

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: P260508

Luminaire Tested: **22CZ-LD5-24-RDP-UNV-L92765-W2A1-U-3000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P260508
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-3000K
Description: CRUZE 2x2 TUNABLE WHITE LED TROFFER
WITH RDP LENS
Light Source: (168) 90 CRI LEDS TUNED AT 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1464.0 lumens
Efficiency: N/A
Efficacy: 84.2 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

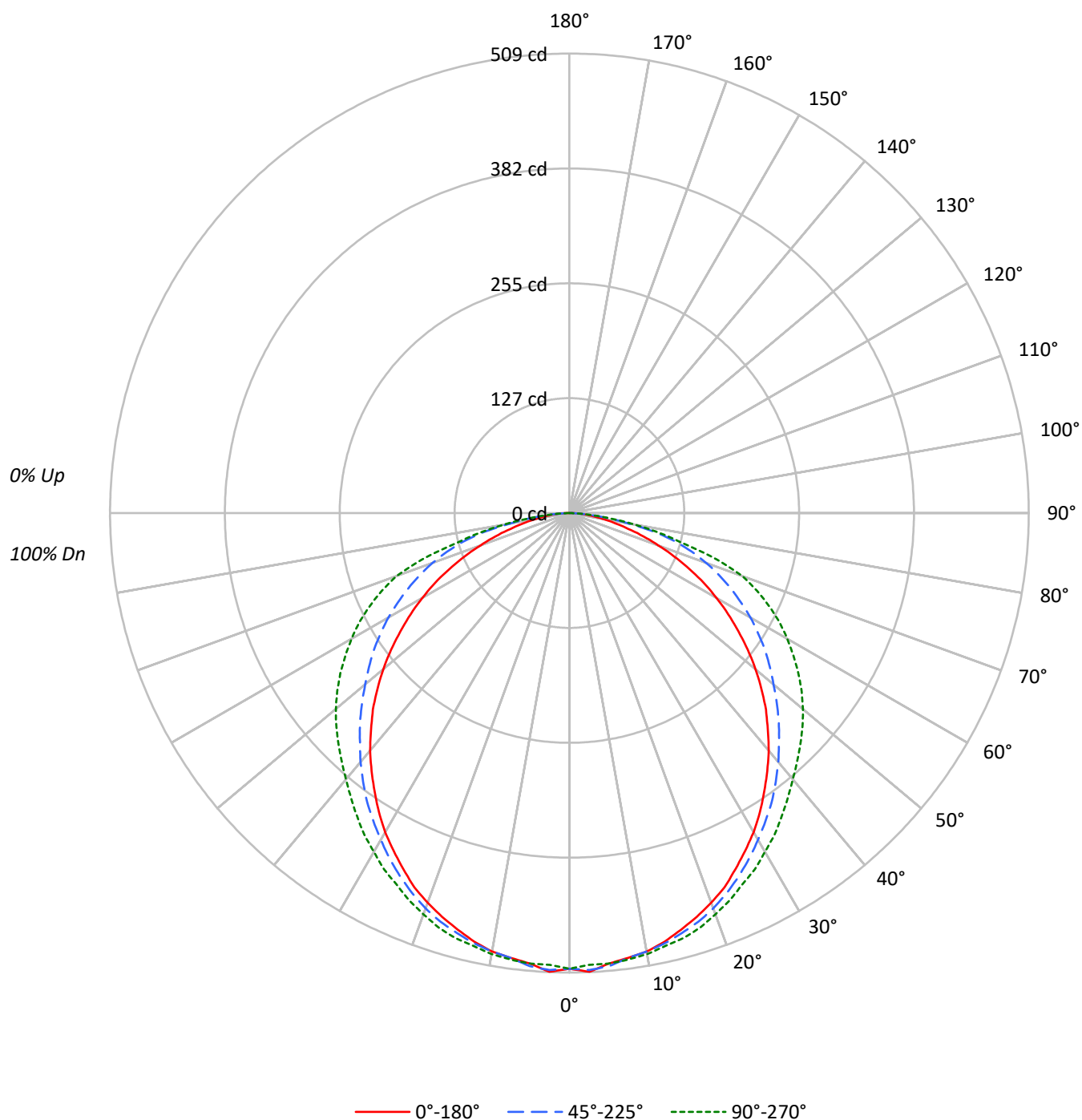
Input Watts (W): 17.391
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1358	1358	1358
5°	1353	1361	1353
10°	1348	1348	1355
15°	1331	1342	1358
20°	1316	1335	1354
25°	1292	1318	1347
30°	1268	1299	1346
35°	1237	1284	1348
40°	1207	1265	1353
45°	1172	1249	1377
50°	1127	1236	1414
55°	1073	1240	1453
60°	1013	1246	1501
65°	934	1254	1555
70°	828	1268	1602
75°	703	1264	1364
80°	583	1017	1136
85°	506	685	655



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.7	3.3
10°-20°	136.0	9.3
20°-30°	204.6	14.0
30°-40°	245.2	16.8
40°-50°	255.7	17.5
50°-60°	238.1	16.3
60°-70°	193.3	13.2
70°-80°	116.5	8.0
80°-90°	26.7	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°	388.3	26.5
0°-40°	633.6	43.3
0°-60°	1127.4	77.0
0°-90°	1464.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1464.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	505	505	505	505	505	
5°	501	501	504	505	501	48
15°	478	480	482	484	487	135
25°	435	438	444	450	454	201
35°	376	381	391	402	410	236
45°	308	314	328	349	362	237
55°	229	238	264	293	310	205
65°	147	162	197	228	244	145
75°	68	90	122	129	131	73
85°	16	20	22	21	21	19
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	504.7	504.7	504.7	504.7	504.7
2.5°	508.6	507.6	506.7	503.8	500.9
5°	500.9	500.9	503.8	504.7	500.9
7.5°	497.0	497.0	497.0	500.9	498.9
10°	493.2	493.2	493.2	496.0	496.0
12.5°	486.4	487.4	488.3	489.3	491.2
15°	477.7	479.6	481.6	484.5	487.4
17.5°	469.0	471.0	474.8	477.7	481.6
20°	459.4	461.3	466.1	469.0	472.9
22.5°	448.8	449.7	455.5	459.4	464.2
25°	435.2	438.1	443.9	449.7	453.6
27.5°	421.7	424.6	431.4	439.1	444.9
30°	408.2	411.1	417.9	427.5	433.3
32.5°	392.8	396.6	404.4	415.9	422.7
35°	376.4	381.2	390.9	402.4	410.2
37.5°	360.0	364.8	375.4	389.9	397.6
40°	343.6	348.4	360.0	375.4	385.1
42.5°	325.2	331.0	343.6	361.9	373.5
45°	307.9	313.6	328.1	349.4	361.9
47.5°	288.6	295.3	311.7	335.8	350.3
50°	269.3	277.0	295.3	322.3	337.8
52.5°	249.0	257.7	279.9	307.9	324.3
55°	228.7	238.4	264.4	293.4	309.8
57.5°	208.5	219.1	248.0	277.9	294.3
60°	188.2	199.8	231.6	262.5	278.9
62.5°	167.9	180.5	214.2	245.1	262.5
65°	146.7	162.1	196.9	227.8	244.2
67.5°	125.5	143.8	179.5	209.4	224.9
70°	105.2	125.5	161.2	189.2	203.6
72.5°	85.9	107.1	141.9	166.0	171.8
75°	67.6	89.8	121.6	129.3	131.2
77.5°	52.1	72.4	96.5	98.4	103.3
80°	37.6	55.0	65.6	71.4	73.3
82.5°	26.1	37.6	43.4	44.4	45.4
85°	16.4	20.3	22.2	21.2	21.2
87.5°	8.7	7.7	6.8	4.8	3.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)