

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: P260551

Luminaire Tested: **22CZ-LD5-44-RDP-UNV-L92765-W2A1-U-6500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P260551
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-LD5-44-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: 3090.0 lumens
Efficiency: N/A
Efficacy: 85.4 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

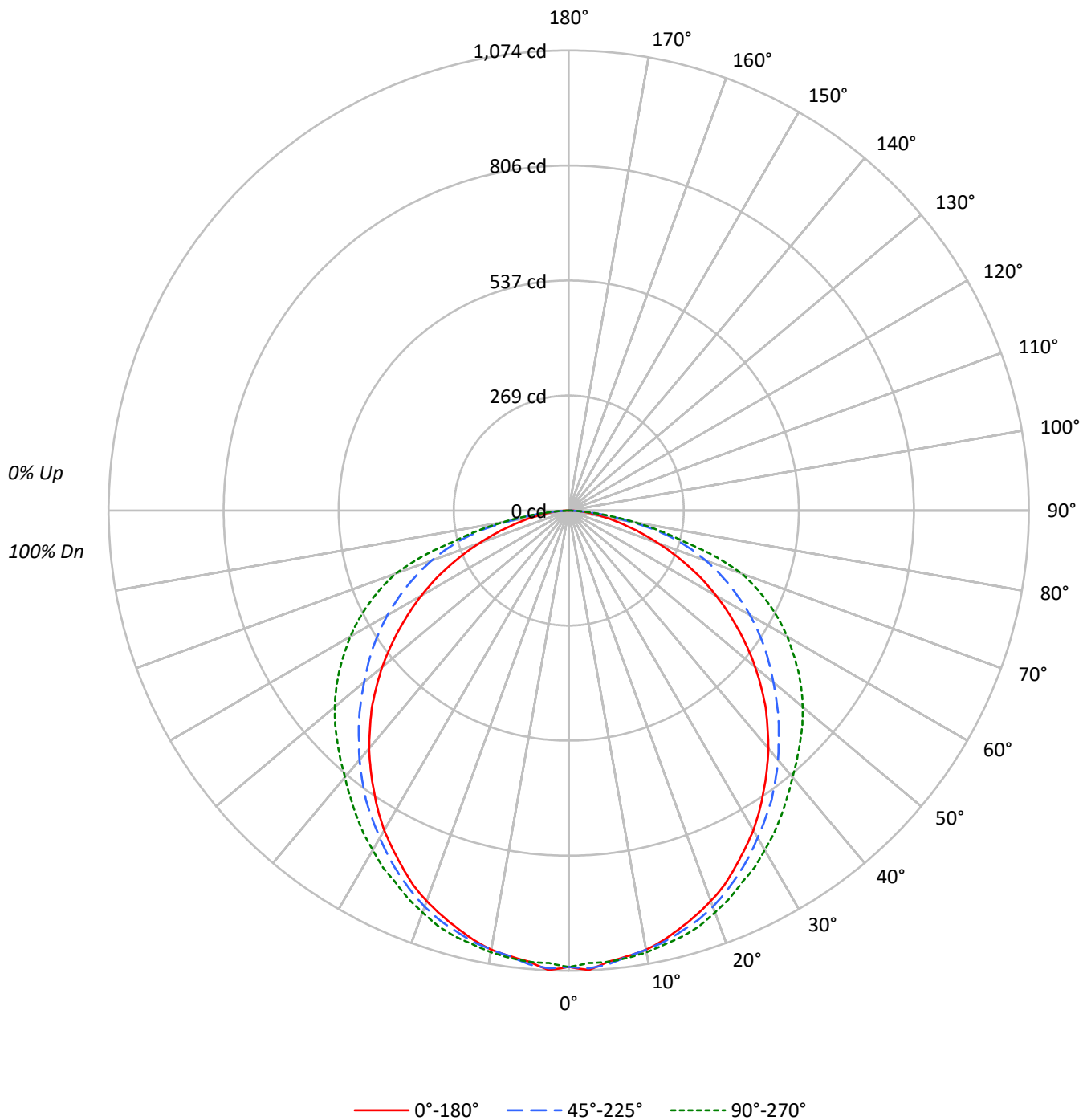
Input Watts (W): 36.177
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2867	2867	2867
5°	2856	2872	2856
10°	2844	2844	2861
15°	2809	2832	2866
20°	2777	2817	2858
25°	2728	2782	2843
30°	2677	2741	2842
35°	2610	2710	2844
40°	2547	2669	2855
45°	2473	2636	2907
50°	2379	2609	2984
55°	2265	2618	3068
60°	2138	2631	3168
65°	1971	2646	3281
70°	1747	2677	3382
75°	1483	2669	2880
80°	1230	2146	2399
85°	1068	1445	1383



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.7	3.3
10°-20°	287.1	9.3
20°-30°	431.9	14.0
30°-40°	517.6	16.8
40°-50°	539.8	17.5
50°-60°	502.6	16.3
60°-70°	408.1	13.2
70°-80°	245.9	8.0
80°-90°	56.4	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°	819.7	26.5
0°-40°	1337.3	43.3
0°-60°	2379.6	77.0
0°-90°	3090.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3090.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1065	1065	1065	1065	1065	
5°	1057	1057	1063	1065	1057	101
15°	1008	1012	1016	1022	1029	285
25°	919	925	937	949	957	423
35°	794	805	825	849	866	497
45°	650	662	693	737	764	500
55°	483	503	558	619	654	432
65°	310	342	416	481	515	306
75°	143	189	257	273	277	154
85°	35	43	47	45	45	40
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1065.3	1065.3	1065.3	1065.3	1065.3
2.5°	1073.5	1071.4	1069.4	1063.3	1057.2
5°	1057.2	1057.2	1063.3	1065.3	1057.2
7.5°	1049.0	1049.0	1049.0	1057.2	1053.1
10°	1040.9	1040.9	1040.9	1047.0	1047.0
12.5°	1026.6	1028.7	1030.7	1032.7	1036.8
15°	1008.3	1012.4	1016.4	1022.5	1028.7
17.5°	989.9	994.0	1002.2	1008.3	1016.4
20°	969.6	973.7	983.8	989.9	998.1
22.5°	947.2	949.2	961.4	969.6	979.8
25°	918.7	924.8	937.0	949.2	957.4
27.5°	890.1	896.3	910.5	926.8	939.0
30°	861.6	867.7	882.0	902.4	914.6
32.5°	829.0	837.2	853.5	877.9	892.2
35°	794.4	804.6	825.0	849.4	865.7
37.5°	759.8	770.0	792.4	822.9	839.2
40°	725.1	735.3	759.8	792.4	812.7
42.5°	686.4	698.7	725.1	763.8	788.3
45°	649.8	662.0	692.6	737.4	763.8
47.5°	609.0	623.3	657.9	708.9	739.4
50°	568.3	584.6	623.3	680.3	712.9
52.5°	525.5	543.9	590.7	649.8	684.4
55°	482.8	503.1	558.1	619.2	653.9
57.5°	440.0	462.4	523.5	586.6	621.3
60°	397.2	421.6	488.9	554.0	588.7
62.5°	354.4	380.9	452.2	517.4	554.0
65°	309.6	342.2	415.5	480.7	515.3
67.5°	264.8	303.5	378.9	442.0	474.6
70°	222.0	264.8	340.2	399.2	429.8
72.5°	181.3	226.1	299.4	350.4	362.6
75°	142.6	189.4	256.7	272.9	277.0
77.5°	110.0	152.8	203.7	207.8	218.0
80°	79.4	116.1	138.5	150.7	154.8
82.5°	55.0	79.4	91.7	93.7	95.7
85°	34.6	42.8	46.8	44.8	44.8
87.5°	18.3	16.3	14.3	10.2	8.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)