

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: P260519

Luminaire Tested: **22CZ-LD5-29-RDP-UNV-L92765-W2A1-U-4000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P260519
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P25714)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22CZ-LD5-29-RDP-UNV-L92765-W2A1-U-4000K
Description: CRUZE 2x2 TUNABLE WHITE LED TROFFER
WITH RDP LENS
Light Source: (168) 90 CRI LEDS TUNED AT 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1855.0 lumens
Efficiency: N/A
Efficacy: 87.9 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.28 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

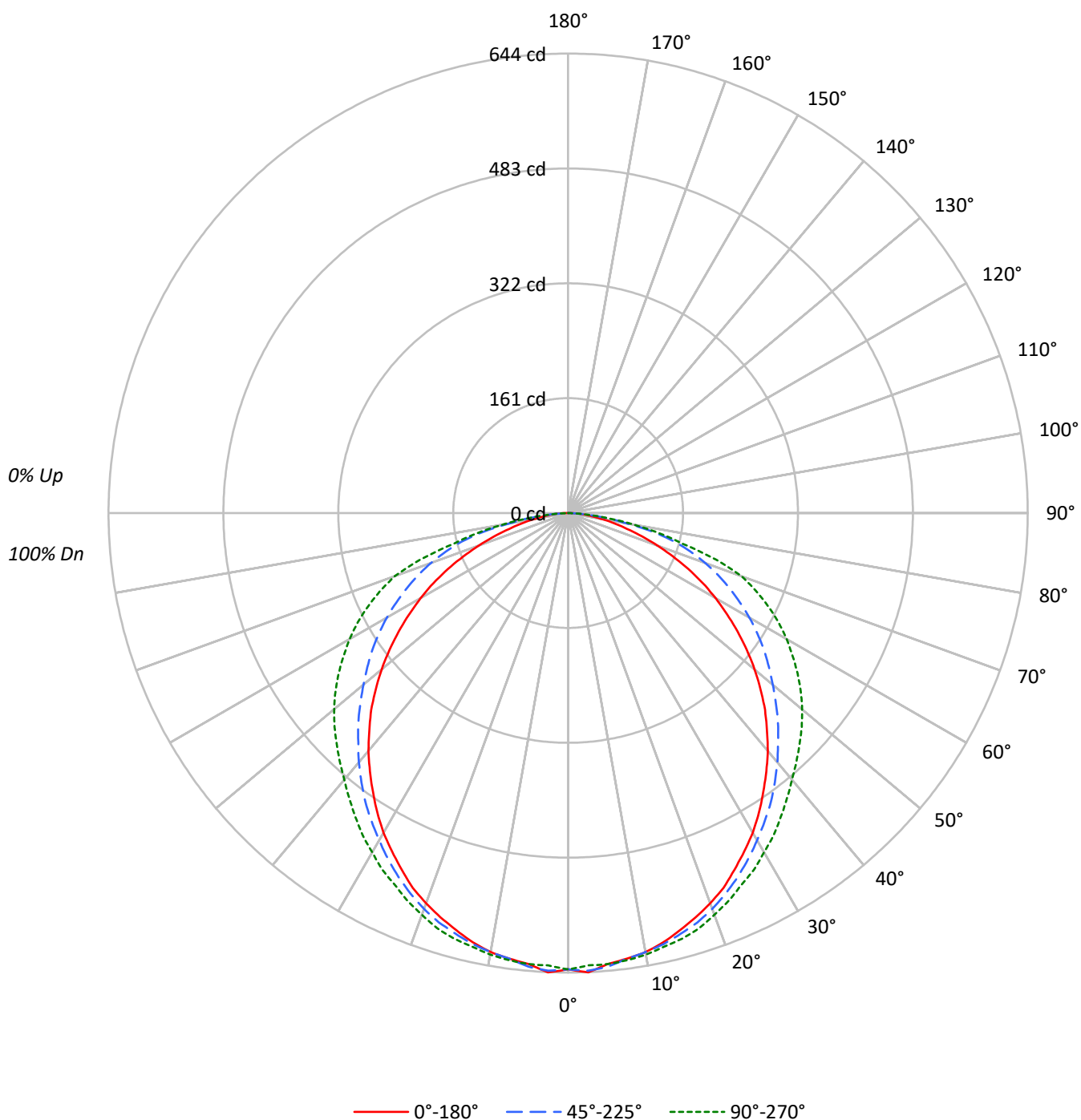
Input Watts (W): 21.111
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	81	76		84	79	74		81	77	73		78	74	71
3	89	79	70	64	87	77	69	63		74	67	62		71	66	61		69	64	60
4	82	69	60	54	79	68	60	53		66	58	52		63	57	52		61	56	51
5	75	62	53	46	73	61	52	46		59	51	45		57	50	45		55	49	44
6	69	56	47	40	67	55	46	40		53	45	40		51	44	39		50	44	39
7	64	50	42	35	62	50	41	35		48	40	35		47	40	35		45	39	34
8	60	46	37	31	58	45	37	31		44	37	31		43	36	31		42	35	31
9	56	42	34	28	54	42	34	28		40	33	28		39	33	28		38	32	28
10	52	39	31	26	51	38	31	26		37	30	25		36	30	25		36	30	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1721	1721	1721
5°	1714	1724	1714
10°	1708	1708	1717
15°	1686	1700	1720
20°	1667	1691	1716
25°	1637	1670	1706
30°	1607	1645	1706
35°	1567	1627	1707
40°	1529	1602	1714
45°	1485	1582	1745
50°	1428	1567	1792
55°	1360	1572	1841
60°	1283	1580	1902
65°	1184	1589	1970
70°	1049	1607	2030
75°	890	1602	1729
80°	739	1289	1440
85°	642	868	831



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.4	3.3
10°-20°	172.3	9.3
20°-30°	259.3	14.0
30°-40°	310.7	16.8
40°-50°	324.1	17.5
50°-60°	301.7	16.3
60°-70°	245.0	13.2
70°-80°	147.6	8.0
80°-90°	33.8	1.8
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°	492.1	26.5
0°-40°	802.8	43.3
0°-60°	1428.6	77.0
0°-90°	1855.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1855.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	640	640	640	640	640	
5°	635	635	638	640	635	60
15°	605	608	610	614	618	171
25°	552	555	562	570	575	254
35°	477	483	495	510	520	298
45°	390	397	416	443	459	300
55°	290	302	335	372	392	259
65°	186	205	250	289	309	184
75°	86	114	154	164	166	92
85°	21	26	28	27	27	24
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	639.5	639.5	639.5	639.5	639.5
2.5°	644.4	643.2	642.0	638.3	634.6
5°	634.6	634.6	638.3	639.5	634.6
7.5°	629.8	629.8	629.8	634.6	632.2
10°	624.9	624.9	624.9	628.5	628.5
12.5°	616.3	617.5	618.7	620.0	622.4
15°	605.3	607.7	610.2	613.9	617.5
17.5°	594.3	596.7	601.6	605.3	610.2
20°	582.1	584.5	590.6	594.3	599.2
22.5°	568.6	569.8	577.2	582.1	588.2
25°	551.5	555.2	562.5	569.8	574.7
27.5°	534.4	538.0	546.6	556.4	563.7
30°	517.3	520.9	529.5	541.7	549.0
32.5°	497.7	502.6	512.4	527.0	535.6
35°	476.9	483.0	495.2	509.9	519.7
37.5°	456.1	462.2	475.7	494.0	503.8
40°	435.3	441.4	456.1	475.7	487.9
42.5°	412.1	419.4	435.3	458.6	473.2
45°	390.1	397.4	415.8	442.7	458.6
47.5°	365.6	374.2	395.0	425.5	443.9
50°	341.2	350.9	374.2	408.4	428.0
52.5°	315.5	326.5	354.6	390.1	410.9
55°	289.8	302.0	335.1	371.7	392.5
57.5°	264.1	277.6	314.3	352.2	373.0
60°	238.4	253.1	293.5	332.6	353.4
62.5°	212.8	228.7	271.5	310.6	332.6
65°	185.9	205.4	249.5	288.6	309.4
67.5°	159.0	182.2	227.4	265.4	284.9
70°	133.3	159.0	204.2	239.7	258.0
72.5°	108.8	135.7	179.8	210.3	217.7
75°	85.6	113.7	154.1	163.9	166.3
77.5°	66.0	91.7	122.3	124.7	130.8
80°	47.7	69.7	83.2	90.5	92.9
82.5°	33.0	47.7	55.0	56.2	57.5
85°	20.8	25.7	28.1	26.9	26.9
87.5°	11.0	9.8	8.6	6.1	4.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)