

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: P260476

Luminaire Tested: **22CZ-LD5-34-RDP-UNV-L82765-W2A1-U-5000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P260476
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-L82765-W2A1-U-5000K
Description: CRUZE 2x2 TUNABLE WHITE LED TROFFER
WITH RDP LENS
Light Source: (168) 80 CRI LEDS TUNED AT 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2608.0 lumens
Efficiency: N/A
Efficacy: 99.4 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

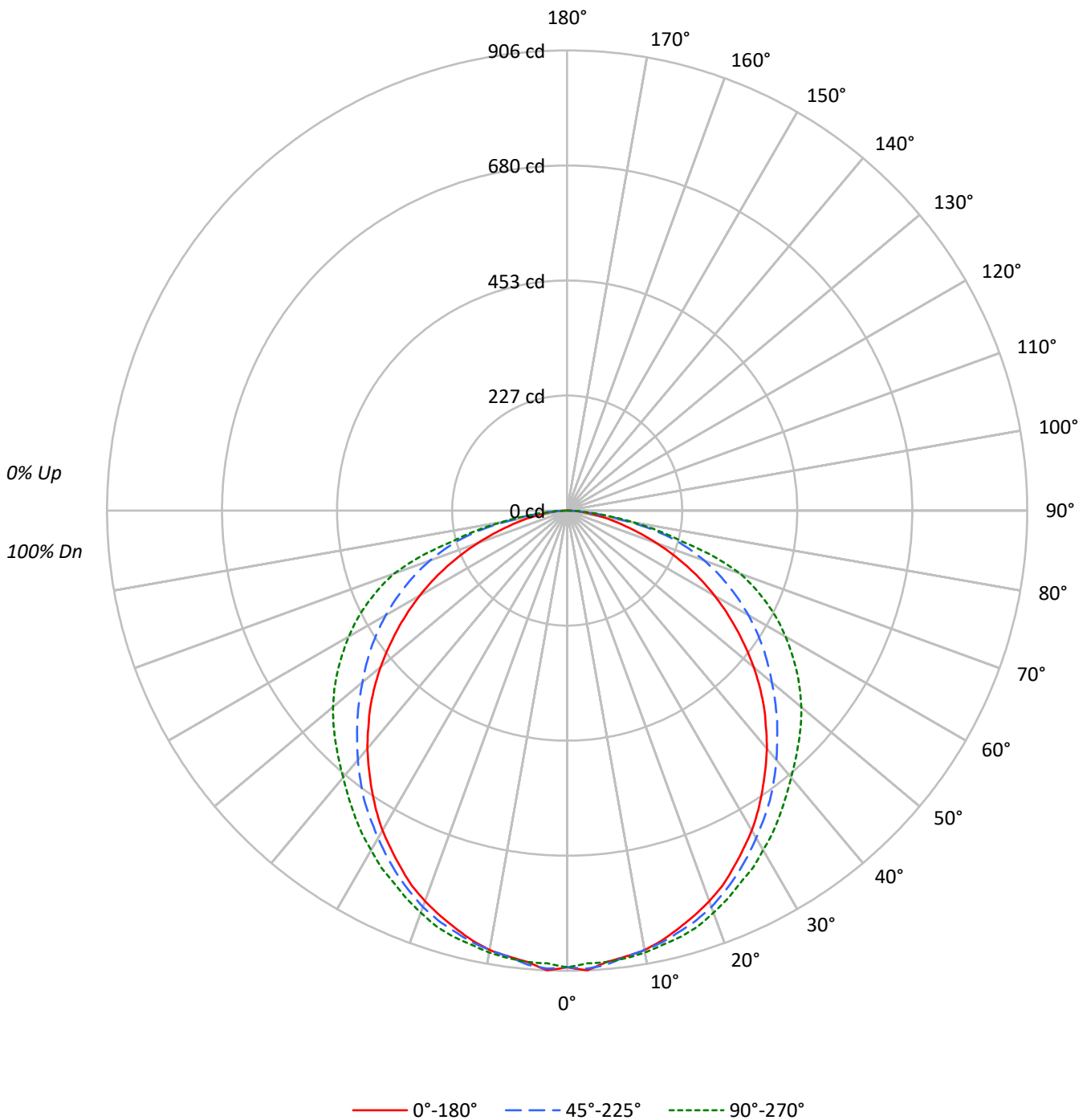
Input Watts (W): 26.226
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	2419	2419	2419
5°	2410	2424	2410
10°	2400	2400	2415
15°	2371	2390	2419
20°	2343	2378	2412
25°	2302	2348	2399
30°	2260	2313	2399
35°	2203	2287	2400
40°	2150	2253	2410
45°	2087	2224	2453
50°	2008	2202	2519
55°	1911	2210	2589
60°	1804	2221	2674
65°	1664	2233	2770
70°	1474	2259	2854
75°	1251	2252	2431
80°	1038	1812	2025
85°	902	1220	1167



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.0	3.3
10°-20°	242.3	9.3
20°-30°	364.6	14.0
30°-40°	436.9	16.8
40°-50°	455.6	17.5
50°-60°	424.2	16.3
60°-70°	344.4	13.2
70°-80°	207.5	8.0
80°-90°	47.6	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°	691.8	26.5
0°-40°	1128.7	43.3
0°-60°	2008.4	77.0
0°-90°	2608.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2608.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	899	899	899	899	899	
5°	892	892	897	899	892	85
15°	851	854	858	863	868	240
25°	775	780	791	801	808	357
35°	670	679	696	717	731	420
45°	548	559	584	622	645	422
55°	407	425	471	523	552	364
65°	261	289	351	406	435	258
75°	120	160	217	230	234	130
85°	29	36	40	38	38	34
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	899.1	899.1	899.1	899.1	899.1
2.5°	906.0	904.3	902.6	897.4	892.3
5°	892.3	892.3	897.4	899.1	892.3
7.5°	885.4	885.4	885.4	892.3	888.8
10°	878.5	878.5	878.5	883.7	883.7
12.5°	866.5	868.2	869.9	871.6	875.1
15°	851.0	854.4	857.9	863.0	868.2
17.5°	835.5	839.0	845.8	851.0	857.9
20°	818.3	821.8	830.4	835.5	842.4
22.5°	799.4	801.1	811.5	818.3	826.9
25°	775.4	780.5	790.8	801.1	808.0
27.5°	751.3	756.4	768.5	782.2	792.6
30°	727.2	732.4	744.4	761.6	771.9
32.5°	699.7	706.6	720.3	741.0	753.0
35°	670.5	679.1	696.3	716.9	730.7
37.5°	641.3	649.9	668.8	694.6	708.3
40°	612.0	620.6	641.3	668.8	686.0
42.5°	579.4	589.7	612.0	644.7	665.3
45°	548.4	558.7	584.5	622.3	644.7
47.5°	514.0	526.1	555.3	598.3	624.1
50°	479.7	493.4	526.1	574.2	601.7
52.5°	443.6	459.0	498.6	548.4	577.7
55°	407.4	424.6	471.1	522.6	551.9
57.5°	371.3	390.3	441.8	495.1	524.4
60°	335.2	355.9	412.6	467.6	496.8
62.5°	299.1	321.5	381.7	436.7	467.6
65°	261.3	288.8	350.7	405.7	435.0
67.5°	223.5	256.2	319.8	373.1	400.6
70°	187.4	223.5	287.1	337.0	362.8
72.5°	153.0	190.8	252.7	295.7	306.0
75°	120.3	159.9	216.6	230.4	233.8
77.5°	92.8	128.9	171.9	175.4	184.0
80°	67.0	98.0	116.9	127.2	130.7
82.5°	46.4	67.0	77.4	79.1	80.8
85°	29.2	36.1	39.5	37.8	37.8
87.5°	15.5	13.8	12.0	8.6	6.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)