

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: P260470

Luminaire Tested: **22CZ-LD5-29-RDP-UNV-L82765-W2A1-U-6500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P260470
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-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: 2196.0 lumens
Efficiency: N/A
Efficacy: 100.9 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

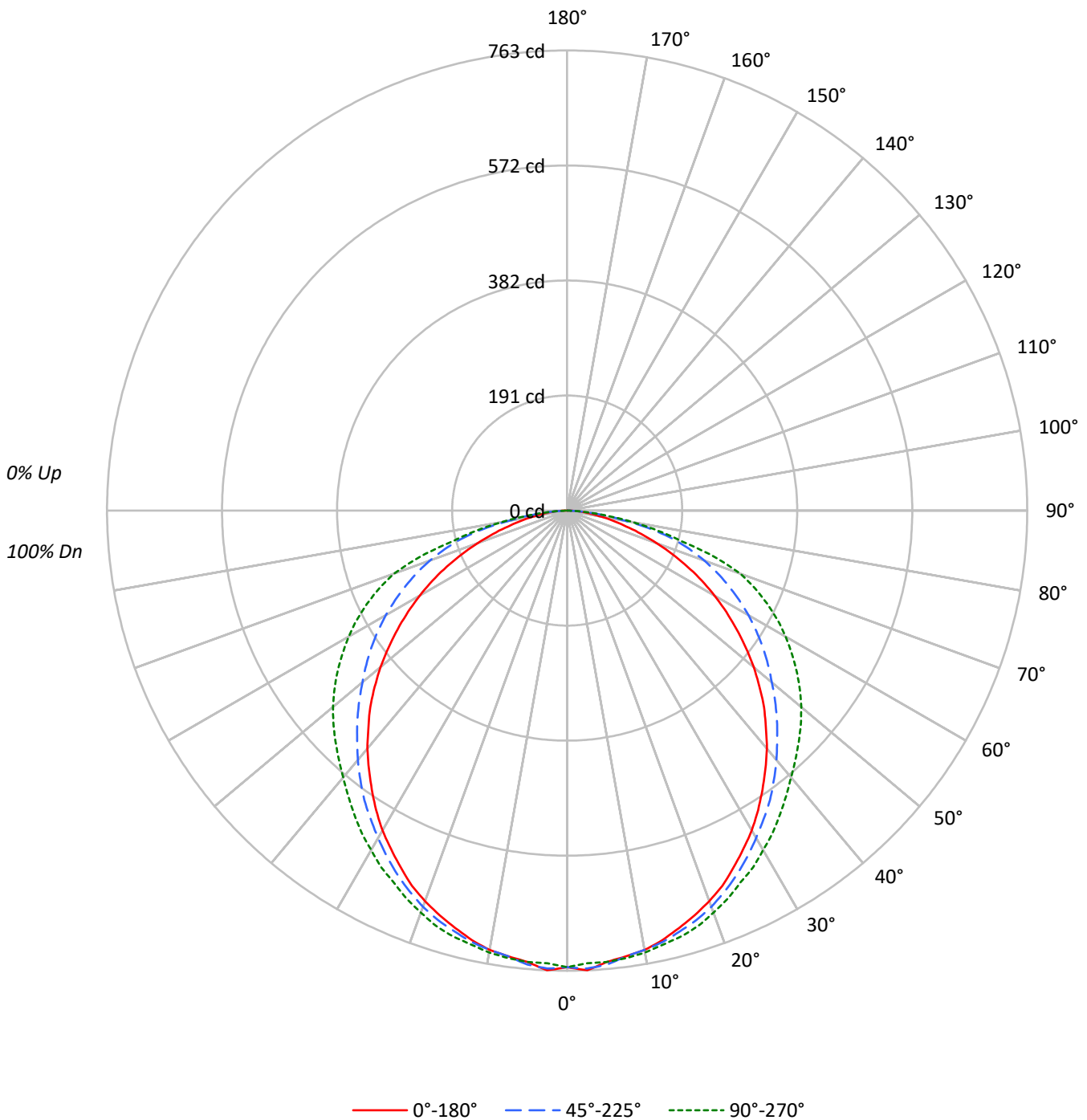
Input Watts (W): 21.762
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2037	2037	2037
5°	2029	2041	2029
10°	2021	2021	2033
15°	1996	2013	2036
20°	1973	2002	2031
25°	1939	1977	2020
30°	1903	1948	2020
35°	1855	1926	2021
40°	1810	1897	2029
45°	1757	1873	2066
50°	1691	1855	2121
55°	1610	1861	2180
60°	1519	1870	2252
65°	1401	1880	2332
70°	1242	1902	2403
75°	1053	1896	2047
80°	876	1525	1705
85°	760	1028	982



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.5	3.3
10°-20°	204.0	9.3
20°-30°	307.0	14.0
30°-40°	367.9	16.8
40°-50°	383.6	17.5
50°-60°	357.2	16.3
60°-70°	290.0	13.2
70°-80°	174.8	8.0
80°-90°	40.1	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°	582.5	26.5
0°-40°	950.4	43.3
0°-60°	1691.2	77.0
0°-90°	2196.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2196.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	757	757	757	757	757	
5°	751	751	756	757	751	71
15°	717	720	722	727	731	202
25°	653	657	666	675	680	301
35°	565	572	586	604	615	353
45°	462	470	492	524	543	355
55°	343	358	397	440	465	307
65°	220	243	295	342	366	218
75°	101	135	182	194	197	109
85°	25	30	33	32	32	29
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	757.1	757.1	757.1	757.1	757.1
2.5°	762.9	761.4	760.0	755.7	751.3
5°	751.3	751.3	755.7	757.1	751.3
7.5°	745.5	745.5	745.5	751.3	748.4
10°	739.7	739.7	739.7	744.1	744.1
12.5°	729.6	731.0	732.5	733.9	736.8
15°	716.6	719.5	722.4	726.7	731.0
17.5°	703.5	706.4	712.2	716.6	722.4
20°	689.1	692.0	699.2	703.5	709.3
22.5°	673.1	674.6	683.3	689.1	696.3
25°	652.9	657.2	665.9	674.6	680.4
27.5°	632.6	636.9	647.1	658.7	667.3
30°	612.3	616.7	626.8	641.3	650.0
32.5°	589.2	595.0	606.5	623.9	634.1
35°	564.6	571.8	586.3	603.7	615.2
37.5°	540.0	547.2	563.1	584.8	596.4
40°	515.3	522.6	540.0	563.1	577.6
42.5°	487.8	496.5	515.3	542.9	560.2
45°	461.8	470.5	492.2	524.0	542.9
47.5°	432.8	443.0	467.6	503.8	525.5
50°	403.9	415.5	443.0	483.5	506.7
52.5°	373.5	386.5	419.8	461.8	486.4
55°	343.1	357.6	396.6	440.1	464.7
57.5°	312.7	328.6	372.0	416.9	441.5
60°	282.3	299.7	347.4	393.7	418.4
62.5°	251.9	270.7	321.4	367.7	393.7
65°	220.0	243.2	295.3	341.6	366.2
67.5°	188.2	215.7	269.3	314.1	337.3
70°	157.8	188.2	241.8	283.7	305.4
72.5°	128.8	160.7	212.8	249.0	257.7
75°	101.3	134.6	182.4	194.0	196.9
77.5°	78.2	108.6	144.8	147.7	154.9
80°	56.5	82.5	98.4	107.1	110.0
82.5°	39.1	56.5	65.1	66.6	68.0
85°	24.6	30.4	33.3	31.8	31.8
87.5°	13.0	11.6	10.1	7.2	5.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)