

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: P260506

Luminaire Tested: **22CZ-LD5-20-RDP-UNV-L92765-W2A1-U-6500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P260506
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-LD5-20-RDP-UNV-L92765-W2A1-U-6500K
Description: CRUZE 2x2 TUNABLE WHITE LED TROFFER
WITH RDP LENS
Light Source: (168) 90 CRI LEDS TUNED AT 6500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1511.0 lumens
Efficiency: N/A
Efficacy: 92.8 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

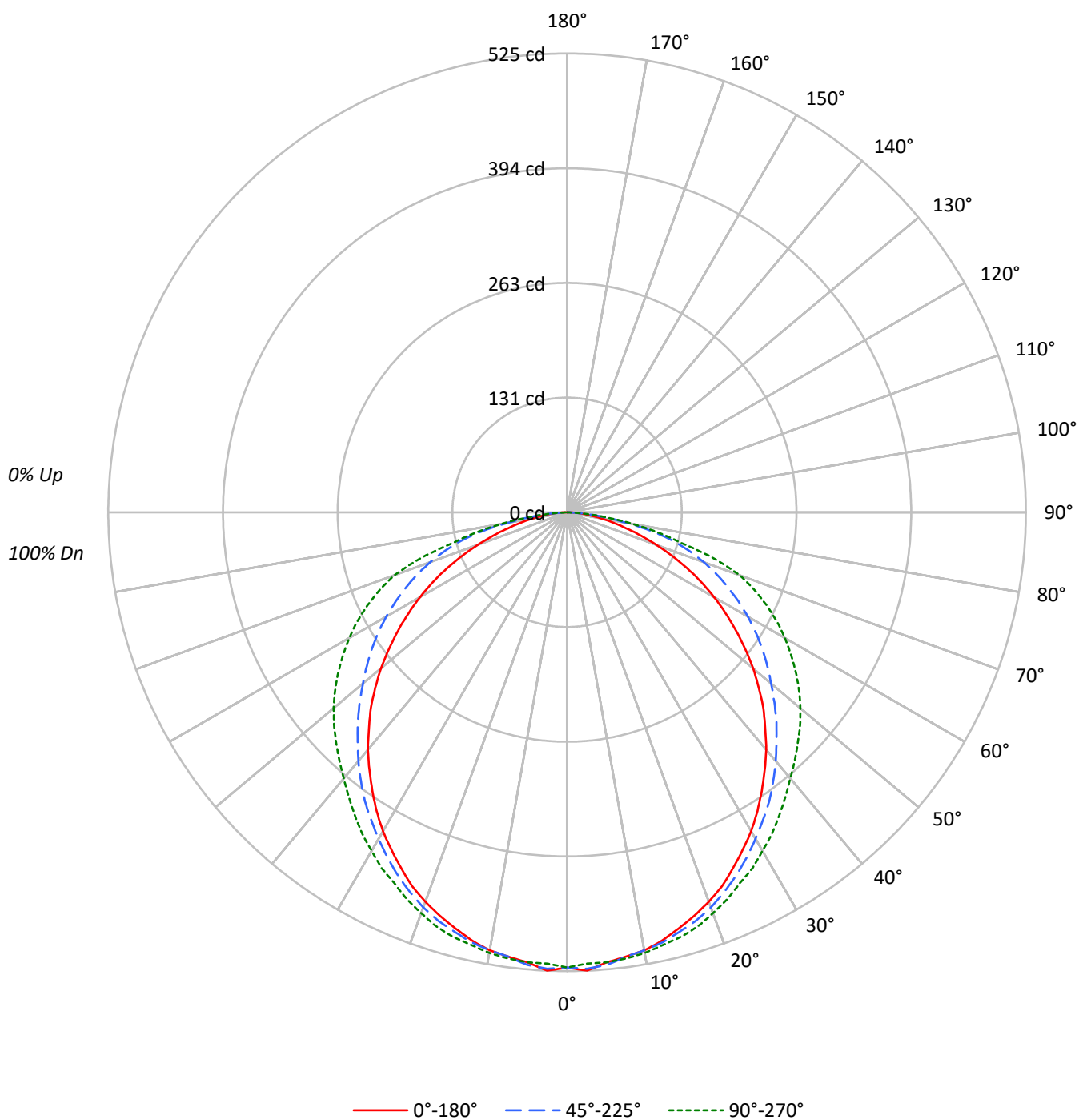
Input Watts (W): 16.275
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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		0
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		100
1	108	104	99	95	106	101	97	94	97	94	91		93	90	88		83
2	98	90	83	77	96	88	81	76	84	79	74		81	77	73		69
3	89	79	70	64	87	77	69	63	74	67	62		71	66	61		57
4	82	69	60	54	79	68	60	53	66	58	52		63	57	52		49
5	75	62	53	46	73	61	52	46	59	51	45		57	50	45		42
6	69	56	47	40	67	55	46	40	53	45	40		51	44	39		37
7	64	50	42	35	62	50	41	35	48	40	35		47	40	35		32
8	60	46	37	31	58	45	37	31	44	37	31		43	36	31		29
9	56	42	34	28	54	42	34	28	40	33	28		39	33	28		26
10	52	39	31	26	51	38	31	26	37	30	25		36	30	25		23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1402	1402	1402
5°	1397	1404	1397
10°	1391	1391	1399
15°	1373	1385	1401
20°	1358	1378	1398
25°	1334	1360	1390
30°	1309	1340	1390
35°	1276	1325	1391
40°	1246	1305	1396
45°	1209	1289	1421
50°	1163	1276	1459
55°	1108	1280	1500
60°	1045	1287	1549
65°	964	1294	1605
70°	854	1308	1654
75°	725	1305	1409
80°	601	1049	1173
85°	522	707	676



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.2	3.3
10°-20°	140.4	9.3
20°-30°	211.2	14.0
30°-40°	253.1	16.8
40°-50°	264.0	17.5
50°-60°	245.7	16.3
60°-70°	199.5	13.2
70°-80°	120.2	8.0
80°-90°	27.6	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°	400.8	26.5
0°-40°	653.9	43.3
0°-60°	1163.6	77.0
0°-90°	1511.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1511.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	521	521	521	521	521	
5°	517	517	520	521	517	49
15°	493	495	497	500	503	139
25°	449	452	458	464	468	207
35°	388	393	403	415	423	243
45°	318	324	339	361	374	245
55°	236	246	273	303	320	211
65°	151	167	203	235	252	150
75°	70	93	126	134	136	75
85°	17	21	23	22	22	20
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	520.9	520.9	520.9	520.9	520.9
2.5°	524.9	523.9	522.9	519.9	517.0
5°	517.0	517.0	519.9	520.9	517.0
7.5°	513.0	513.0	513.0	517.0	515.0
10°	509.0	509.0	509.0	512.0	512.0
12.5°	502.0	503.0	504.0	505.0	507.0
15°	493.0	495.0	497.0	500.0	503.0
17.5°	484.1	486.1	490.1	493.0	497.0
20°	474.1	476.1	481.1	484.1	488.1
22.5°	463.2	464.2	470.1	474.1	479.1
25°	449.2	452.2	458.2	464.2	468.1
27.5°	435.3	438.3	445.2	453.2	459.2
30°	421.3	424.3	431.3	441.3	447.2
32.5°	405.4	409.4	417.3	429.3	436.3
35°	388.5	393.4	403.4	415.4	423.3
37.5°	371.5	376.5	387.5	402.4	410.4
40°	354.6	359.6	371.5	387.5	397.4
42.5°	335.7	341.6	354.6	373.5	385.5
45°	317.7	323.7	338.7	360.6	373.5
47.5°	297.8	304.8	321.7	346.6	361.6
50°	277.9	285.9	304.8	332.7	348.6
52.5°	257.0	265.9	288.9	317.7	334.7
55°	236.1	246.0	272.9	302.8	319.7
57.5°	215.1	226.1	256.0	286.9	303.8
60°	194.2	206.2	239.1	270.9	287.9
62.5°	173.3	186.3	221.1	253.0	270.9
65°	151.4	167.3	203.2	235.1	252.0
67.5°	129.5	148.4	185.3	216.1	232.1
70°	108.6	129.5	166.3	195.2	210.2
72.5°	88.6	110.6	146.4	171.3	177.3
75°	69.7	92.6	125.5	133.5	135.5
77.5°	53.8	74.7	99.6	101.6	106.6
80°	38.8	56.8	67.7	73.7	75.7
82.5°	26.9	38.8	44.8	45.8	46.8
85°	16.9	20.9	22.9	21.9	21.9
87.5°	9.0	8.0	7.0	5.0	4.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)