

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: P260479

Luminaire Tested: **22CZ-LD5-34-RDP-UNV-L82765-W2A1-U-6500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P260479
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-6500K
Description: CRUZE 2x2 TUNABLE WHITE LED TROFFER
WITH RDP LENS
Light Source: (168) 80 CRI LEDS TUNED AT 6500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2647.0 lumens
Efficiency: N/A
Efficacy: 98.8 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

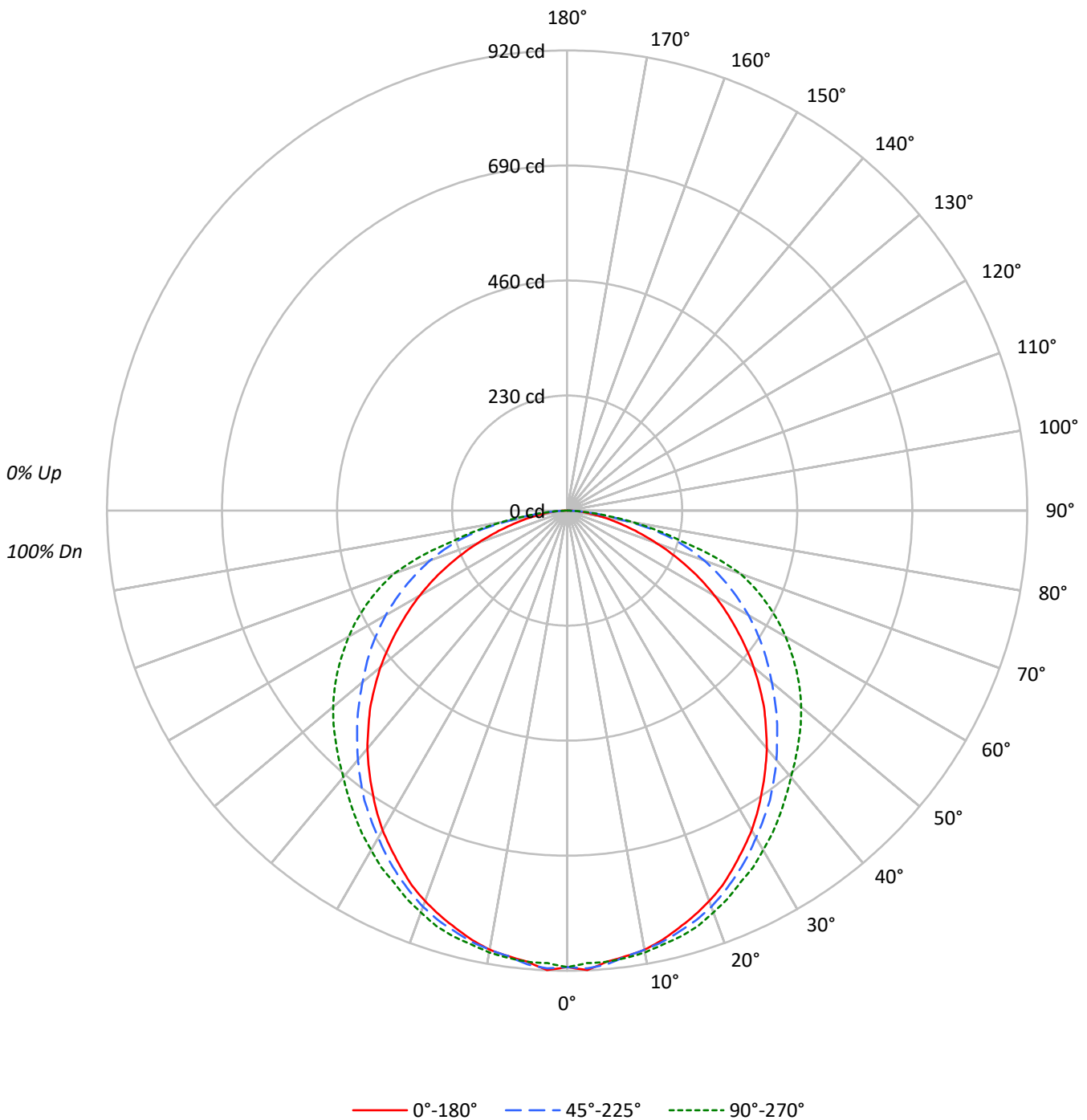
Input Watts (W): 26.784
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	2456	2456	2456
5°	2446	2460	2446
10°	2436	2436	2451
15°	2406	2426	2455
20°	2379	2414	2448
25°	2337	2383	2435
30°	2293	2348	2435
35°	2235	2322	2436
40°	2182	2286	2446
45°	2118	2258	2490
50°	2038	2235	2557
55°	1940	2243	2628
60°	1831	2254	2714
65°	1689	2267	2811
70°	1496	2293	2897
75°	1269	2286	2467
80°	1055	1839	2055
85°	917	1238	1186



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.2	3.3
10°-20°	245.9	9.3
20°-30°	370.0	14.0
30°-40°	443.4	16.8
40°-50°	462.4	17.5
50°-60°	430.5	16.3
60°-70°	349.6	13.2
70°-80°	210.7	8.0
80°-90°	48.3	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°	702.2	26.5
0°-40°	1145.6	43.3
0°-60°	2038.5	77.0
0°-90°	2647.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2647.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	913	913	913	913	913	
5°	906	906	911	913	906	86
15°	864	867	871	876	881	244
25°	787	792	803	813	820	363
35°	680	689	707	728	742	426
45°	557	567	593	632	654	428
55°	414	431	478	530	560	370
65°	265	293	356	412	442	262
75°	122	162	220	234	237	132
85°	30	37	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°	912.6	912.6	912.6	912.6	912.6
2.5°	919.6	917.8	916.1	910.8	905.6
5°	905.6	905.6	910.8	912.6	905.6
7.5°	898.6	898.6	898.6	905.6	902.1
10°	891.6	891.6	891.6	896.9	896.9
12.5°	879.4	881.2	882.9	884.7	888.2
15°	863.7	867.2	870.7	875.9	881.2
17.5°	848.0	851.5	858.5	863.7	870.7
20°	830.6	834.1	842.8	848.0	855.0
22.5°	811.4	813.1	823.6	830.6	839.3
25°	787.0	792.2	802.7	813.1	820.1
27.5°	762.5	767.8	780.0	793.9	804.4
30°	738.1	743.3	755.5	773.0	783.5
32.5°	710.2	717.2	731.1	752.1	764.3
35°	680.5	689.2	706.7	727.6	741.6
37.5°	650.9	659.6	678.8	704.9	718.9
40°	621.2	629.9	650.9	678.8	696.2
42.5°	588.0	598.5	621.2	654.3	675.3
45°	556.6	567.1	593.3	631.7	654.3
47.5°	521.7	533.9	563.6	607.2	633.4
50°	486.8	500.8	533.9	582.8	610.7
52.5°	450.2	465.9	506.0	556.6	586.3
55°	413.5	431.0	478.1	530.5	560.1
57.5°	376.9	396.1	448.4	502.5	532.2
60°	340.3	361.2	418.8	474.6	504.3
62.5°	303.6	326.3	387.4	443.2	474.6
65°	265.2	293.1	356.0	411.8	441.5
67.5°	226.8	260.0	324.6	378.6	406.6
70°	190.2	226.8	291.4	342.0	368.2
72.5°	155.3	193.7	256.5	300.1	310.6
75°	122.1	162.3	219.9	233.8	237.3
77.5°	94.2	130.9	174.5	178.0	186.7
80°	68.1	99.5	118.7	129.1	132.6
82.5°	47.1	68.1	78.5	80.3	82.0
85°	29.7	36.6	40.1	38.4	38.4
87.5°	15.7	14.0	12.2	8.7	7.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)