

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: P259338

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P259338
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P25706)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22CZ-LD5-24-UNV-L92765-W2A1-U-5700K
Description: CRUZE 2x2 TUNABLE WHITE LED TROFFER
WITH RIBBED LENS
Light Source: (168) 90 CRI LEDS TUNED AT 5700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2297.0 lumens
Efficiency: N/A
Efficacy: 126.7 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.26 / 1.34
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

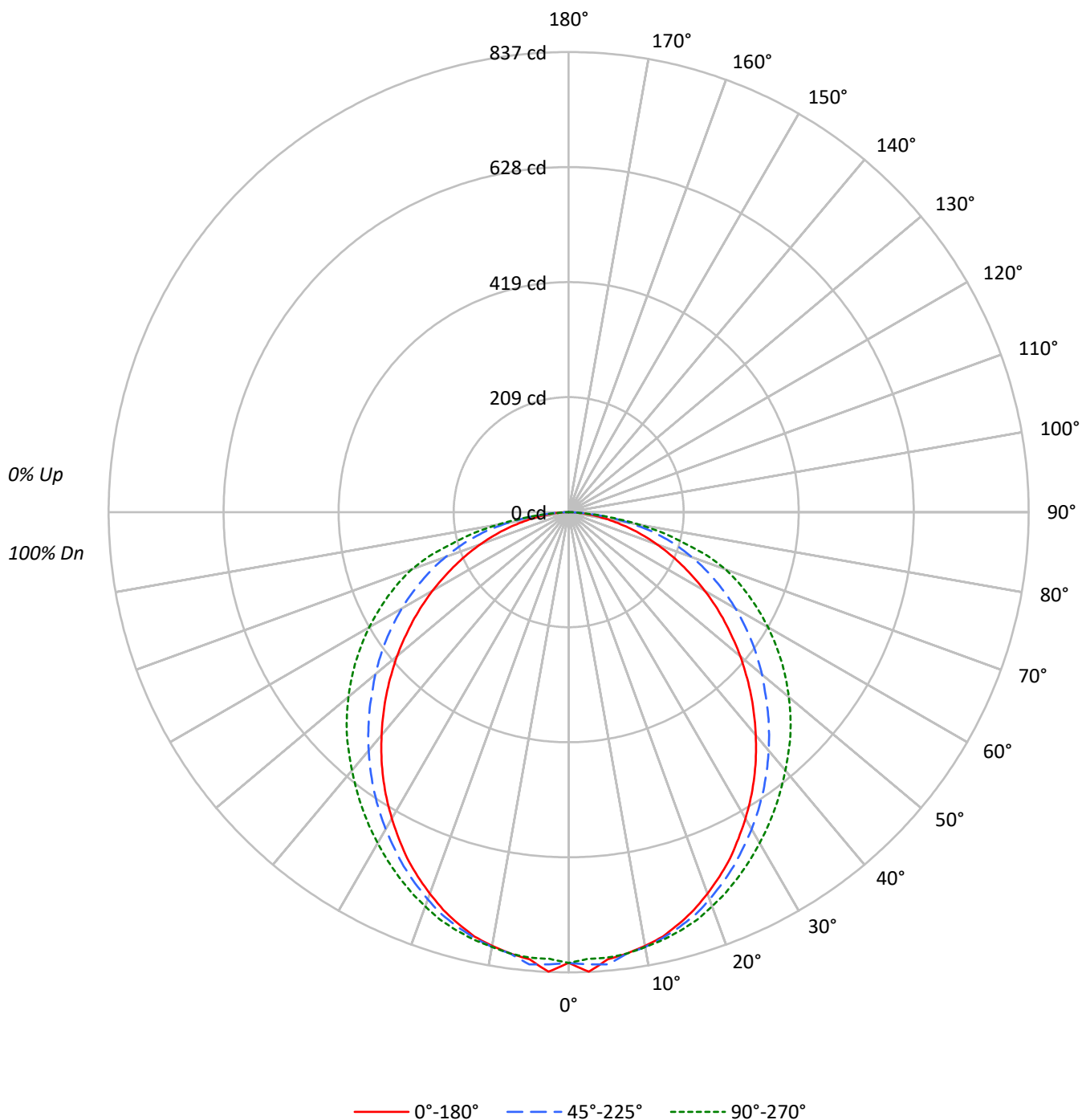
Input Watts (W): 18.135
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					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	82	76		84	79	74		81	77	73		78	74	71
3	90	79	70	64	87	77	69	63		74	68	62		71	66	61		69	64	60
4	82	70	61	54	80	68	60	54		66	59	53		64	57	52		61	56	51
5	75	62	53	46	73	61	53	46		59	51	46		57	50	45		55	49	45
6	70	56	47	41	68	55	47	40		53	46	40		52	45	40		50	44	39
7	65	51	42	36	63	50	42	36		48	41	35		47	40	35		46	40	35
8	60	46	38	32	58	46	38	32		44	37	32		43	36	31		42	36	31
9	56	43	34	29	55	42	34	29		41	34	29		40	33	28		39	33	28
10	53	39	31	26	51	39	31	26		38	31	26		37	30	26		36	30	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2206	2206	2206
5°	2206	2230	2197
10°	2188	2194	2194
15°	2160	2175	2194
20°	2114	2146	2185
25°	2063	2109	2172
30°	1999	2069	2159
35°	1934	2029	2154
40°	1860	1989	2154
45°	1785	1951	2172
50°	1707	1922	2189
55°	1625	1902	2217
60°	1539	1887	2255
65°	1444	1878	2311
70°	1345	1872	2390
75°	1220	1869	2264
80°	1055	1731	2008
85°	895	1309	1275



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.8	3.4
10°-20°	220.3	9.6
20°-30°	327.7	14.3
30°-40°	387.5	16.9
40°-50°	398.3	17.3
50°-60°	364.0	15.8
60°-70°	291.2	12.7
70°-80°	182.7	8.0
80°-90°	47.6	2.1
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°	625.7	27.2
0°-40°	1013.2	44.1
0°-60°	1775.5	77.3
0°-90°	2297.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2297.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	820	820	820	820	820	
5°	816	816	826	820	813	78
15°	775	776	781	785	788	218
25°	695	699	710	723	732	319
35°	589	596	618	641	656	368
45°	469	481	513	551	571	362
55°	346	363	406	450	472	310
65°	227	247	295	340	363	225
75°	117	140	180	207	218	125
85°	29	37	42	41	41	34
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	819.9	819.9	819.9	819.9	819.9
2.5°	836.6	833.3	823.2	816.5	813.2
5°	816.5	816.5	825.5	819.9	813.2
7.5°	809.8	809.8	809.8	826.6	809.8
10°	800.9	802.0	803.1	809.8	803.1
12.5°	790.8	790.8	793.1	795.3	796.4
15°	775.2	776.3	780.8	785.2	787.5
17.5°	758.4	761.8	767.4	773.0	777.4
20°	738.3	742.8	749.5	758.4	762.9
22.5°	717.1	721.6	730.5	740.6	748.4
25°	694.8	699.2	710.4	722.7	731.6
27.5°	669.1	674.7	688.1	704.8	713.8
30°	643.4	650.1	665.7	684.7	694.8
32.5°	616.6	624.4	642.3	663.5	675.8
35°	588.7	596.5	617.7	641.2	655.7
37.5°	559.6	568.6	592.0	618.8	634.5
40°	529.5	539.5	566.3	595.4	613.2
42.5°	499.3	510.5	539.5	574.1	592.0
45°	469.1	481.4	512.7	550.7	570.8
47.5°	437.9	452.4	484.8	527.2	547.3
50°	407.7	422.2	459.1	502.6	522.8
52.5°	376.4	393.2	432.3	477.0	498.2
55°	346.3	363.0	405.5	450.2	472.5
57.5°	316.1	332.9	377.5	423.3	445.7
60°	286.0	303.8	350.7	395.4	418.9
62.5°	255.8	274.8	322.8	368.6	390.9
65°	226.8	246.9	294.9	339.6	363.0
67.5°	198.8	220.0	267.0	310.5	334.0
70°	170.9	192.1	237.9	280.4	303.8
72.5°	144.1	165.3	210.0	248.0	265.8
75°	117.3	139.6	179.8	206.6	217.8
77.5°	91.6	113.9	148.6	166.4	178.7
80°	68.1	87.1	111.7	125.1	129.6
82.5°	46.9	62.6	78.2	81.5	83.8
85°	29.0	36.9	42.4	41.3	41.3
87.5°	13.4	14.5	12.3	8.9	5.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)