

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: P263875

Luminaire Tested: **24CZ-LD5-30SE-RDP-UNV-L92765-W2A1-U-6500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P263875
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P25696)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 24CZ-LD5-30SE-RDP-UNV-L92765-W2A1-U-6500K
Description: CRUZE 2x4 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: 2001.0 lumens
Efficiency: N/A
Efficacy: 87.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.3 / 1.41
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

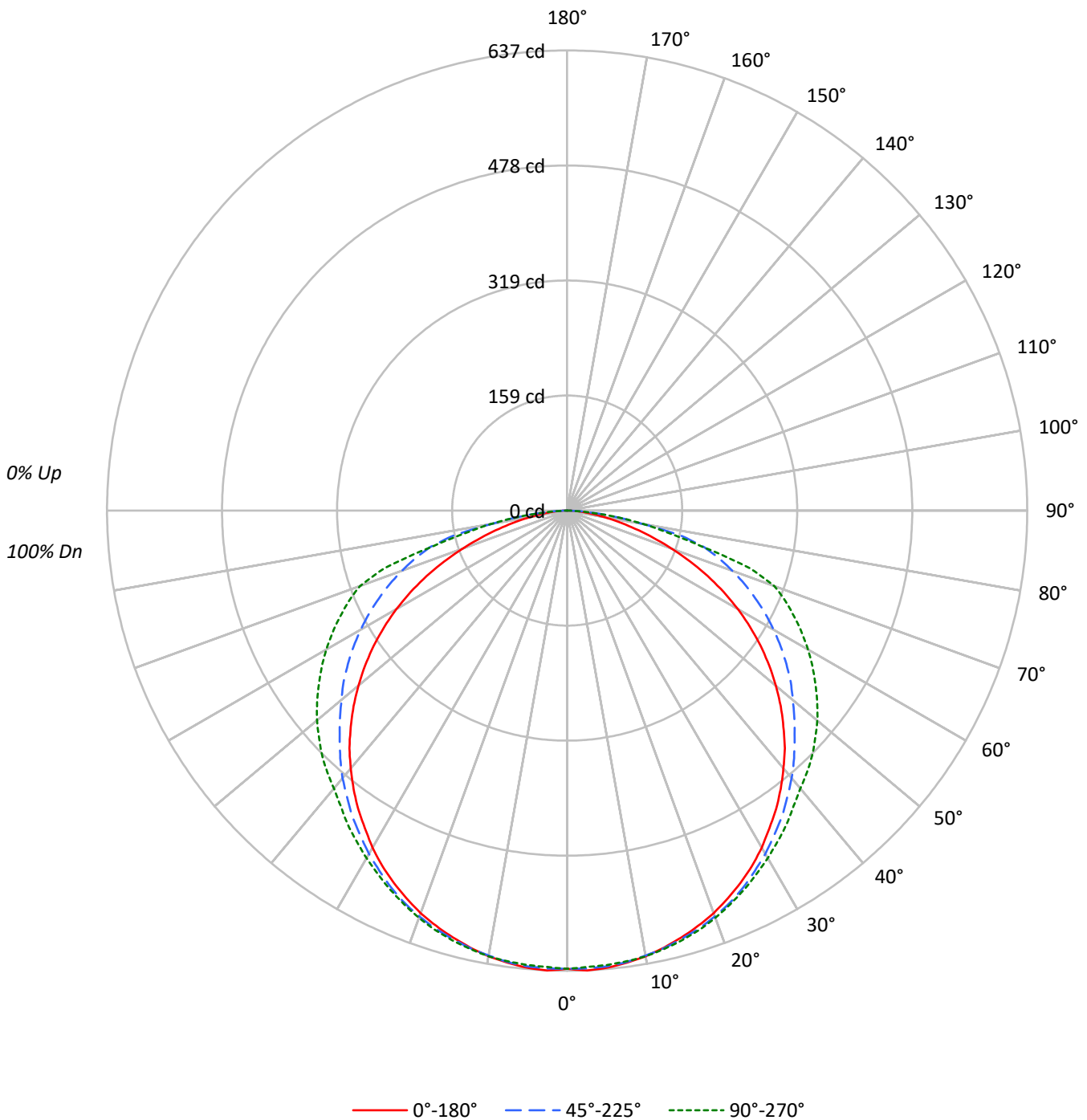
Input Watts (W): 22.785
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			20
RC	80				70				50			30			10			0
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	103	98	94	105	101	97	93	96	93	90	92	90	87	89	87	84	82
2	98	89	82	76	95	87	80	75	83	78	73	80	75	71	77	73	70	67
3	89	78	69	62	86	76	68	62	73	66	60	70	64	59	67	62	58	56
4	81	68	59	52	78	67	58	52	64	57	51	62	56	50	60	54	50	47
5	74	61	51	45	72	60	51	44	57	50	44	55	49	43	54	48	43	41
6	68	55	45	39	66	54	45	38	52	44	38	50	43	38	48	42	37	35
7	63	49	40	34	61	48	40	34	47	39	34	45	38	33	44	38	33	31
8	59	45	36	30	57	44	36	30	43	35	30	42	35	30	40	34	29	27
9	55	41	33	27	53	41	32	27	39	32	27	38	32	27	37	31	27	25
10	51	38	30	24	50	37	30	24	36	29	24	35	29	24	35	28	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	853	853	853
5°	858	855	853
10°	856	855	856
15°	852	855	858
20°	849	856	859
25°	844	855	860
30°	837	852	863
35°	828	851	870
40°	818	849	882
45°	806	847	913
50°	790	854	946
55°	767	869	984
60°	734	888	1036
65°	684	916	1104
70°	605	957	1201
75°	507	1024	1009
80°	404	809	839
85°	320	548	502



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.2	3.0
10°-20°	173.1	8.7
20°-30°	264.5	13.2
30°-40°	323.3	16.2
40°-50°	346.1	17.3
50°-60°	332.0	16.6
60°-70°	280.3	14.0
70°-80°	179.1	9.0
80°-90°	42.4	2.1
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°	497.8	24.9
0°-40°	821.1	41.0
0°-60°	1499.2	74.9
0°-90°	2001.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2001.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	634	634	634	634	634	
5°	635	631	633	632	631	60
15°	612	610	614	616	616	173
25°	568	567	576	578	579	262
35°	504	508	518	525	530	315
45°	424	430	445	466	480	327
55°	327	338	370	404	420	292
65°	215	235	288	328	347	212
75°	98	139	197	201	194	105
85°	21	34	36	34	32	25
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	634.3	634.3	634.3	634.3	634.3
2.5°	637.3	633.3	634.3	634.3	632.4
5°	635.3	631.4	633.3	632.4	631.4
7.5°	631.4	628.4	630.4	630.4	629.4
10°	626.5	623.5	625.5	626.5	626.5
12.5°	619.6	617.6	620.5	620.5	621.5
15°	611.7	609.7	613.6	615.6	615.6
17.5°	602.8	601.8	606.8	607.7	608.7
20°	593.0	592.0	597.9	597.9	599.9
22.5°	581.1	580.2	588.0	588.0	590.0
25°	568.3	567.4	576.2	578.2	579.2
27.5°	554.5	553.6	562.4	565.4	567.4
30°	538.8	538.8	548.6	552.6	555.5
32.5°	521.1	524.0	532.9	538.8	542.7
35°	504.3	508.3	518.1	525.0	529.9
37.5°	485.6	489.5	500.4	509.2	515.1
40°	465.9	470.8	483.6	493.5	502.3
42.5°	446.2	451.1	464.9	479.7	491.5
45°	423.5	430.4	445.2	465.9	479.7
47.5°	400.9	407.8	426.5	452.1	465.9
50°	377.3	385.1	407.8	437.3	452.1
52.5°	352.6	361.5	390.1	421.6	436.4
55°	327.0	337.9	370.4	403.8	419.6
57.5°	300.4	312.2	350.7	386.1	402.9
60°	272.8	287.6	330.0	367.4	385.1
62.5°	244.3	262.0	309.3	347.7	366.4
65°	214.7	235.4	287.6	328.0	346.7
67.5°	184.2	211.8	265.9	308.3	327.0
70°	153.7	186.2	243.3	286.6	305.3
72.5°	125.1	162.5	220.6	261.0	265.0
75°	97.5	138.9	197.0	200.9	194.0
77.5°	72.9	115.2	162.5	144.8	143.8
80°	52.2	92.6	104.4	107.4	108.3
82.5°	34.5	69.9	68.0	69.9	68.9
85°	20.7	34.5	35.5	34.5	32.5
87.5°	9.8	12.8	9.8	8.9	7.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)