

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: P260524

Luminaire Tested: **22CZ-LD5-29-RDP-UNV-L92765-W2A1-U-6500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P260524
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-LD5-29-RDP-UNV-L92765-W2A1-U-6500K
Description: CRUZE 2x2 TUNABLE WHITE LED TROFFER
WITH RDP LENS
Light Source: (168) 90 CRI LEDS TUNED AT 6500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1994.0 lumens
Efficiency: N/A
Efficacy: 91.6 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

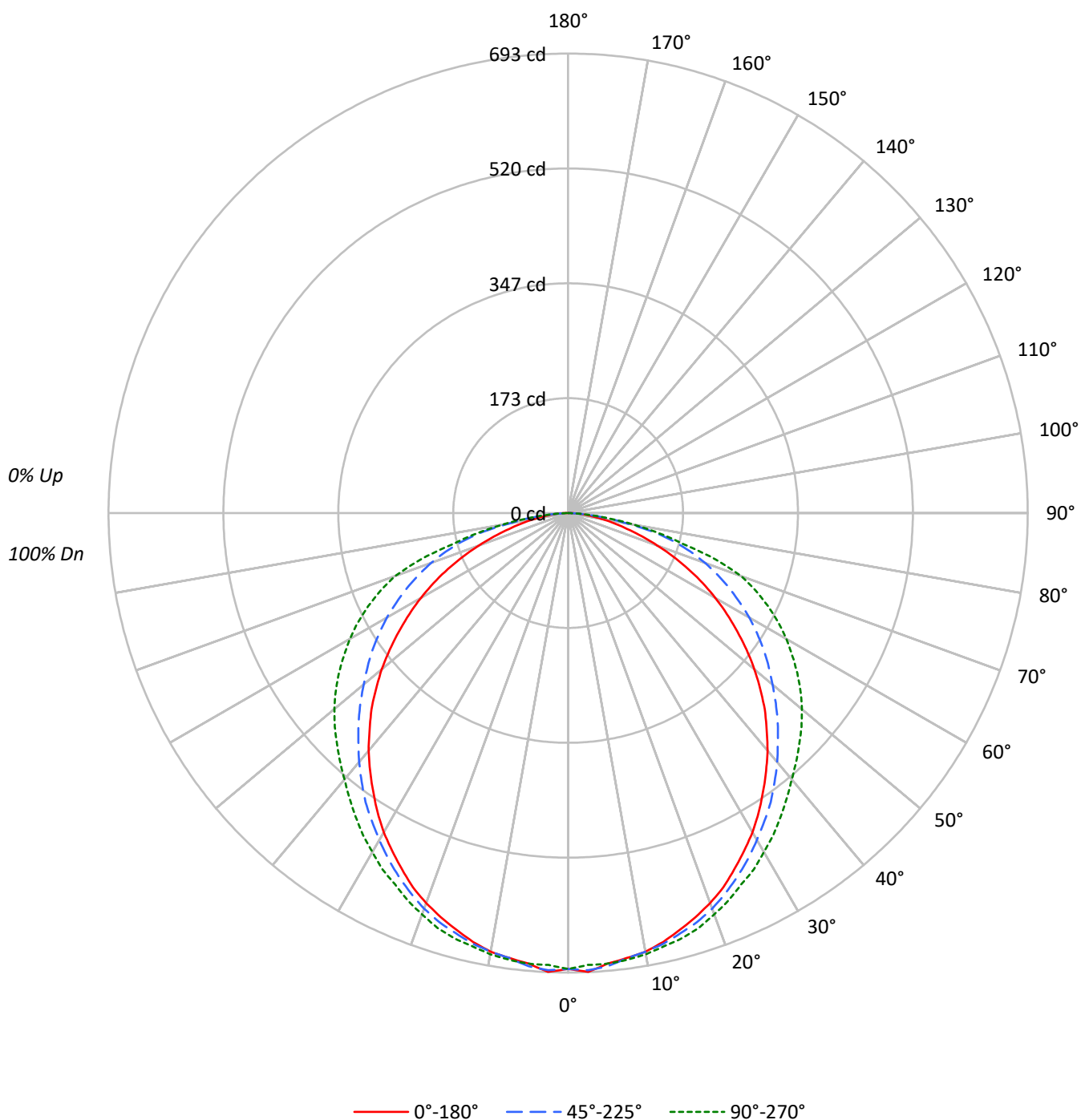
Input Watts (W): 21.762
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P260524

CATALOG NUMBER: 22CZ-LD5-29-RDP-UNV-L92765-W2A1-U-6500K

Luminous Intensity Polar Plot





TEST NUMBER: P260524

CATALOG NUMBER: 22CZ-LD5-29-RDP-UNV-L92765-W2A1-U-6500K

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°	1850	1850	1850
5°	1843	1853	1843
10°	1835	1835	1846
15°	1813	1827	1849
20°	1792	1818	1844
25°	1760	1795	1834
30°	1728	1769	1834
35°	1684	1749	1835
40°	1644	1722	1842
45°	1596	1701	1876
50°	1535	1684	1926
55°	1461	1690	1979
60°	1379	1698	2045
65°	1272	1707	2118
70°	1127	1727	2182
75°	957	1722	1859
80°	795	1385	1548
85°	689	932	892



TEST NUMBER: P260524

CATALOG NUMBER: 22CZ-LD5-29-RDP-UNV-L92765-W2A1-U-6500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.0	3.3
10°-20°	185.3	9.3
20°-30°	278.7	14.0
30°-40°	334.0	16.8
40°-50°	348.3	17.5
50°-60°	324.3	16.3
60°-70°	263.3	13.2
70°-80°	158.7	8.0
80°-90°	36.4	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°	529.0	26.5
0°-40°	863.0	43.3
0°-60°	1535.6	77.0
0°-90°	1994.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1994.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	688	688	688	688	688	
5°	682	682	686	688	682	65
15°	651	653	656	660	664	184
25°	593	597	605	612	618	273
35°	513	519	532	548	559	321
45°	419	427	447	476	493	323
55°	312	325	360	400	422	279
65°	200	221	268	310	333	198
75°	92	122	166	176	179	99
85°	22	28	30	29	29	26
90°	0	0	0	0	0	



TEST NUMBER: P260524

CATALOG NUMBER: 22CZ-LD5-29-RDP-UNV-L92765-W2A1-U-6500K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	687.5	687.5	687.5	687.5	687.5
2.5°	692.7	691.4	690.1	686.1	682.2
5°	682.2	682.2	686.1	687.5	682.2
7.5°	676.9	676.9	676.9	682.2	679.6
10°	671.7	671.7	671.7	675.6	675.6
12.5°	662.5	663.8	665.1	666.4	669.1
15°	650.7	653.3	655.9	659.9	663.8
17.5°	638.8	641.5	646.7	650.7	655.9
20°	625.7	628.3	634.9	638.8	644.1
22.5°	611.2	612.5	620.4	625.7	632.2
25°	592.8	596.8	604.6	612.5	617.8
27.5°	574.4	578.4	587.6	598.1	606.0
30°	556.0	560.0	569.2	582.3	590.2
32.5°	535.0	540.2	550.8	566.5	575.7
35°	512.6	519.2	532.4	548.1	558.6
37.5°	490.3	496.9	511.3	531.0	541.6
40°	467.9	474.5	490.3	511.3	524.5
42.5°	443.0	450.9	467.9	492.9	508.7
45°	419.3	427.2	446.9	475.8	492.9
47.5°	393.0	402.2	424.6	457.4	477.1
50°	366.7	377.2	402.2	439.0	460.1
52.5°	339.1	351.0	381.2	419.3	441.7
55°	311.5	324.7	360.2	399.6	421.9
57.5°	283.9	298.4	337.8	378.6	400.9
60°	256.3	272.1	315.5	357.5	379.9
62.5°	228.7	245.8	291.8	333.9	357.5
65°	199.8	220.8	268.1	310.2	332.6
67.5°	170.9	195.9	244.5	285.2	306.3
70°	143.3	170.9	219.5	257.6	277.3
72.5°	117.0	145.9	193.2	226.1	234.0
75°	92.0	122.2	165.6	176.1	178.8
77.5°	71.0	98.6	131.4	134.1	140.6
80°	51.3	74.9	89.4	97.3	99.9
82.5°	35.5	51.3	59.2	60.5	61.8
85°	22.3	27.6	30.2	28.9	28.9
87.5°	11.8	10.5	9.2	6.6	5.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)