

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: P260528

Luminaire Tested: **22CZ-LD5-34-RDP-UNV-L92765-W2A1-U-4000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P260528
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-LD5-34-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: 2237.0 lumens
Efficiency: N/A
Efficacy: 86.2 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

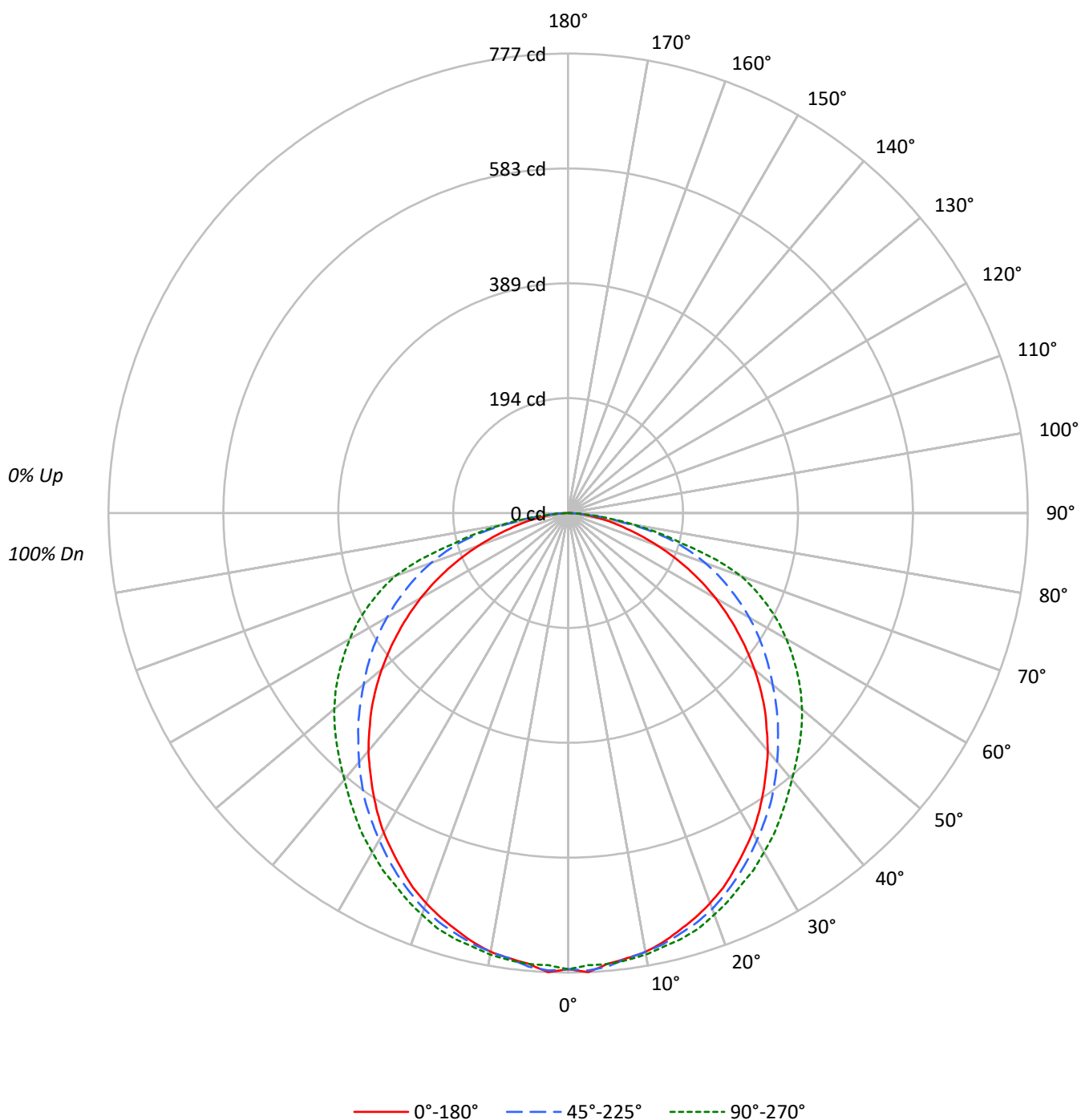
Input Watts (W): 25.947
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2075	2075	2075
5°	2067	2079	2067
10°	2059	2059	2071
15°	2033	2050	2075
20°	2010	2040	2069
25°	1975	2014	2058
30°	1938	1984	2057
35°	1889	1962	2059
40°	1844	1932	2067
45°	1790	1908	2105
50°	1722	1889	2161
55°	1640	1895	2221
60°	1548	1905	2294
65°	1427	1915	2376
70°	1264	1938	2448
75°	1073	1932	2086
80°	891	1554	1737
85°	775	1047	1000



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.9	3.3
10°-20°	207.8	9.3
20°-30°	312.7	14.0
30°-40°	374.7	16.8
40°-50°	390.8	17.5
50°-60°	363.8	16.3
60°-70°	295.4	13.2
70°-80°	178.0	8.0
80°-90°	40.8	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°	593.4	26.5
0°-40°	968.1	43.3
0°-60°	1722.7	77.0
0°-90°	2237.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2237.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	771	771	771	771	771	
5°	765	765	770	771	765	73
15°	730	733	736	740	745	206
25°	665	670	678	687	693	306
35°	575	582	597	615	627	360
45°	470	479	501	534	553	362
55°	350	364	404	448	473	312
65°	224	248	301	348	373	222
75°	103	137	186	198	201	112
85°	25	31	34	32	32	29
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	771.2	771.2	771.2	771.2	771.2
2.5°	777.1	775.7	774.2	769.8	765.3
5°	765.3	765.3	769.8	771.2	765.3
7.5°	759.4	759.4	759.4	765.3	762.4
10°	753.5	753.5	753.5	758.0	758.0
12.5°	743.2	744.7	746.2	747.6	750.6
15°	729.9	732.9	735.8	740.3	744.7
17.5°	716.7	719.6	725.5	729.9	735.8
20°	701.9	704.9	712.2	716.7	722.6
22.5°	685.7	687.2	696.0	701.9	709.3
25°	665.1	669.5	678.3	687.2	693.1
27.5°	644.4	648.8	659.2	671.0	679.8
30°	623.8	628.2	638.5	653.3	662.1
32.5°	600.2	606.1	617.9	635.6	645.9
35°	575.1	582.5	597.2	614.9	626.7
37.5°	550.0	557.4	573.6	595.8	607.5
40°	525.0	532.3	550.0	573.6	588.4
42.5°	497.0	505.8	525.0	553.0	570.7
45°	470.4	479.3	501.4	533.8	553.0
47.5°	440.9	451.2	476.3	513.2	535.3
50°	411.4	423.2	451.2	492.5	516.1
52.5°	380.5	393.7	427.6	470.4	495.5
55°	349.5	364.2	404.0	448.3	473.4
57.5°	318.5	334.7	379.0	424.7	449.8
60°	287.6	305.2	353.9	401.1	426.2
62.5°	256.6	275.8	327.4	374.6	401.1
65°	224.1	247.7	300.8	348.0	373.1
67.5°	191.7	219.7	274.3	320.0	343.6
70°	160.7	191.7	246.3	289.0	311.1
72.5°	131.2	163.7	216.8	253.6	262.5
75°	103.2	137.1	185.8	197.6	200.6
77.5°	79.6	110.6	147.5	150.4	157.8
80°	57.5	84.1	100.3	109.1	112.1
82.5°	39.8	57.5	66.4	67.8	69.3
85°	25.1	31.0	33.9	32.4	32.4
87.5°	13.3	11.8	10.3	7.4	5.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)