

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: P260525

Luminaire Tested: **22CZ-LD5-34-RDP-UNV-L92765-W2A1-U-2700K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P260525
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-2700K
Description: CRUZE 2x2 TUNABLE WHITE LED TROFFER
WITH RDP LENS
Light Source: (168) 90 CRI LEDS TUNED AT 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1984.0 lumens
Efficiency: N/A
Efficacy: 77.6 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

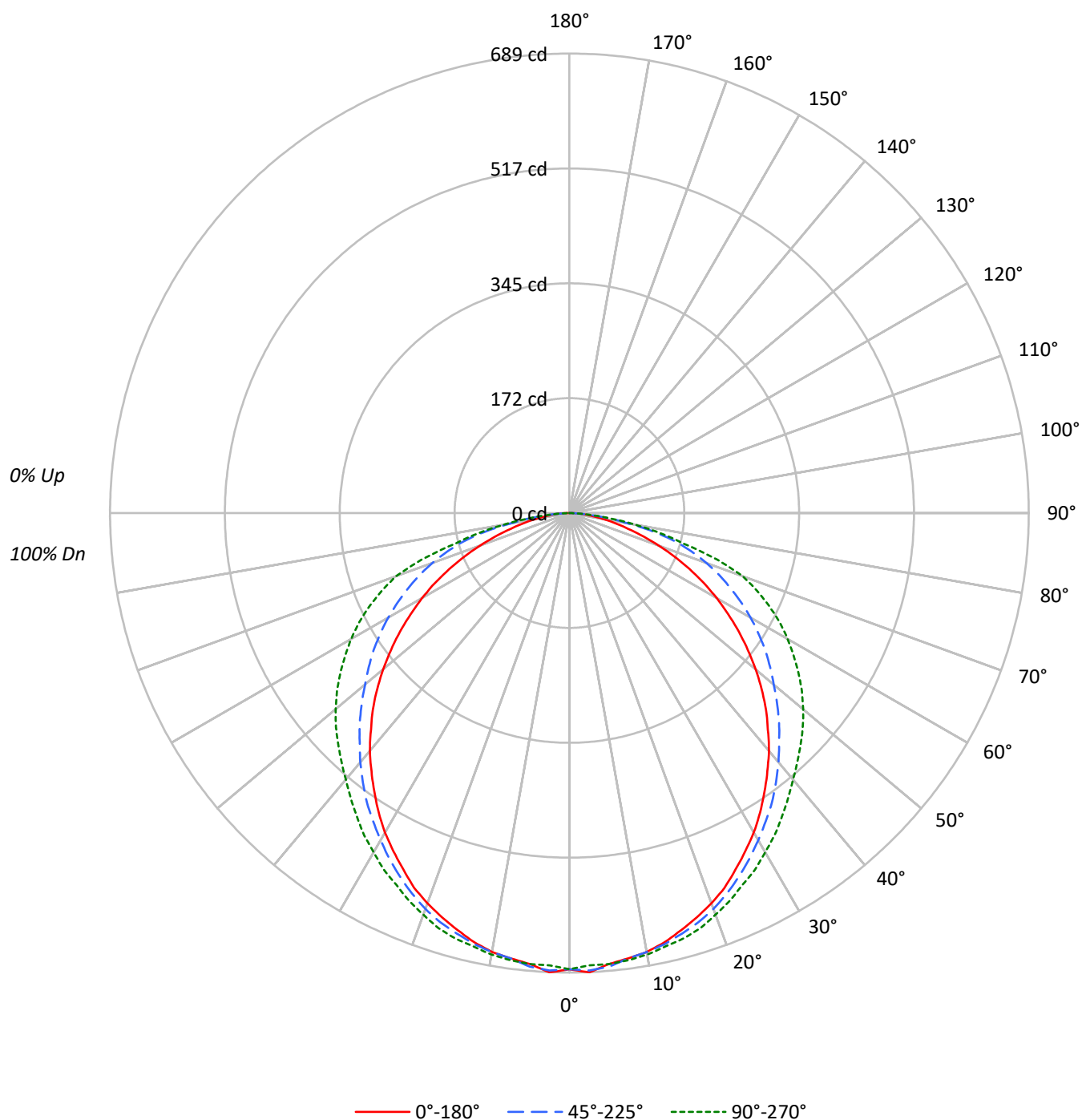
Input Watts (W): 25.575
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1841	1841	1841
5°	1834	1844	1834
10°	1826	1826	1837
15°	1804	1818	1840
20°	1783	1809	1835
25°	1751	1786	1825
30°	1719	1760	1825
35°	1676	1740	1826
40°	1636	1714	1833
45°	1588	1692	1866
50°	1528	1675	1916
55°	1454	1681	1970
60°	1372	1689	2034
65°	1266	1699	2107
70°	1122	1718	2172
75°	951	1713	1850
80°	790	1378	1540
85°	685	929	889



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.6	3.3
10°-20°	184.3	9.3
20°-30°	277.3	14.0
30°-40°	332.3	16.8
40°-50°	346.6	17.5
50°-60°	322.7	16.3
60°-70°	262.0	13.2
70°-80°	157.9	8.0
80°-90°	36.2	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°	526.3	26.5
0°-40°	858.6	43.3
0°-60°	1527.9	77.0
0°-90°	1984.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1984.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	684	684	684	684	684	
5°	679	679	683	684	679	65
15°	647	650	653	656	660	183
25°	590	594	602	610	615	272
35°	510	517	530	545	556	319
45°	417	425	445	473	490	321
55°	310	323	358	398	420	277
65°	199	220	267	309	331	197
75°	92	122	165	175	178	99
85°	22	28	30	29	29	26
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	684.0	684.0	684.0	684.0	684.0
2.5°	689.2	687.9	686.6	682.7	678.8
5°	678.8	678.8	682.7	684.0	678.8
7.5°	673.5	673.5	673.5	678.8	676.2
10°	668.3	668.3	668.3	672.2	672.2
12.5°	659.2	660.5	661.8	663.1	665.7
15°	647.4	650.0	652.6	656.5	660.5
17.5°	635.6	638.2	643.5	647.4	652.6
20°	622.5	625.2	631.7	635.6	640.8
22.5°	608.2	609.5	617.3	622.5	629.1
25°	589.8	593.8	601.6	609.5	614.7
27.5°	571.5	575.5	584.6	595.1	602.9
30°	553.2	557.1	566.3	579.4	587.2
32.5°	532.3	537.5	548.0	563.7	572.8
35°	510.1	516.6	529.7	545.4	555.8
37.5°	487.8	494.4	508.8	528.4	538.8
40°	465.6	472.1	487.8	508.8	521.8
42.5°	440.7	448.6	465.6	490.4	506.1
45°	417.2	425.1	444.7	473.4	490.4
47.5°	391.0	400.2	422.4	455.1	474.8
50°	364.9	375.4	400.2	436.8	457.7
52.5°	337.4	349.2	379.3	417.2	439.4
55°	310.0	323.0	358.4	397.6	419.8
57.5°	282.5	296.9	336.1	376.7	398.9
60°	255.0	270.7	313.9	355.7	378.0
62.5°	227.6	244.6	290.3	332.2	355.7
65°	198.8	219.7	266.8	308.7	330.9
67.5°	170.0	194.9	243.3	283.8	304.7
70°	142.6	170.0	218.4	256.3	276.0
72.5°	116.4	145.2	192.3	225.0	232.8
75°	91.5	121.6	164.8	175.3	177.9
77.5°	70.6	98.1	130.8	133.4	139.9
80°	51.0	74.5	88.9	96.8	99.4
82.5°	35.3	51.0	58.9	60.2	61.5
85°	22.2	27.5	30.1	28.8	28.8
87.5°	11.8	10.5	9.2	6.5	5.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)