

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: P260346

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P260346
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P25713)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22CZ-LD5-24-SQP-UNV-L92765-W2A1-U-5700K
Description: CRUZE 2x2 TUNABLE WHITE LED TROFFER
WITH SQP LENS
Light Source: (168) 90 CRI LEDS TUNED AT 5700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1438.0 lumens
Efficiency: N/A
Efficacy: 79.3 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.31 / 1.41
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

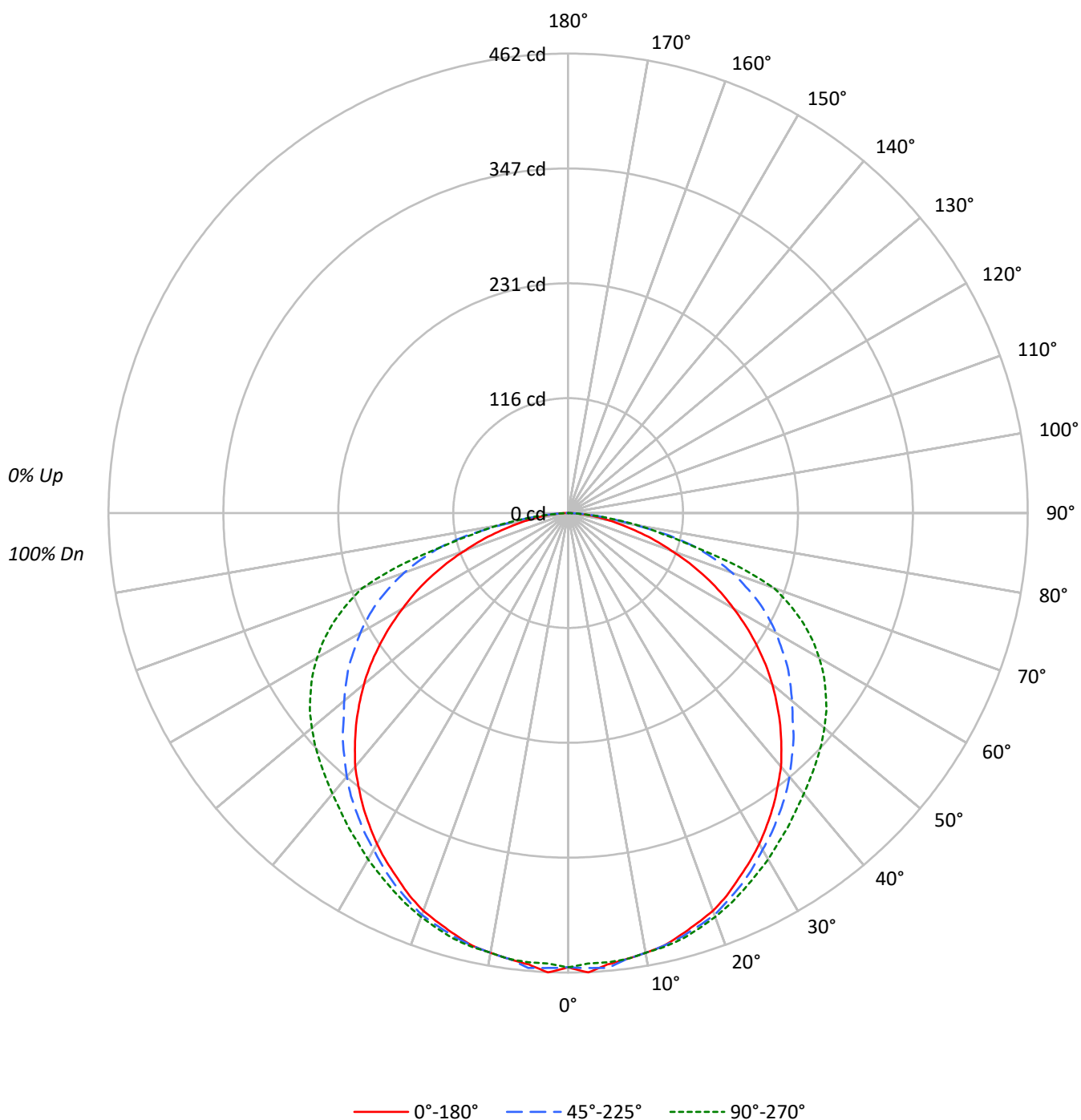
Input Watts (W): 18.135
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	103	99	95	105	101	97	93	97	93	90		93	90	87		89
2	98	89	82	76	95	87	81	75	84	78	73		80	76	71		77
3	89	78	69	62	86	76	68	62	73	66	61		70	64	59		68
4	81	68	59	52	79	67	58	52	64	57	51		62	56	50		60
5	74	61	52	45	72	60	51	44	58	50	44		56	49	43		54
6	68	55	45	39	66	54	45	39	52	44	38		50	43	38		48
7	63	49	40	34	62	49	40	34	47	39	34		45	39	33		44
8	59	45	36	30	57	44	36	30	43	35	30		42	35	30		40
9	55	41	33	27	54	41	33	27	39	32	27		38	32	27		37
10	51	38	30	24	50	37	30	24	36	29	24		35	29	24		35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1229	1229	1229
5°	1231	1240	1225
10°	1227	1227	1227
15°	1223	1229	1235
20°	1218	1231	1238
25°	1204	1224	1240
30°	1194	1215	1249
35°	1181	1214	1266
40°	1169	1216	1294
45°	1147	1220	1343
50°	1122	1230	1407
55°	1085	1263	1483
60°	1034	1298	1569
65°	974	1344	1657
70°	870	1379	1731
75°	755	1382	1370
80°	640	1021	1108
85°	553	689	621



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.4	3.0
10°-20°	124.5	8.7
20°-30°	189.8	13.2
30°-40°	232.2	16.1
40°-50°	249.9	17.4
50°-60°	242.0	16.8
60°-70°	205.0	14.3
70°-80°	123.9	8.6
80°-90°	27.2	1.9
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°	357.7	24.9
0°-40°	589.9	41.0
0°-60°	1081.8	75.2
0°-90°	1438.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1438.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	457	457	457	457	457	
5°	456	456	459	457	453	43
15°	439	440	441	442	443	124
25°	405	408	412	415	418	187
35°	360	362	370	380	385	225
45°	302	307	320	341	353	232
55°	231	241	269	300	316	207
65°	153	170	211	245	260	151
75°	73	98	133	135	132	78
85°	18	21	22	21	20	20
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	456.7	456.7	456.7	456.7	456.7
2.5°	462.3	461.2	457.9	455.6	453.4
5°	455.6	455.6	459.0	456.7	453.4
7.5°	452.3	452.3	452.3	457.9	452.3
10°	448.9	450.0	448.9	453.4	448.9
12.5°	445.6	445.6	445.6	446.7	446.7
15°	438.9	440.0	441.1	442.2	443.3
17.5°	432.2	433.3	435.5	436.6	437.8
20°	425.5	426.6	429.9	429.9	432.2
22.5°	416.5	416.5	421.0	422.1	425.5
25°	405.4	407.6	412.1	415.4	417.7
27.5°	395.3	397.6	402.0	406.5	409.8
30°	384.2	386.4	390.9	397.6	402.0
32.5°	371.9	374.1	380.8	388.6	393.1
35°	359.6	361.8	369.6	379.7	385.3
37.5°	346.2	349.5	358.5	369.6	376.3
40°	332.8	336.1	346.2	358.5	368.5
42.5°	317.2	321.6	332.8	349.5	360.7
45°	301.5	307.1	320.5	340.6	352.9
47.5°	284.8	290.4	306.0	331.7	345.1
50°	268.0	274.7	293.7	321.6	336.1
52.5°	250.2	256.9	281.4	311.6	327.2
55°	231.2	241.2	269.1	300.4	316.0
57.5°	212.2	223.3	254.6	288.1	304.9
60°	192.1	205.5	241.2	274.7	291.5
62.5°	173.1	187.6	226.7	260.2	277.0
65°	153.0	169.7	211.1	244.6	260.2
67.5°	131.8	153.0	193.2	225.6	241.2
70°	110.6	135.1	175.3	205.5	220.0
72.5°	91.6	117.3	155.2	180.9	180.9
75°	72.6	98.3	132.9	135.1	131.8
77.5°	55.8	80.4	103.9	94.9	97.2
80°	41.3	61.4	65.9	69.2	71.5
82.5°	27.9	41.3	42.4	44.7	44.7
85°	17.9	21.2	22.3	21.2	20.1
87.5°	7.8	8.9	6.7	4.5	3.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)