

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: P263794

Luminaire Tested: **24CZ-LD5-35-RDP-UNV-L92765-W2A1-U-6500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P263794
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-LD5-35-RDP-UNV-L92765-W2A1-U-6500K
Description: CRUZE 2x4 TUNABLE WHITE LED TROFFER
WITH RDP LENS
Light Source: (336) 90 CRI LEDS TUNED AT 6500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2321.0 lumens
Efficiency: N/A
Efficacy: 91.8 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

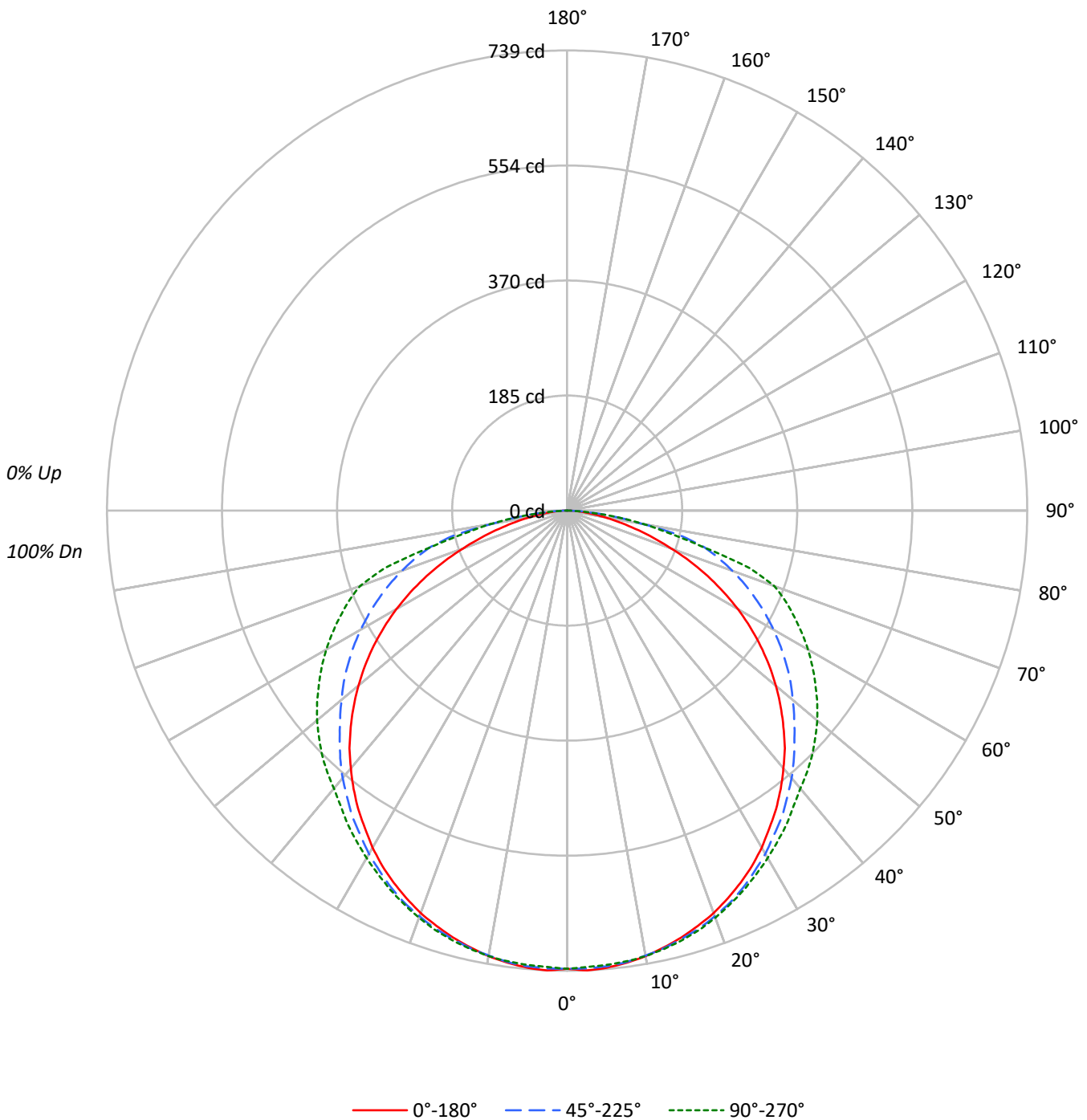
Input Watts (W): 25.296
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	990	990	990
5°	995	992	989
10°	993	991	993
15°	988	992	995
20°	985	993	996
25°	979	992	997
30°	971	989	1001
35°	961	987	1010
40°	949	985	1023
45°	935	983	1059
50°	916	990	1098
55°	890	1008	1142
60°	852	1030	1202
65°	793	1062	1280
70°	701	1110	1393
75°	588	1188	1170
80°	470	938	974
85°	371	634	582



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.8	3.0
10°-20°	200.8	8.7
20°-30°	306.8	13.2
30°-40°	375.1	16.2
40°-50°	401.4	17.3
50°-60°	385.1	16.6
60°-70°	325.1	14.0
70°-80°	207.8	9.0
80°-90°	49.1	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°	577.4	24.9
0°-40°	952.5	41.0
0°-60°	1739.0	74.9
0°-90°	2321.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2321.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	736	736	736	736	736	
5°	737	732	735	734	732	70
15°	710	707	712	714	714	200
25°	659	658	668	671	672	304
35°	585	590	601	609	615	366
45°	491	499	516	540	556	379
55°	379	392	430	468	487	339
65°	249	273	334	380	402	246
75°	113	161	228	233	225	122
85°	24	40	41	40	38	29
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	735.8	735.8	735.8	735.8	735.8
2.5°	739.2	734.6	735.8	735.8	733.5
5°	736.9	732.3	734.6	733.5	732.3
7.5°	732.3	728.9	731.2	731.2	730.1
10°	726.6	723.2	725.5	726.6	726.6
12.5°	718.6	716.4	719.8	719.8	720.9
15°	709.5	707.2	711.8	714.1	714.1
17.5°	699.2	698.1	703.8	704.9	706.1
20°	687.8	686.6	693.5	693.5	695.8
22.5°	674.1	672.9	682.1	682.1	684.4
25°	659.2	658.1	668.4	670.7	671.8
27.5°	643.2	642.1	652.4	655.8	658.1
30°	625.0	625.0	636.4	640.9	644.4
32.5°	604.4	607.8	618.1	625.0	629.5
35°	585.0	589.5	601.0	609.0	614.7
37.5°	563.3	567.8	580.4	590.7	597.5
40°	540.4	546.1	561.0	572.4	582.7
42.5°	517.6	523.3	539.3	556.4	570.1
45°	491.3	499.3	516.4	540.4	556.4
47.5°	465.0	473.0	494.7	524.4	540.4
50°	437.6	446.7	473.0	507.3	524.4
52.5°	409.0	419.3	452.4	489.0	506.1
55°	379.3	391.9	429.6	468.4	486.7
57.5°	348.5	362.2	406.7	447.9	467.3
60°	316.5	333.6	382.7	426.2	446.7
62.5°	283.3	303.9	358.7	403.3	425.0
65°	249.1	273.1	333.6	380.5	402.2
67.5°	213.6	245.6	308.5	357.6	379.3
70°	178.2	215.9	282.2	332.5	354.2
72.5°	145.1	188.5	255.9	302.8	307.3
75°	113.1	161.1	228.5	233.1	225.1
77.5°	84.5	133.7	188.5	167.9	166.8
80°	60.6	107.4	121.1	124.5	125.7
82.5°	40.0	81.1	78.8	81.1	80.0
85°	24.0	40.0	41.1	40.0	37.7
87.5°	11.4	14.9	11.4	10.3	9.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)