

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: P260439

Luminaire Tested: **22CZ-LD5-44-RDP-UNV-L93050-W2A1-U-3000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P260439
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-L93050-W2A1-U-3000K
Description: CRUZE 2x2 TUNABLE WHITE LED TROFFER
WITH RDP LENS
Light Source: (168) 90 CRI LEDS TUNED AT 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2533.0 lumens
Efficiency: N/A
Efficacy: 71.6 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

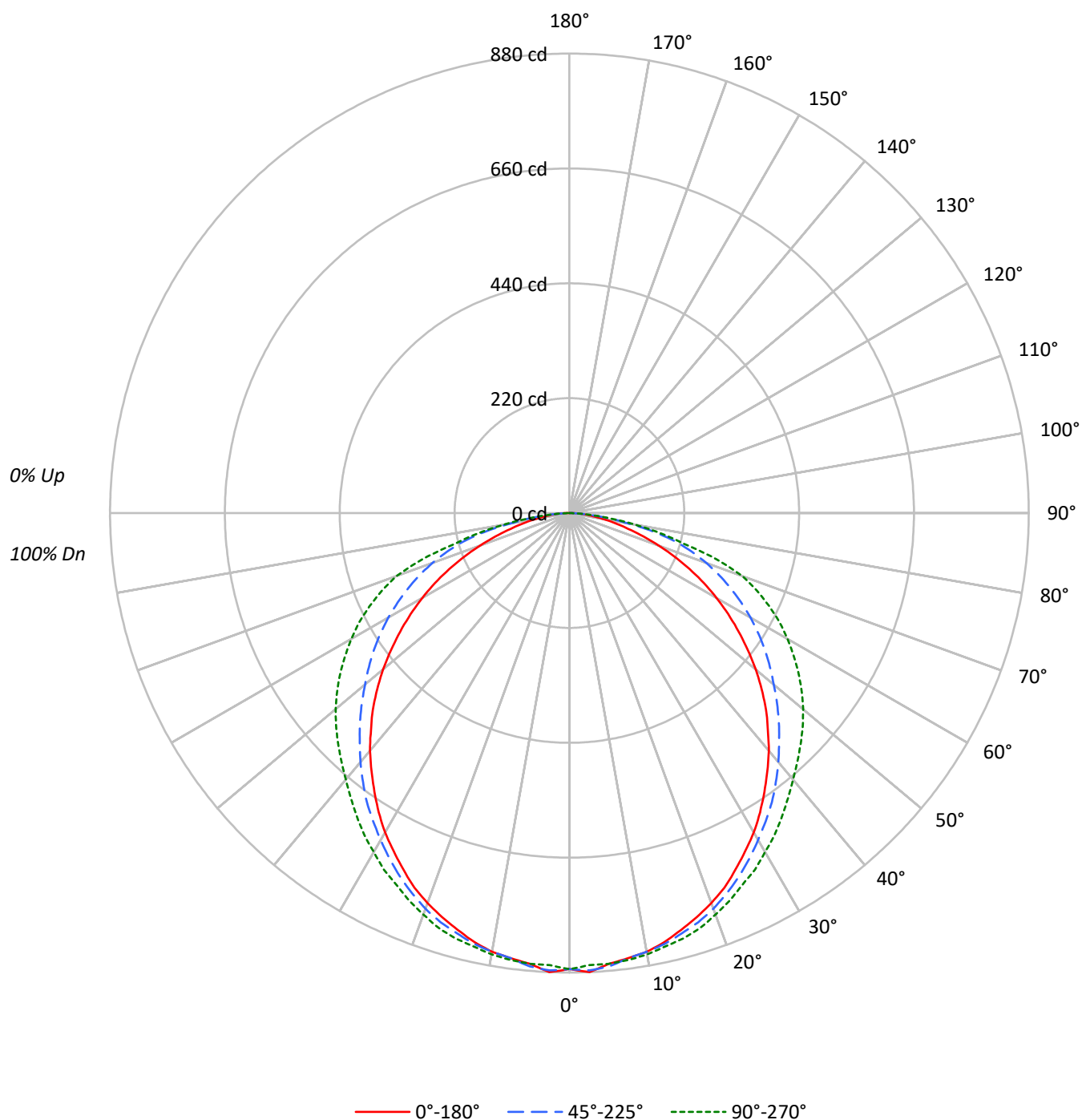
Input Watts (W): 35.391708
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2350	2350	2350
5°	2341	2354	2341
10°	2331	2331	2345
15°	2303	2321	2349
20°	2276	2310	2343
25°	2236	2281	2330
30°	2195	2247	2330
35°	2139	2222	2331
40°	2088	2188	2340
45°	2027	2160	2383
50°	1950	2139	2447
55°	1856	2146	2515
60°	1752	2157	2597
65°	1616	2169	2690
70°	1432	2194	2772
75°	1215	2188	2361
80°	1009	1759	1967
85°	877	1186	1133



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.5	3.3
10°-20°	235.3	9.3
20°-30°	354.1	14.0
30°-40°	424.3	16.8
40°-50°	442.5	17.5
50°-60°	412.0	16.3
60°-70°	334.5	13.2
70°-80°	201.6	8.0
80°-90°	46.2	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°	671.9	26.5
0°-40°	1096.2	43.3
0°-60°	1950.7	77.0
0°-90°	2533.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2533.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	873	873	873	873	873	
5°	867	867	872	873	867	82
15°	826	830	833	838	843	233
25°	753	758	768	778	785	347
35°	651	660	676	696	710	408
45°	533	543	568	604	626	410
55°	396	412	458	508	536	354
65°	254	280	341	394	422	251
75°	117	155	210	224	227	126
85°	28	35	38	37	37	33
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	873.3	873.3	873.3	873.3	873.3
2.5°	880.0	878.3	876.6	871.6	866.6
5°	866.6	866.6	871.6	873.3	866.6
7.5°	859.9	859.9	859.9	866.6	863.3
10°	853.2	853.2	853.2	858.3	858.3
12.5°	841.6	843.2	844.9	846.6	849.9
15°	826.5	829.9	833.2	838.2	843.2
17.5°	811.5	814.8	821.5	826.5	833.2
20°	794.8	798.1	806.5	811.5	818.2
22.5°	776.4	778.1	788.1	794.8	803.2
25°	753.1	758.1	768.1	778.1	784.8
27.5°	729.7	734.7	746.4	759.7	769.8
30°	706.3	711.3	723.0	739.7	749.7
32.5°	679.6	686.3	699.6	719.7	731.4
35°	651.2	659.6	676.3	696.3	709.6
37.5°	622.8	631.2	649.5	674.6	687.9
40°	594.4	602.8	622.8	649.5	666.2
42.5°	562.7	572.7	594.4	626.2	646.2
45°	532.7	542.7	567.7	604.5	626.2
47.5°	499.3	510.9	539.3	581.1	606.1
50°	465.9	479.2	510.9	557.7	584.4
52.5°	430.8	445.8	484.2	532.7	561.0
55°	395.7	412.4	457.5	507.6	536.0
57.5°	360.7	379.0	429.1	480.9	509.3
60°	325.6	345.6	400.7	454.2	482.6
62.5°	290.5	312.2	370.7	424.1	454.2
65°	253.8	280.5	340.6	394.1	422.4
67.5°	217.1	248.8	310.6	362.3	389.1
70°	182.0	217.1	278.8	327.3	352.3
72.5°	148.6	185.3	245.5	287.2	297.2
75°	116.9	155.3	210.4	223.7	227.1
77.5°	90.2	125.2	167.0	170.3	178.7
80°	65.1	95.2	113.5	123.6	126.9
82.5°	45.1	65.1	75.1	76.8	78.5
85°	28.4	35.1	38.4	36.7	36.7
87.5°	15.0	13.4	11.7	8.3	6.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)