15°	2223	2226	2257
20°	2172	2178	2226
25°	2107	2123	2195
30°	2036	2064	2162
35°	1958	2001	2129
40°	1878	1937	2098
45°	1790	1872	2084
50°	1693	1811	2063
55°	1595	1754	2039
60°	1480	1692	2027
65°	1362	1627	2017
70°	1224	1553	2012
75°	1058	1456	1788
80°	857	1222	1443
85°	576	712	731



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.8	3.4
10°-20°	229.6	9.8
20°-30°	341.0	14.5
30°-40°	401.4	17.1
40°-50°	409.2	17.4
50°-60°	369.1	15.7
60°-70°	290.7	12.4
70°-80°	179.3	7.6
80°-90°	46.5	2.0
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°	651.4	27.7
0°-40°	1052.8	44.8
0°-60°	1831.1	78.0
0°-90°	2347.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2347.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	856	856	856	856	856	
5°	851	852	851	850	849	81
15°	808	812	814	819	821	228
25°	726	731	739	751	757	335
35°	617	624	639	660	671	386
45°	494	502	527	558	575	381
55°	364	377	412	449	466	325
65°	237	254	294	332	351	235
75°	121	141	177	197	204	129
85°	29	37	42	40	37	34
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	855.8	855.8	855.8	855.8	855.8
2.5°	857.0	857.0	854.7	852.5	849.1
5°	851.3	852.5	851.3	850.2	849.1
7.5°	844.6	845.7	845.7	845.7	845.7
10°	836.7	837.8	837.8	837.8	837.8
12.5°	825.4	826.5	827.7	828.8	831.0
15°	808.5	811.9	814.1	818.6	820.9
17.5°	791.6	795.0	798.3	804.0	808.5
20°	772.4	774.7	780.3	787.1	791.6
22.5°	751.0	754.4	760.0	769.0	775.8
25°	726.2	730.7	738.6	751.0	756.6
27.5°	702.5	705.9	716.0	729.6	737.4
30°	674.3	678.8	691.2	708.1	716.0
32.5°	646.1	651.7	665.3	684.4	693.5
35°	616.8	623.6	639.3	659.6	670.9
37.5°	587.5	594.2	612.3	634.8	647.2
40°	557.0	563.8	584.1	608.9	622.4
42.5°	525.5	533.4	555.9	584.1	599.9
45°	493.9	501.8	526.6	558.2	575.1
47.5°	461.2	470.2	497.3	532.2	549.1
50°	428.5	438.6	469.1	505.2	522.1
52.5°	395.8	407.1	439.8	477.0	495.0
55°	364.2	376.6	411.6	448.8	465.7
57.5°	330.4	345.0	382.3	418.3	437.5
60°	298.8	314.6	352.9	389.0	409.3
62.5°	267.2	284.2	324.7	360.8	380.0
65°	236.8	253.7	294.3	331.5	350.7
67.5°	206.3	225.5	265.0	302.2	321.4
70°	177.0	197.3	235.7	271.7	290.9
72.5°	148.8	169.1	207.5	241.3	252.6
75°	120.7	140.9	177.0	197.3	204.1
77.5°	94.7	113.9	145.5	157.9	166.9
80°	71.0	88.0	110.5	118.4	119.5
82.5°	48.5	63.1	76.7	77.8	76.7
85°	29.3	37.2	41.7	39.5	37.2
87.5°	13.5	14.7	13.5	9.0	5.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)