

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: P260514

Luminaire Tested: **22CZ-LD5-24-RDP-UNV-L92765-W2A1-U-5700K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P260514
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-LD5-24-RDP-UNV-L92765-W2A1-U-5700K
Description: CRUZE 2x2 TUNABLE WHITE LED TROFFER
WITH RDP LENS
Light Source: (168) 90 CRI LEDS TUNED AT 5700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1693.0 lumens
Efficiency: N/A
Efficacy: 93.4 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

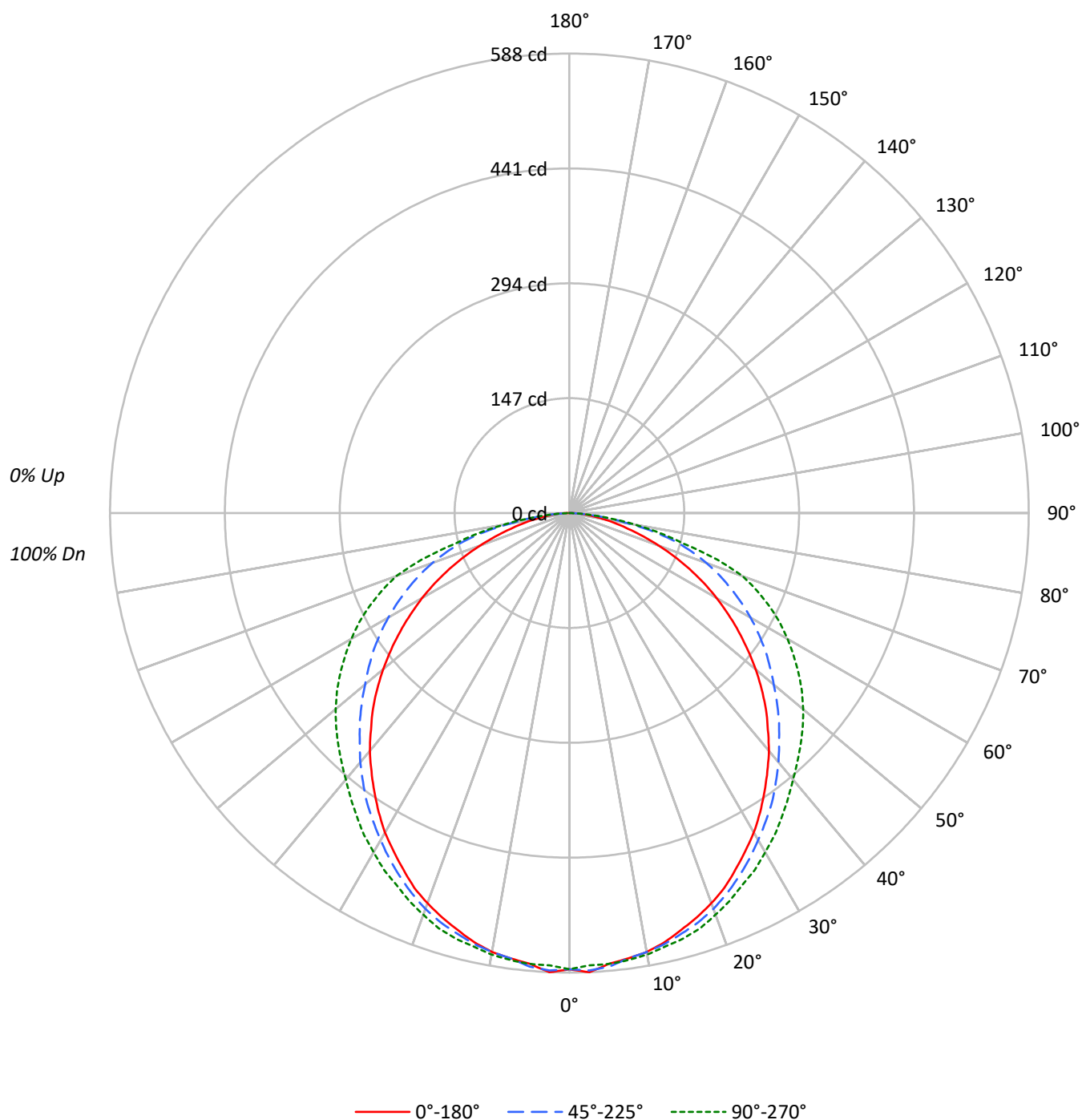
Input Watts (W): 18.135
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	108	104	99	95	106	101	97	94	97	94	91		93	90	88		89
2	98	90	83	77	96	88	81	76	84	79	74		81	77	73		78
3	89	79	70	64	87	77	69	63	74	67	62		71	66	61		69
4	82	69	60	54	79	68	60	53	66	58	52		63	57	52		61
5	75	62	53	46	73	61	52	46	59	51	45		57	50	45		55
6	69	56	47	40	67	55	46	40	53	45	40		51	44	39		50
7	64	50	42	35	62	50	41	35	48	40	35		47	40	35		45
8	60	46	37	31	58	45	37	31	44	37	31		43	36	31		42
9	56	42	34	28	54	42	34	28	40	33	28		39	33	28		38
10	52	39	31	26	51	38	31	26	37	30	25		36	30	25		36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1571	1571	1571
5°	1565	1574	1565
10°	1558	1558	1567
15°	1539	1551	1570
20°	1521	1544	1566
25°	1494	1524	1557
30°	1467	1501	1557
35°	1430	1485	1558
40°	1396	1462	1564
45°	1355	1444	1593
50°	1304	1430	1635
55°	1241	1435	1681
60°	1171	1441	1736
65°	1080	1450	1798
70°	957	1467	1853
75°	812	1462	1578
80°	674	1176	1314
85°	587	794	760



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.1	3.3
10°-20°	157.3	9.3
20°-30°	236.7	14.0
30°-40°	283.6	16.8
40°-50°	295.7	17.5
50°-60°	275.3	16.3
60°-70°	223.6	13.2
70°-80°	134.7	8.0
80°-90°	30.9	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°	449.1	26.5
0°-40°	732.7	43.3
0°-60°	1303.8	77.0
0°-90°	1693.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1693.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	584	584	584	584	584	
5°	579	579	583	584	579	55
15°	552	555	557	560	564	156
25°	503	507	513	520	524	232
35°	435	441	452	465	474	272
45°	356	363	379	404	418	274
55°	264	276	306	339	358	236
65°	170	188	228	263	282	168
75°	78	104	141	150	152	84
85°	19	23	26	25	25	22
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	583.7	583.7	583.7	583.7	583.7
2.5°	588.1	587.0	585.9	582.6	579.2
5°	579.2	579.2	582.6	583.7	579.2
7.5°	574.8	574.8	574.8	579.2	577.0
10°	570.3	570.3	570.3	573.6	573.6
12.5°	562.5	563.6	564.7	565.8	568.1
15°	552.4	554.7	556.9	560.2	563.6
17.5°	542.4	544.6	549.1	552.4	556.9
20°	531.2	533.5	539.0	542.4	546.9
22.5°	519.0	520.1	526.8	531.2	536.8
25°	503.3	506.7	513.4	520.1	524.5
27.5°	487.7	491.1	498.9	507.8	514.5
30°	472.1	475.4	483.2	494.4	501.1
32.5°	454.2	458.7	467.6	481.0	488.8
35°	435.3	440.8	452.0	465.4	474.3
37.5°	416.3	421.9	434.1	450.9	459.8
40°	397.3	402.9	416.3	434.1	445.3
42.5°	376.1	382.8	397.3	418.5	431.9
45°	356.0	362.7	379.4	404.0	418.5
47.5°	333.7	341.5	360.5	388.4	405.1
50°	311.4	320.3	341.5	372.8	390.6
52.5°	287.9	298.0	323.6	356.0	375.0
55°	264.5	275.7	305.8	339.3	358.2
57.5°	241.1	253.3	286.8	321.4	340.4
60°	217.6	231.0	267.8	303.6	322.5
62.5°	194.2	208.7	247.8	283.5	303.6
65°	169.6	187.5	227.7	263.4	282.4
67.5°	145.1	166.3	207.6	242.2	260.0
70°	121.6	145.1	186.4	218.7	235.5
72.5°	99.3	123.9	164.1	192.0	198.7
75°	78.1	103.8	140.6	149.5	151.8
77.5°	60.3	83.7	111.6	113.8	119.4
80°	43.5	63.6	75.9	82.6	84.8
82.5°	30.1	43.5	50.2	51.3	52.5
85°	19.0	23.4	25.7	24.6	24.6
87.5°	10.0	8.9	7.8	5.6	4.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)