

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: P260426

Luminaire Tested: **22CZ-LD5-29-RDP-UNV-L93050-W2A1-U-4000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P260426
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-LD5-29-RDP-UNV-L93050-W2A1-U-4000K
Description: CRUZE 2x2 TUNABLE WHITE LED TROFFER
WITH RDP LENS
Light Source: (168) 90 CRI LEDS TUNED AT 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1928.0 lumens
Efficiency: N/A
Efficacy: 90.2 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

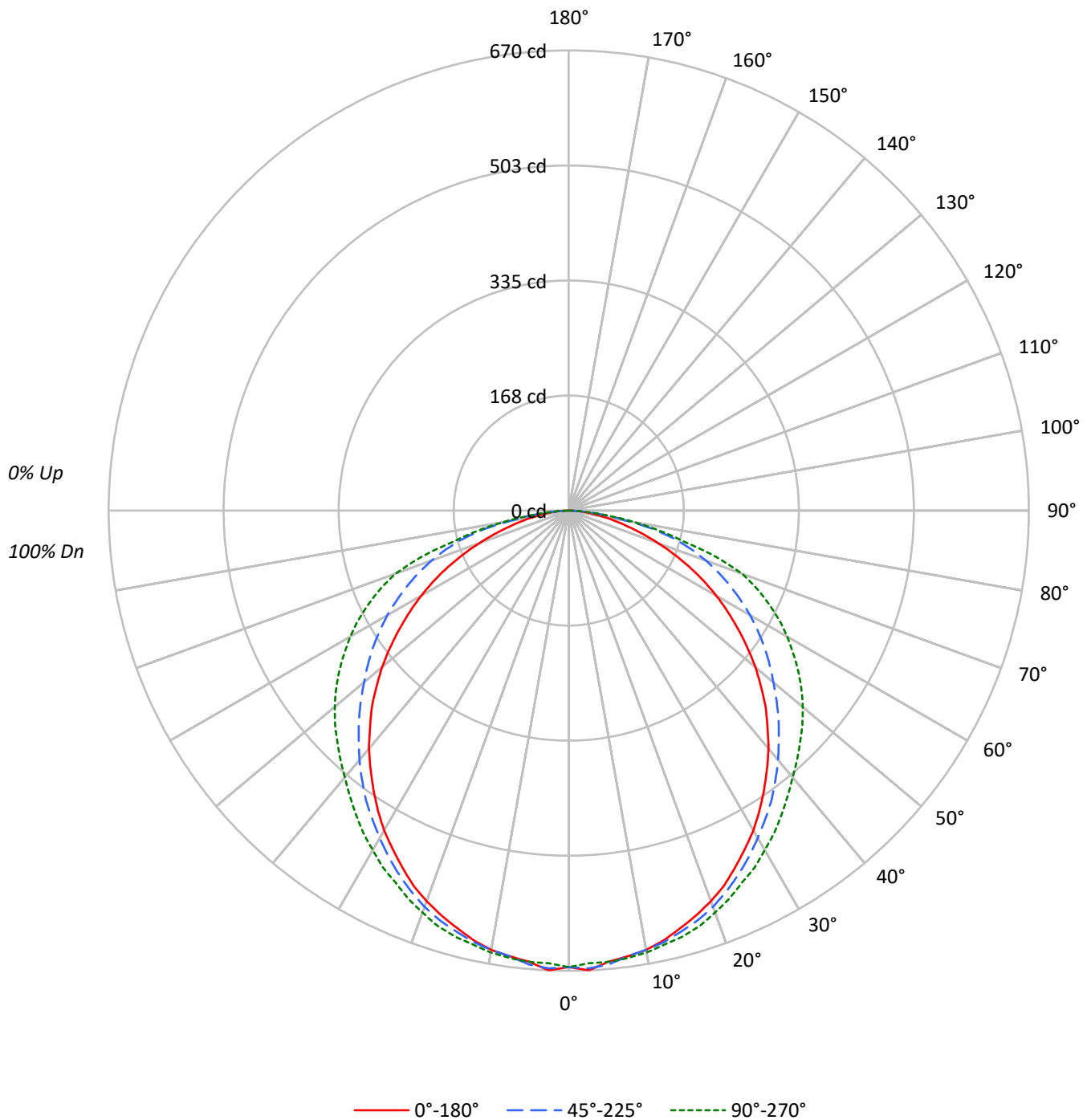
Input Watts (W): 21.373632
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1789	1789	1789
5°	1782	1792	1782
10°	1775	1775	1785
15°	1753	1767	1788
20°	1733	1758	1783
25°	1702	1736	1773
30°	1670	1710	1773
35°	1628	1691	1774
40°	1590	1665	1781
45°	1543	1644	1814
50°	1485	1628	1862
55°	1413	1634	1914
60°	1334	1641	1977
65°	1230	1651	2047
70°	1090	1670	2110
75°	925	1665	1797
80°	769	1339	1497
85°	667	902	865



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.8	3.3
10°-20°	179.1	9.3
20°-30°	269.5	14.0
30°-40°	323.0	16.8
40°-50°	336.8	17.5
50°-60°	313.6	16.3
60°-70°	254.6	13.2
70°-80°	153.4	8.0
80°-90°	35.2	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°	511.4	26.5
0°-40°	834.4	43.3
0°-60°	1484.8	77.0
0°-90°	1928.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1928.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	665	665	665	665	665	
5°	660	660	663	665	660	63
15°	629	632	634	638	642	178
25°	573	577	585	592	597	264
35°	496	502	515	530	540	310
45°	405	413	432	460	477	312
55°	301	314	348	386	408	269
65°	193	214	259	300	322	191
75°	89	118	160	170	173	96
85°	22	27	29	28	28	25
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	664.7	664.7	664.7	664.7	664.7
2.5°	669.8	668.5	667.2	663.4	659.6
5°	659.6	659.6	663.4	664.7	659.6
7.5°	654.5	654.5	654.5	659.6	657.1
10°	649.5	649.5	649.5	653.3	653.3
12.5°	640.6	641.8	643.1	644.4	646.9
15°	629.1	631.7	634.2	638.0	641.8
17.5°	617.7	620.2	625.3	629.1	634.2
20°	605.0	607.5	613.9	617.7	622.8
22.5°	591.0	592.3	599.9	605.0	611.3
25°	573.2	577.0	584.6	592.3	597.3
27.5°	555.4	559.2	568.1	578.3	585.9
30°	537.6	541.4	550.3	563.0	570.7
32.5°	517.3	522.4	532.5	547.8	556.7
35°	495.7	502.0	514.7	530.0	540.1
37.5°	474.1	480.4	494.4	513.5	523.6
40°	452.5	458.8	474.1	494.4	507.1
42.5°	428.3	435.9	452.5	476.6	491.9
45°	405.4	413.1	432.1	460.1	476.6
47.5°	380.0	388.9	410.5	442.3	461.4
50°	354.6	364.8	388.9	424.5	444.8
52.5°	327.9	339.3	368.6	405.4	427.0
55°	301.2	313.9	348.2	386.4	408.0
57.5°	274.5	288.5	326.6	366.0	387.6
60°	247.8	263.1	305.0	345.7	367.3
62.5°	221.1	237.7	282.1	322.8	345.7
65°	193.2	213.5	259.3	299.9	321.5
67.5°	165.2	189.4	236.4	275.8	296.1
70°	138.5	165.2	212.2	249.1	268.2
72.5°	113.1	141.1	186.8	218.6	226.2
75°	89.0	118.2	160.1	170.3	172.8
77.5°	68.6	95.3	127.1	129.6	136.0
80°	49.6	72.4	86.4	94.0	96.6
82.5°	34.3	49.6	57.2	58.5	59.7
85°	21.6	26.7	29.2	28.0	28.0
87.5°	11.4	10.2	8.9	6.4	5.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)