

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: P260527

Luminaire Tested: **22CZ-LD5-34-RDP-UNV-L92765-W2A1-U-3500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P260527
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-3500K
Description: CRUZE 2x2 TUNABLE WHITE LED TROFFER
WITH RDP LENS
Light Source: (168) 90 CRI LEDS TUNED AT 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2167.0 lumens
Efficiency: N/A
Efficacy: 84.1 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

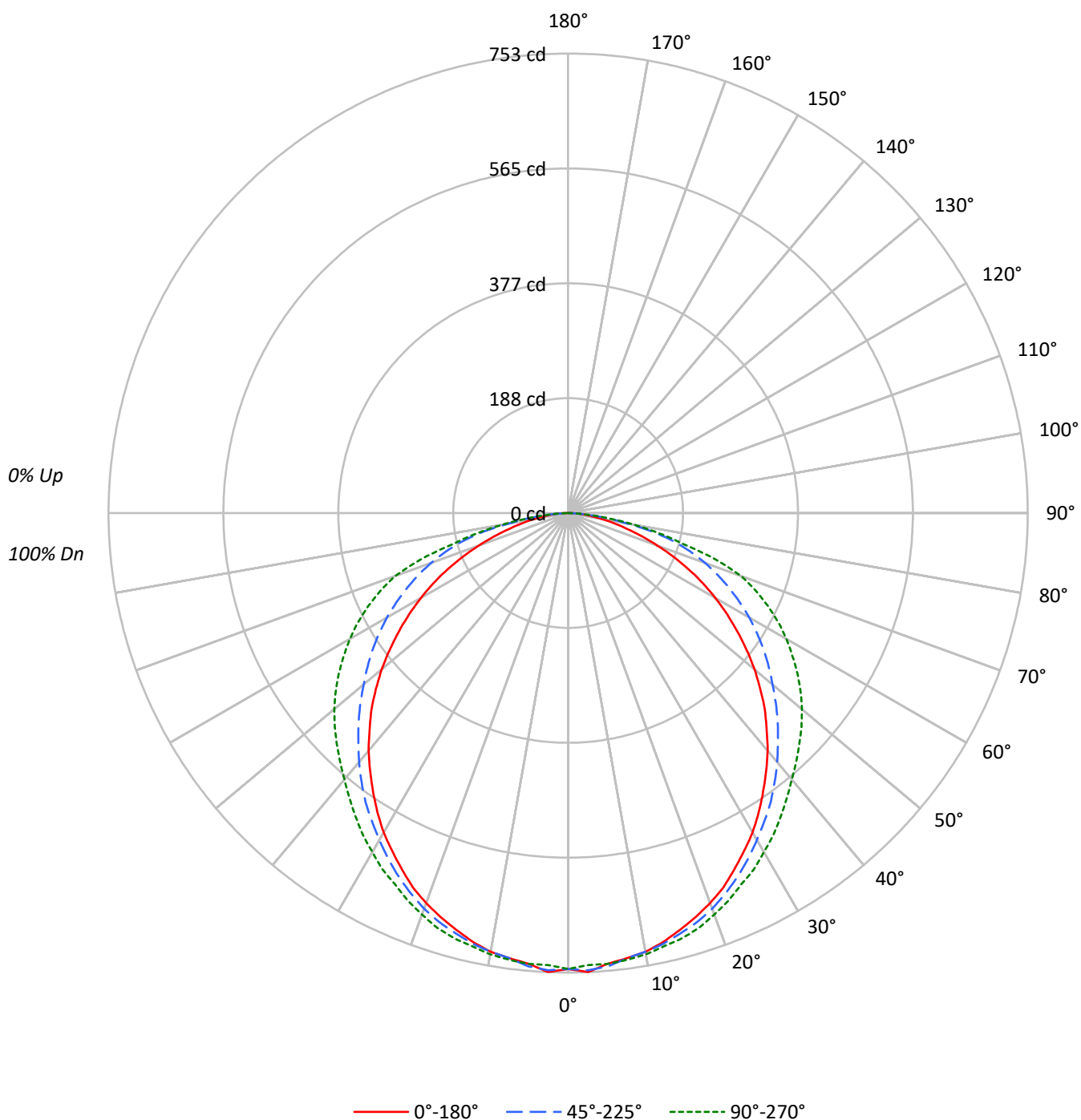
Input Watts (W): 25.761
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2010	2010	2010
5°	2003	2014	2003
10°	1995	1995	2006
15°	1970	1986	2010
20°	1947	1976	2005
25°	1913	1951	1993
30°	1878	1922	1993
35°	1830	1900	1994
40°	1786	1872	2002
45°	1734	1848	2039
50°	1668	1830	2093
55°	1589	1836	2151
60°	1499	1845	2222
65°	1382	1855	2301
70°	1225	1877	2371
75°	1040	1871	2020
80°	863	1505	1683
85°	750	1016	969



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.6	3.3
10°-20°	201.3	9.3
20°-30°	302.9	14.0
30°-40°	363.0	16.8
40°-50°	378.6	17.5
50°-60°	352.4	16.3
60°-70°	286.2	13.2
70°-80°	172.4	8.0
80°-90°	39.5	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°	574.8	26.5
0°-40°	937.8	43.3
0°-60°	1668.8	77.0
0°-90°	2167.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2167.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	747	747	747	747	747	
5°	741	741	746	747	741	70
15°	707	710	713	717	721	200
25°	644	648	657	666	671	297
35°	557	564	578	596	607	349
45°	456	464	486	517	536	351
55°	339	353	391	434	458	303
65°	217	240	291	337	361	215
75°	100	133	180	191	194	108
85°	24	30	33	31	31	28
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	747.1	747.1	747.1	747.1	747.1
2.5°	752.8	751.4	750.0	745.7	741.4
5°	741.4	741.4	745.7	747.1	741.4
7.5°	735.7	735.7	735.7	741.4	738.5
10°	730.0	730.0	730.0	734.2	734.2
12.5°	720.0	721.4	722.8	724.2	727.1
15°	707.1	710.0	712.8	717.1	721.4
17.5°	694.2	697.1	702.8	707.1	712.8
20°	680.0	682.8	690.0	694.2	700.0
22.5°	664.2	665.7	674.2	680.0	687.1
25°	644.2	648.5	657.1	665.7	671.4
27.5°	624.3	628.5	638.5	650.0	658.5
30°	604.3	608.5	618.5	632.8	641.4
32.5°	581.4	587.1	598.5	615.7	625.7
35°	557.1	564.3	578.5	595.7	607.1
37.5°	532.8	540.0	555.7	577.1	588.5
40°	508.5	515.7	532.8	555.7	570.0
42.5°	481.4	490.0	508.5	535.7	552.8
45°	455.7	464.3	485.7	517.1	535.7
47.5°	427.1	437.1	461.4	497.1	518.5
50°	398.5	410.0	437.1	477.1	500.0
52.5°	368.6	381.4	414.3	455.7	480.0
55°	338.6	352.8	391.4	434.3	458.5
57.5°	308.6	324.3	367.1	411.4	435.7
60°	278.6	295.7	342.8	388.5	412.8
62.5°	248.6	267.1	317.1	362.8	388.5
65°	217.1	240.0	291.4	337.1	361.4
67.5°	185.7	212.8	265.7	310.0	332.8
70°	155.7	185.7	238.6	280.0	301.4
72.5°	127.1	158.6	210.0	245.7	254.3
75°	100.0	132.8	180.0	191.4	194.3
77.5°	77.1	107.1	142.8	145.7	152.8
80°	55.7	81.4	97.1	105.7	108.6
82.5°	38.6	55.7	64.3	65.7	67.1
85°	24.3	30.0	32.9	31.4	31.4
87.5°	12.9	11.4	10.0	7.1	5.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)