

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: P259350

Luminaire Tested: **22CZ-LD5-34-UNV-L92765-W2A1-U-3000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P259350
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-LD5-34-UNV-L92765-W2A1-U-3000K
Description: CRUZE 2x2 TUNABLE WHITE LED TROFFER
WITH RIBBED LENS
Light Source: (168) 90 CRI LEDS TUNED AT 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2800.0 lumens
Efficiency: N/A
Efficacy: 110.3 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

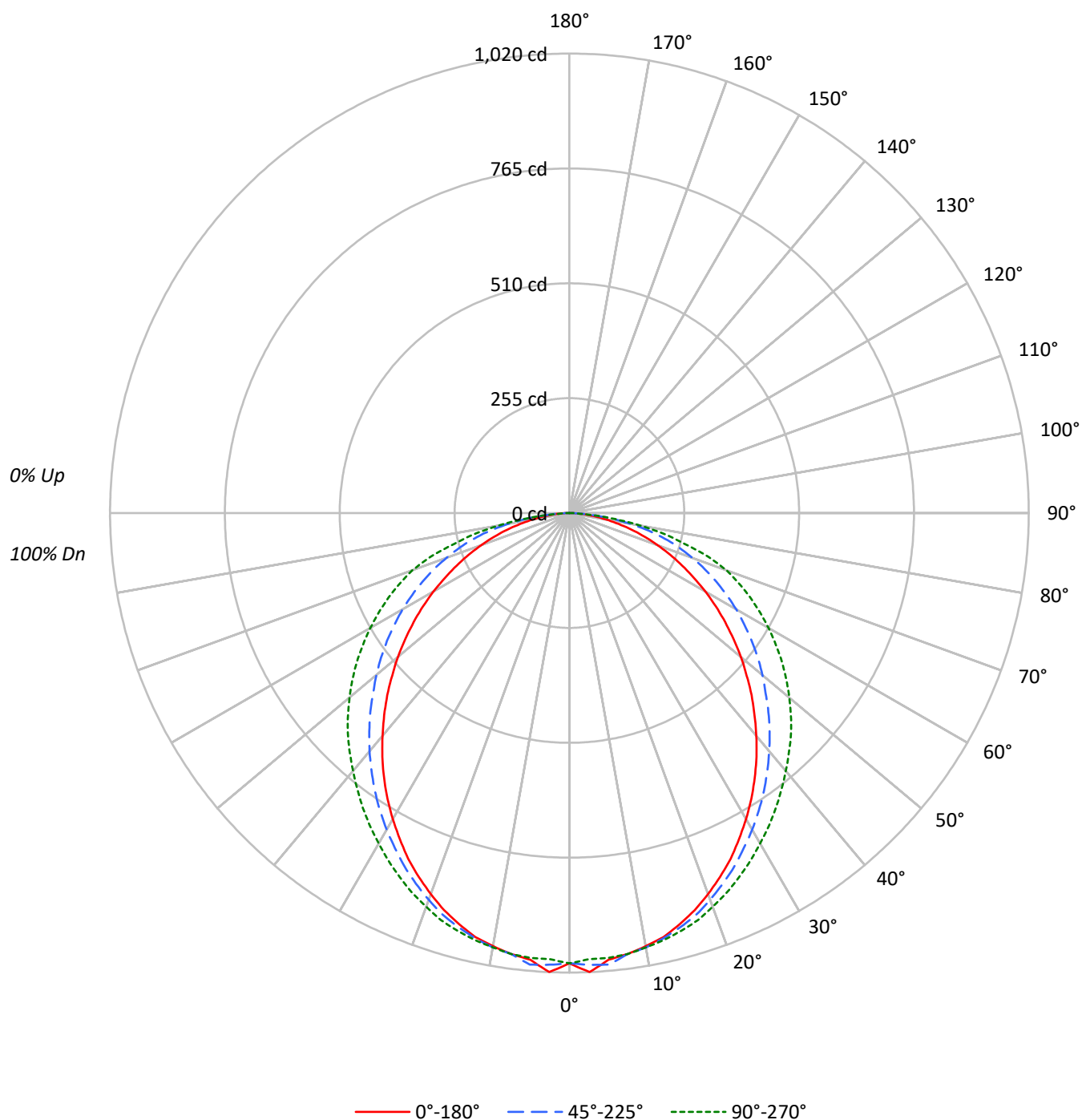
Input Watts (W): 25.389
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2689	2689	2689
5°	2689	2718	2677
10°	2668	2675	2675
15°	2633	2652	2674
20°	2577	2616	2663
25°	2515	2571	2648
30°	2437	2522	2632
35°	2357	2474	2626
40°	2267	2425	2626
45°	2176	2379	2648
50°	2081	2343	2668
55°	1980	2319	2702
60°	1876	2301	2748
65°	1760	2289	2818
70°	1639	2282	2914
75°	1487	2279	2760
80°	1288	2111	2447
85°	1093	1596	1556



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.8	3.4
10°-20°	268.5	9.6
20°-30°	399.4	14.3
30°-40°	472.4	16.9
40°-50°	485.5	17.3
50°-60°	443.7	15.8
60°-70°	354.9	12.7
70°-80°	222.8	8.0
80°-90°	58.0	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°	762.7	27.2
0°-40°	1235.1	44.1
0°-60°	2164.3	77.3
0°-90°	2800.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2800.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	999	999	999	999	999	
5°	995	995	1006	999	991	95
15°	945	946	952	957	960	266
25°	847	852	866	881	892	389
35°	718	727	753	782	799	448
45°	572	587	625	671	696	441
55°	422	442	494	549	576	378
65°	276	301	360	414	442	274
75°	143	170	219	252	266	152
85°	35	45	52	50	50	41
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	999.4	999.4	999.4	999.4	999.4
2.5°	1019.8	1015.8	1003.5	995.3	991.2
5°	995.3	995.3	1006.2	999.4	991.2
7.5°	987.2	987.2	987.2	1007.6	987.2
10°	976.3	977.6	979.0	987.2	979.0
12.5°	964.0	964.0	966.7	969.5	970.8
15°	945.0	946.3	951.8	957.2	959.9
17.5°	924.5	928.6	935.4	942.2	947.7
20°	900.0	905.5	913.6	924.5	930.0
22.5°	874.1	879.6	890.5	902.7	912.3
25°	846.9	852.4	866.0	881.0	891.8
27.5°	815.6	822.4	838.7	859.2	870.1
30°	784.3	792.5	811.5	834.7	846.9
32.5°	751.6	761.1	782.9	808.8	823.8
35°	717.6	727.1	753.0	781.6	799.3
37.5°	682.2	693.1	721.6	754.3	773.4
40°	645.4	657.7	690.3	725.7	747.5
42.5°	608.6	622.3	657.7	699.9	721.6
45°	571.9	586.8	625.0	671.3	695.8
47.5°	533.7	551.4	590.9	642.7	667.2
50°	497.0	514.7	559.6	612.7	637.2
52.5°	458.9	479.3	526.9	581.4	607.3
55°	422.1	442.5	494.3	548.7	576.0
57.5°	385.3	405.8	460.2	516.0	543.3
60°	348.6	370.4	427.5	482.0	510.6
62.5°	311.8	335.0	393.5	449.3	476.6
65°	276.4	300.9	359.5	413.9	442.5
67.5°	242.4	268.2	325.4	378.5	407.1
70°	208.3	234.2	290.0	341.8	370.4
72.5°	175.6	201.5	256.0	302.3	324.1
75°	143.0	170.2	219.2	251.9	265.5
77.5°	111.7	138.9	181.1	202.9	217.9
80°	83.1	106.2	136.2	152.5	157.9
82.5°	57.2	76.2	95.3	99.4	102.1
85°	35.4	44.9	51.7	50.4	50.4
87.5°	16.3	17.7	15.0	10.9	6.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)