

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: P260546

Luminaire Tested: **22CZ-LD5-44-RDP-UNV-L92765-W2A1-U-4000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P260546
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-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: 2876.0 lumens
Efficiency: N/A
Efficacy: 82.2 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

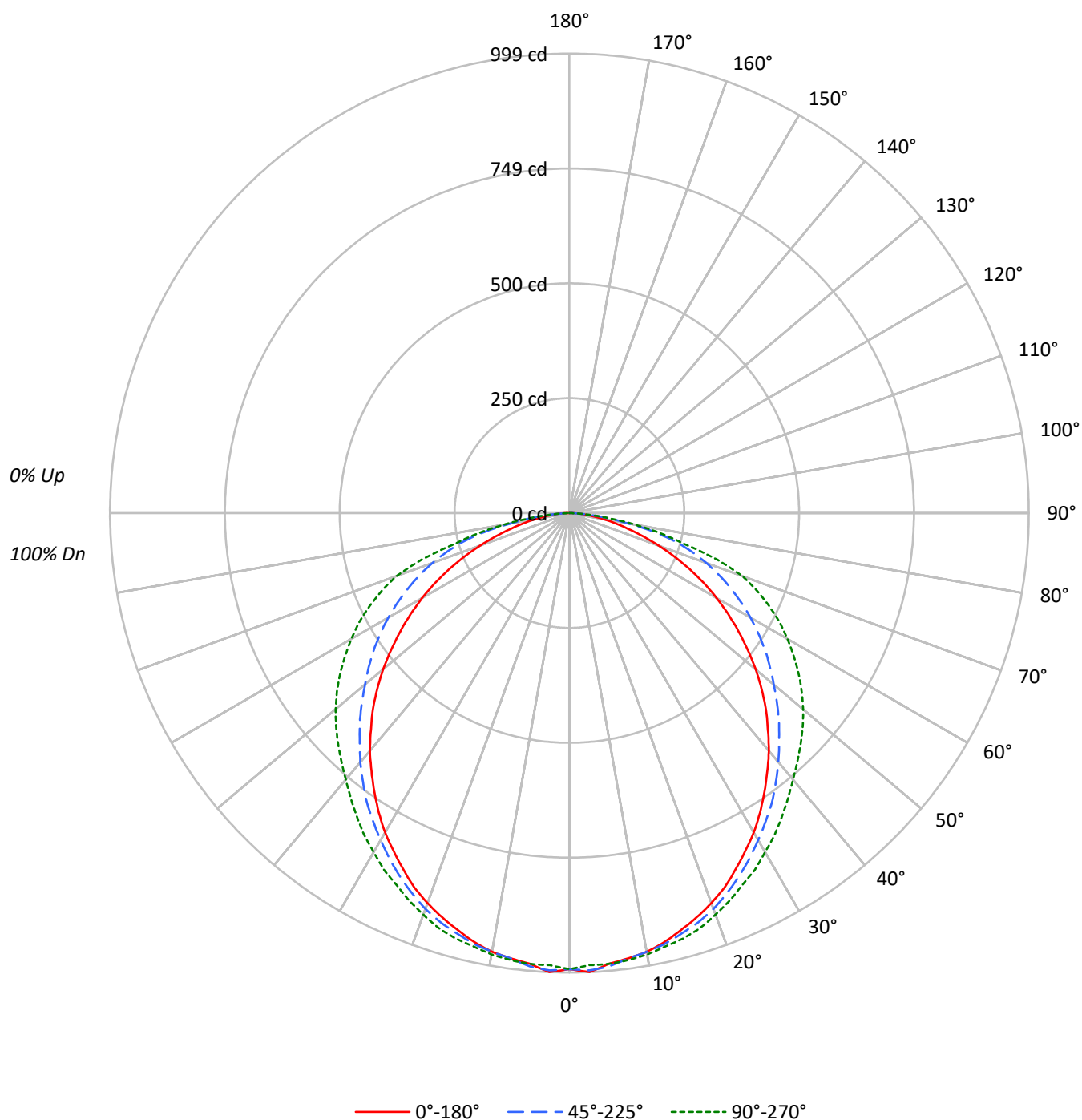
Input Watts (W): 34.968
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	30	10	0		
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	108	104	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	83		
2	98	90	83	77	96	88	81	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	57		
4	82	69	60	54	79	68	60	53	66	58	52	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	50	42	35	62	50	41	35	48	40	35	47	40	35	45	39	34	32		
8	60	46	37	31	58	45	37	31	44	37	31	43	36	31	42	35	31	29		
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26		
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2668	2668	2668
5°	2658	2673	2658
10°	2647	2647	2663
15°	2615	2635	2667
20°	2584	2622	2660
25°	2539	2589	2646
30°	2492	2551	2645
35°	2429	2522	2647
40°	2371	2484	2657
45°	2302	2453	2705
50°	2214	2429	2778
55°	2108	2437	2855
60°	1990	2449	2949
65°	1835	2463	3054
70°	1626	2491	3147
75°	1380	2484	2680
80°	1145	1998	2233
85°	994	1346	1288



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.7	3.3
10°-20°	267.2	9.3
20°-30°	402.0	14.0
30°-40°	481.8	16.8
40°-50°	502.4	17.5
50°-60°	467.7	16.3
60°-70°	379.8	13.2
70°-80°	228.9	8.0
80°-90°	52.5	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°	762.9	26.5
0°-40°	1244.7	43.3
0°-60°	2214.8	77.0
0°-90°	2876.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2876.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	992	992	992	992	992	
5°	984	984	990	992	984	94
15°	938	942	946	952	957	265
25°	855	861	872	884	891	394
35°	739	749	768	791	806	463
45°	605	616	645	686	711	466
55°	449	468	520	576	609	402
65°	288	318	387	447	480	285
75°	133	176	239	254	258	143
85°	32	40	44	42	42	37
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	991.5	991.5	991.5	991.5	991.5
2.5°	999.1	997.2	995.3	989.6	984.0
5°	984.0	984.0	989.6	991.5	984.0
7.5°	976.4	976.4	976.4	984.0	980.2
10°	968.8	968.8	968.8	974.5	974.5
12.5°	955.5	957.4	959.3	961.2	965.0
15°	938.5	942.2	946.0	951.7	957.4
17.5°	921.4	925.2	932.8	938.5	946.0
20°	902.4	906.2	915.7	921.4	929.0
22.5°	881.6	883.5	894.8	902.4	911.9
25°	855.0	860.7	872.1	883.5	891.1
27.5°	828.5	834.2	847.5	862.6	874.0
30°	802.0	807.6	820.9	839.9	851.2
32.5°	771.6	779.2	794.4	817.1	830.4
35°	739.4	748.9	767.8	790.6	805.7
37.5°	707.2	716.6	737.5	765.9	781.1
40°	674.9	684.4	707.2	737.5	756.4
42.5°	638.9	650.3	674.9	710.9	733.7
45°	604.8	616.2	644.6	686.3	710.9
47.5°	566.9	580.1	612.4	659.8	688.2
50°	528.9	544.1	580.1	633.2	663.6
52.5°	489.1	506.2	549.8	604.8	637.0
55°	449.3	468.3	519.5	576.3	608.6
57.5°	409.5	430.4	487.2	546.0	578.2
60°	369.7	392.4	455.0	515.7	547.9
62.5°	329.9	354.5	420.9	481.5	515.7
65°	288.2	318.5	386.8	447.4	479.7
67.5°	246.5	282.5	352.6	411.4	441.7
70°	206.6	246.5	316.6	371.6	400.0
72.5°	168.7	210.4	278.7	326.1	337.5
75°	132.7	176.3	238.9	254.0	257.8
77.5°	102.4	142.2	189.6	193.4	202.9
80°	73.9	108.1	128.9	140.3	144.1
82.5°	51.2	73.9	85.3	87.2	89.1
85°	32.2	39.8	43.6	41.7	41.7
87.5°	17.1	15.2	13.3	9.5	7.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)