

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: P260533

Luminaire Tested: **22CZ-LD5-34-RDP-UNV-L92765-W2A1-U-6500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P260533
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-LD5-34-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: 2403.0 lumens
Efficiency: N/A
Efficacy: 89.4 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

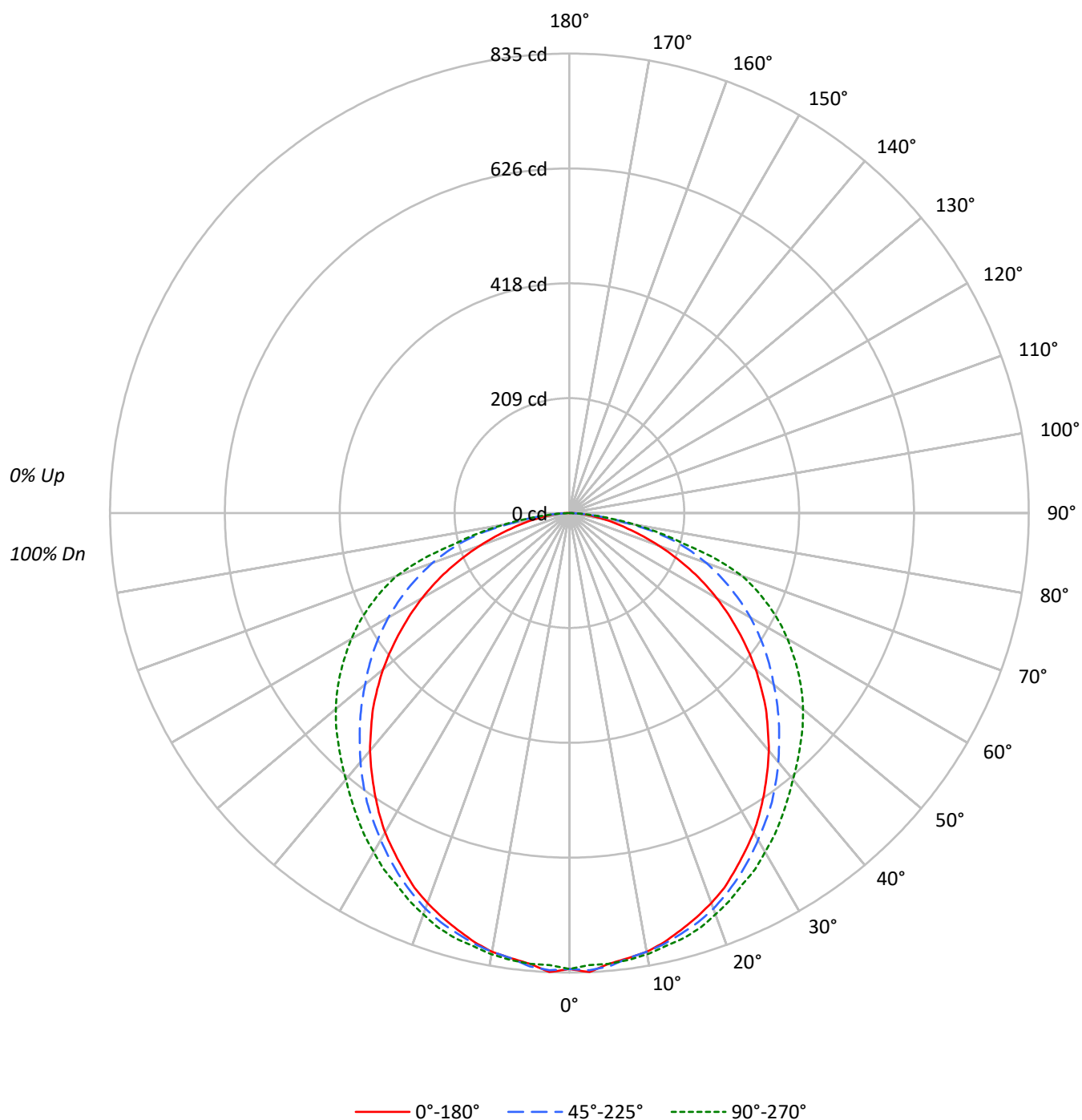
Input Watts (W): 26.877
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	81	76		84	79	74		81	77	73		78	74	71
3	89	79	70	64	87	77	69	63		74	67	62		71	66	61		69	64	60
4	82	69	60	54	79	68	60	53		66	58	52		63	57	52		61	56	51
5	75	62	53	46	73	61	52	46		59	51	45		57	50	45		55	49	44
6	69	56	47	40	67	55	46	40		53	45	40		51	44	39		50	44	39
7	64	50	42	35	62	50	41	35		48	40	35		47	40	35		45	39	34
8	60	46	37	31	58	45	37	31		44	37	31		43	36	31		42	35	31
9	56	42	34	28	54	42	34	28		40	33	28		39	33	28		38	32	28
10	52	39	31	26	51	38	31	26		37	30	25		36	30	25		36	30	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2229	2229	2229
5°	2221	2234	2221
10°	2212	2212	2225
15°	2184	2202	2229
20°	2159	2191	2223
25°	2121	2164	2211
30°	2082	2131	2210
35°	2030	2107	2212
40°	1981	2076	2220
45°	1923	2050	2261
50°	1850	2029	2321
55°	1761	2036	2386
60°	1662	2046	2464
65°	1533	2057	2552
70°	1359	2081	2629
75°	1153	2075	2240
80°	958	1669	1866
85°	831	1124	1074



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.3	3.3
10°-20°	223.3	9.3
20°-30°	335.9	14.0
30°-40°	402.5	16.8
40°-50°	419.8	17.5
50°-60°	390.8	16.3
60°-70°	317.3	13.2
70°-80°	191.2	8.0
80°-90°	43.9	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°	637.4	26.5
0°-40°	1040.0	43.3
0°-60°	1850.6	77.0
0°-90°	2403.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2403.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	828	828	828	828	828	
5°	822	822	827	828	822	78
15°	784	787	790	795	800	221
25°	714	719	729	738	744	329
35°	618	626	642	661	673	387
45°	505	515	539	573	594	389
55°	375	391	434	482	508	336
65°	241	266	323	374	401	238
75°	111	147	200	212	215	120
85°	27	33	36	35	35	31
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	828.5	828.5	828.5	828.5	828.5
2.5°	834.8	833.2	831.6	826.9	822.1
5°	822.1	822.1	826.9	828.5	822.1
7.5°	815.8	815.8	815.8	822.1	819.0
10°	809.5	809.5	809.5	814.2	814.2
12.5°	798.4	800.0	801.5	803.1	806.3
15°	784.1	787.3	790.4	795.2	800.0
17.5°	769.9	773.0	779.4	784.1	790.4
20°	754.0	757.2	765.1	769.9	776.2
22.5°	736.6	738.2	747.7	754.0	761.9
25°	714.4	719.2	728.7	738.2	744.5
27.5°	692.2	697.0	708.1	720.7	730.3
30°	670.1	674.8	685.9	701.7	711.2
32.5°	644.7	651.0	663.7	682.7	693.8
35°	617.8	625.7	641.5	660.6	673.2
37.5°	590.9	598.8	616.2	640.0	652.6
40°	563.9	571.8	590.9	616.2	632.0
42.5°	533.8	543.3	563.9	594.0	613.0
45°	505.3	514.8	538.6	573.4	594.0
47.5°	473.6	484.7	511.7	551.3	575.0
50°	442.0	454.6	484.7	529.1	554.4
52.5°	408.7	422.9	459.4	505.3	532.2
55°	375.4	391.3	434.0	481.6	508.5
57.5°	342.2	359.6	407.1	456.2	483.1
60°	308.9	327.9	380.2	430.9	457.8
62.5°	275.6	296.2	351.7	402.4	430.9
65°	240.8	266.1	323.1	373.8	400.8
67.5°	205.9	236.0	294.6	343.7	369.1
70°	172.7	205.9	264.5	310.5	334.2
72.5°	141.0	175.8	232.9	272.5	282.0
75°	110.9	147.3	199.6	212.3	215.4
77.5°	85.5	118.8	158.4	161.6	169.5
80°	61.8	90.3	107.7	117.2	120.4
82.5°	42.8	61.8	71.3	72.9	74.5
85°	26.9	33.3	36.4	34.8	34.8
87.5°	14.3	12.7	11.1	7.9	6.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)