

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: P260534

Luminaire Tested: **22CZ-LD5-39-RDP-UNV-L92765-W2A1-U-2700K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P260534
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-LD5-39-RDP-UNV-L92765-W2A1-U-2700K
Description: CRUZE 2x2 TUNABLE WHITE LED TROFFER
WITH RDP LENS
Light Source: (168) 90 CRI LEDS TUNED AT 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2274.0 lumens
Efficiency: N/A
Efficacy: 75.7 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

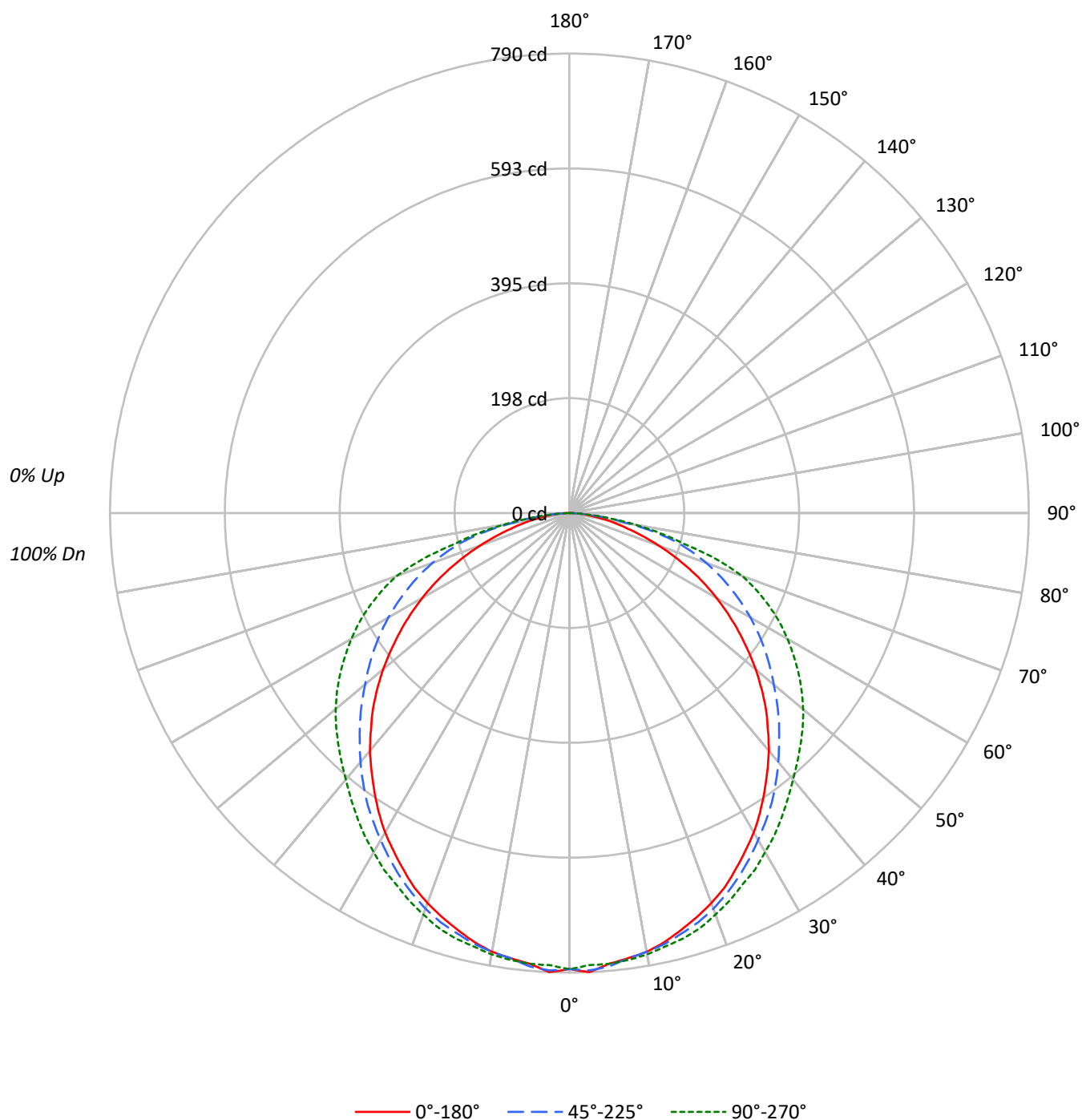
Input Watts (W): 30.039
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	2110	2110	2110
5°	2102	2114	2102
10°	2093	2093	2105
15°	2067	2084	2109
20°	2043	2073	2103
25°	2007	2048	2092
30°	1970	2017	2092
35°	1920	1994	2093
40°	1875	1964	2101
45°	1820	1940	2139
50°	1751	1920	2197
55°	1667	1927	2258
60°	1573	1936	2331
65°	1451	1947	2415
70°	1286	1969	2489
75°	1091	1964	2120
80°	907	1579	1765
85°	787	1065	1019



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.1	3.3
10°-20°	211.3	9.3
20°-30°	317.9	14.0
30°-40°	380.9	16.8
40°-50°	397.2	17.5
50°-60°	369.8	16.3
60°-70°	300.3	13.2
70°-80°	181.0	8.0
80°-90°	41.5	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°	603.2	26.5
0°-40°	984.1	43.3
0°-60°	1751.2	77.0
0°-90°	2274.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2274.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	784	784	784	784	784	
5°	778	778	782	784	778	74
15°	742	745	748	752	757	209
25°	676	681	690	698	704	312
35°	585	592	607	625	637	366
45°	478	487	510	543	562	368
55°	355	370	411	456	481	318
65°	228	252	306	354	379	225
75°	105	139	189	201	204	113
85°	26	32	34	33	33	30
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	784.0	784.0	784.0	784.0	784.0
2.5°	790.0	788.5	787.0	782.5	778.0
5°	778.0	778.0	782.5	784.0	778.0
7.5°	772.0	772.0	772.0	778.0	775.0
10°	766.0	766.0	766.0	770.5	770.5
12.5°	755.5	757.0	758.5	760.0	763.0
15°	742.0	745.0	748.0	752.5	757.0
17.5°	728.5	731.5	737.5	742.0	748.0
20°	713.5	716.5	724.0	728.5	734.5
22.5°	697.0	698.5	707.5	713.5	721.0
25°	676.1	680.6	689.6	698.5	704.5
27.5°	655.1	659.6	670.1	682.1	691.1
30°	634.1	638.6	649.1	664.1	673.1
32.5°	610.1	616.1	628.1	646.1	656.6
35°	584.6	592.1	607.1	625.1	637.1
37.5°	559.1	566.6	583.1	605.6	617.6
40°	533.7	541.1	559.1	583.1	598.1
42.5°	505.2	514.2	533.7	562.1	580.1
45°	478.2	487.2	509.7	542.6	562.1
47.5°	448.2	458.7	484.2	521.7	544.1
50°	418.2	430.2	458.7	500.7	524.7
52.5°	386.7	400.2	434.7	478.2	503.7
55°	355.3	370.3	410.7	455.7	481.2
57.5°	323.8	340.3	385.2	431.7	457.2
60°	292.3	310.3	359.8	407.7	433.2
62.5°	260.8	280.3	332.8	380.8	407.7
65°	227.9	251.8	305.8	353.8	379.3
67.5°	194.9	223.4	278.8	325.3	349.3
70°	163.4	194.9	250.3	293.8	316.3
72.5°	133.4	166.4	220.4	257.8	266.8
75°	104.9	139.4	188.9	200.9	203.9
77.5°	80.9	112.4	149.9	152.9	160.4
80°	58.5	85.4	101.9	110.9	113.9
82.5°	40.5	58.5	67.5	69.0	70.5
85°	25.5	31.5	34.5	33.0	33.0
87.5°	13.5	12.0	10.5	7.5	6.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)