

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: P275515

Luminaire Tested: **14CZ2-25-UNV-L92765-W2A1-U-4500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275515
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-783-49)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 14CZ2-25-UNV-L92765-W2A1-U-4500K
Description: CRUZE 2.0 1x4 TUNABLE WHITE LED TROFFER
WITH RIBBED LENS
Light Source: (168) 90 CRI LEDS TUNED TO 4500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2198.0 lumens
Efficiency: N/A
Efficacy: 118.2 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.37
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

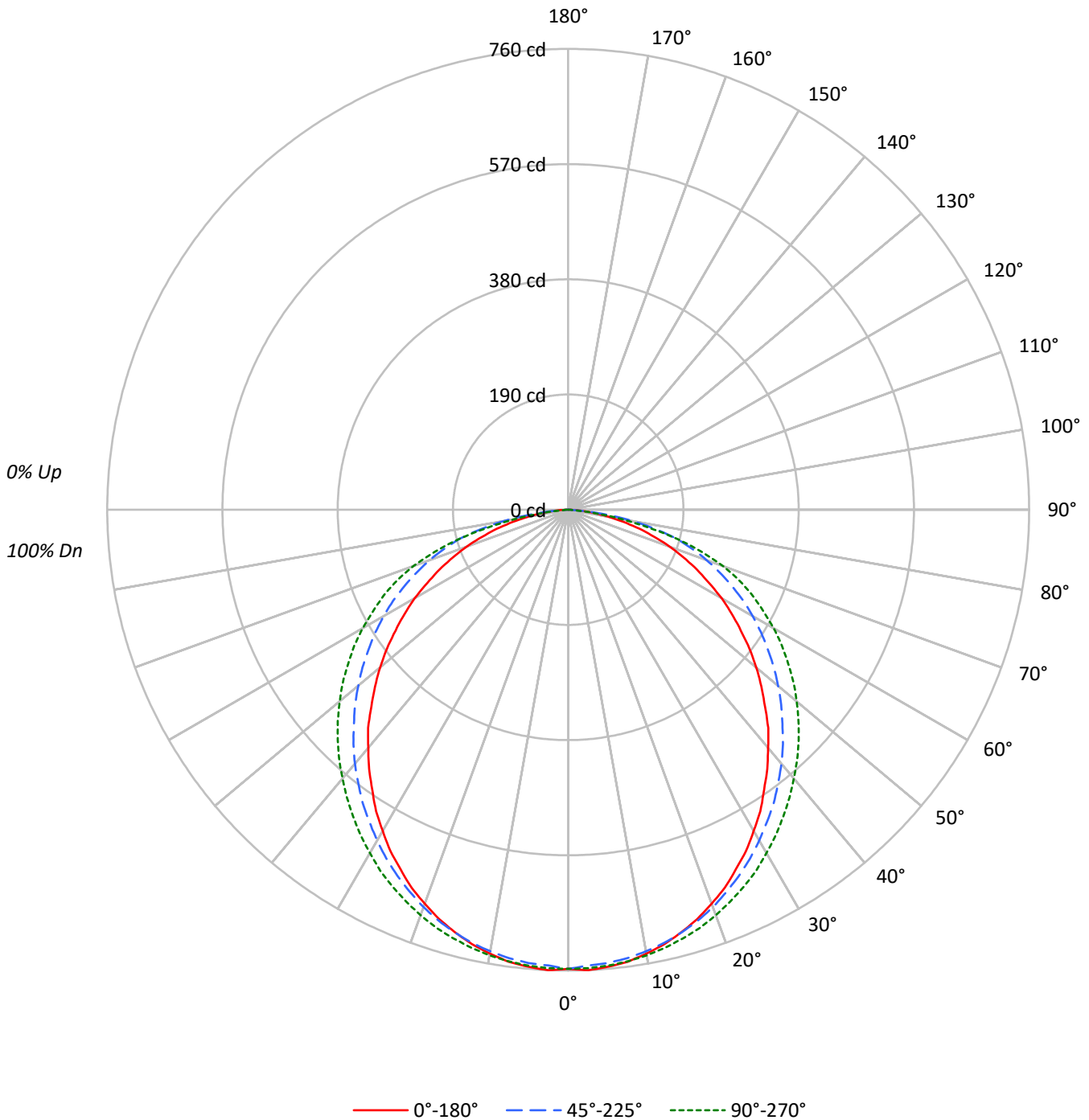
Input Watts (W): 18.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	99	95	106	101	97	94	97	94	91	93	90	88	90	87	85	83
2	98	90	83	77	96	88	82	76	84	79	74	81	77	73	78	74	71	69
3	89	79	70	64	87	77	69	63	74	67	62	71	66	61	69	64	60	58
4	82	70	61	54	79	68	60	53	66	58	53	63	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	34	32
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	39	31	26	37	30	26	37	30	25	36	30	25	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2038	2038	2038
5°	2044	2027	2039
10°	2032	2021	2040
15°	2010	2011	2038
20°	1980	1997	2038
25°	1943	1978	2036
30°	1901	1957	2032
35°	1850	1940	2030
40°	1801	1922	2033
45°	1746	1901	2044
50°	1695	1892	2058
55°	1630	1886	2076
60°	1572	1889	2105
65°	1492	1894	2138
70°	1400	1909	2136
75°	1268	1927	1932
80°	1040	1663	1375
85°	772	787	318



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.7	3.3
10°-20°	204.7	9.3
20°-30°	308.3	14.0
30°-40°	370.0	16.8
40°-50°	385.7	17.5
50°-60°	357.0	16.2
60°-70°	288.5	13.1
70°-80°	175.9	8.0
80°-90°	36.3	1.7
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°	584.7	26.6
0°-40°	954.7	43.4
0°-60°	1697.4	77.2
0°-90°	2198.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2198.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	757	757	757	757	757	
5°	757	755	750	756	755	72
15°	721	722	722	732	732	203
25°	654	658	666	683	686	302
35°	563	572	591	612	618	353
45°	459	472	499	527	537	355
55°	348	366	402	433	443	311
65°	234	257	298	327	336	232
75°	122	149	185	188	186	128
85°	25	37	26	14	10	31
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	757.2	757.2	757.2	757.2	757.2
2.5°	760.2	757.7	752.3	757.7	756.7
5°	756.7	754.8	750.4	755.7	754.8
7.5°	751.8	749.9	745.9	752.3	751.3
10°	743.5	742.5	739.6	746.9	746.4
12.5°	733.7	733.2	731.7	740.1	739.6
15°	721.4	721.9	721.9	731.7	731.7
17.5°	707.7	708.7	710.7	721.4	722.9
20°	691.5	693.5	697.4	709.7	711.6
22.5°	674.9	676.4	682.2	696.9	698.9
25°	654.3	658.2	666.1	682.7	685.7
27.5°	634.7	638.1	648.9	666.1	671.0
30°	611.7	617.0	629.8	648.4	653.8
32.5°	589.6	595.5	610.2	631.8	636.7
35°	563.1	572.0	590.6	612.1	618.0
37.5°	539.1	547.5	568.5	592.1	598.9
40°	512.7	522.9	547.0	572.0	578.8
42.5°	488.1	498.0	523.9	549.4	558.7
45°	458.7	472.5	499.4	527.4	537.2
47.5°	431.8	445.5	476.4	506.3	515.1
50°	404.8	419.5	451.9	482.8	491.6
52.5°	376.9	392.6	427.4	458.3	468.5
55°	347.5	365.6	401.9	433.3	442.6
57.5°	319.6	338.2	376.9	408.8	418.1
60°	292.1	311.2	350.9	381.3	391.1
62.5°	261.7	284.3	325.4	355.3	362.7
65°	234.3	257.3	297.5	327.4	335.7
67.5°	205.4	230.4	270.5	298.0	305.8
70°	177.9	203.9	242.6	268.1	271.5
72.5°	148.5	175.0	214.2	230.4	230.4
75°	122.0	149.0	185.3	188.2	185.8
77.5°	93.1	123.0	146.5	140.7	134.8
80°	67.1	96.6	107.3	96.6	88.7
82.5°	45.1	70.1	64.7	51.5	45.6
85°	25.0	37.2	25.5	14.2	10.3
87.5°	9.3	8.3	2.5	2.5	2.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)