

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: P260377

Luminaire Tested: **22CZ-LD5-44-SQP-UNV-L92765-W2A1-U-3500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P260377
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P25713)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22CZ-LD5-44-SQP-UNV-L92765-W2A1-U-3500K
Description: CRUZE 2x2 TUNABLE WHITE LED TROFFER
WITH SQP LENS
Light Source: (168) 90 CRI LEDS TUNED AT 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2366.0 lumens
Efficiency: N/A
Efficacy: 68.2 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.31 / 1.41
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

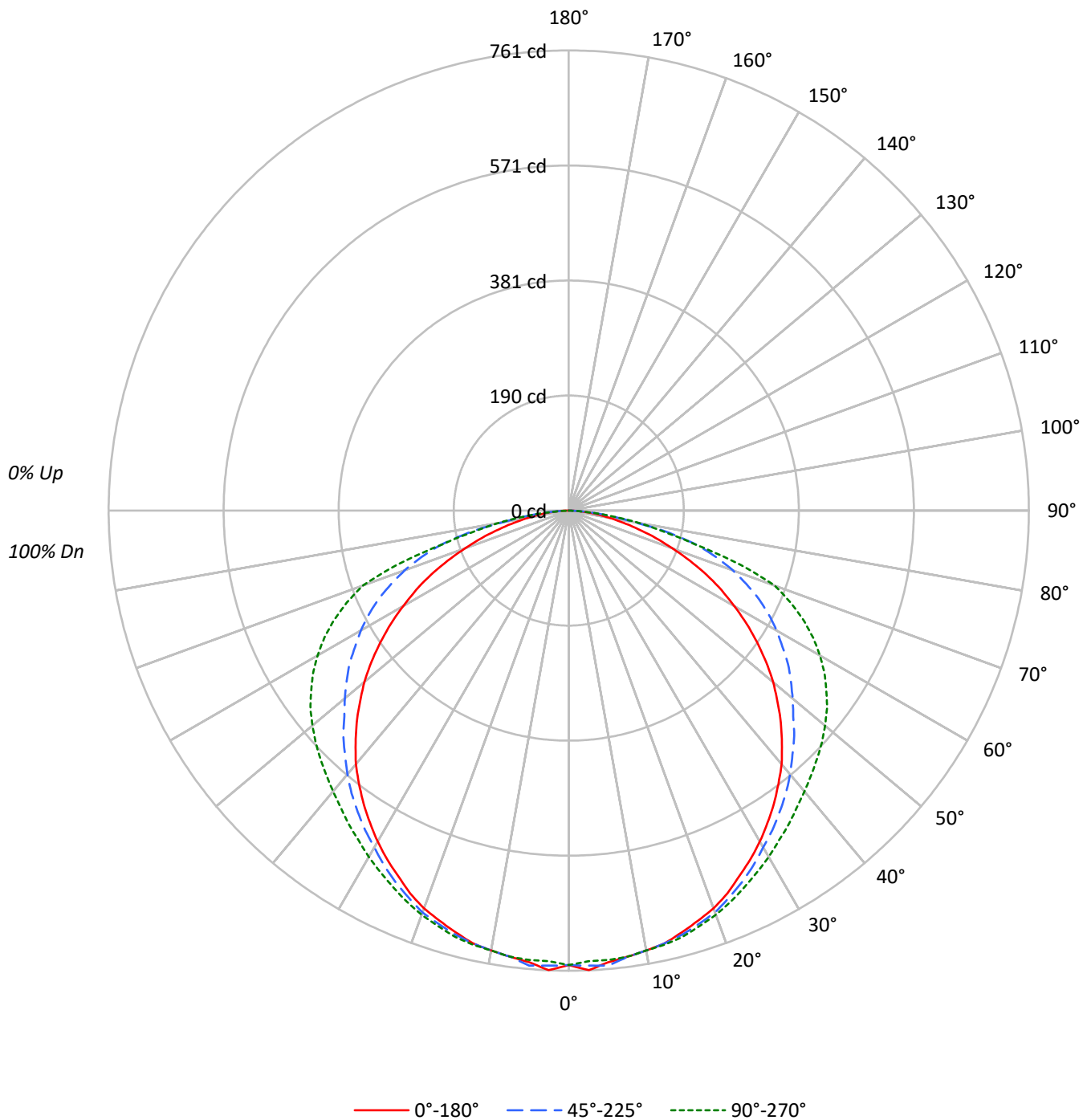
Input Watts (W): 34.689
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	108	103	99	95	105	101	97	93	97	93	90		93	90	87		89
2	98	89	82	76	95	87	81	75	84	78	73		80	76	71		77
3	89	78	69	62	86	76	68	62	73	66	61		70	64	59		68
4	81	68	59	52	79	67	58	52	64	57	51		62	56	50		60
5	74	61	52	45	72	60	51	44	58	50	44		56	49	43		54
6	68	55	45	39	66	54	45	39	52	44	38		50	43	38		48
7	63	49	40	34	62	49	40	34	47	39	34		45	39	33		44
8	59	45	36	30	57	44	36	30	43	35	30		42	35	30		40
9	55	41	33	27	54	41	33	27	39	32	27		38	32	27		37
10	51	38	30	24	50	37	30	24	36	29	24		35	29	24		35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2022	2022	2022
5°	2025	2040	2015
10°	2018	2018	2018
15°	2012	2022	2032
20°	2005	2026	2036
25°	1980	2013	2040
30°	1964	1998	2055
35°	1943	1998	2082
40°	1924	2001	2130
45°	1888	2007	2210
50°	1846	2023	2316
55°	1784	2077	2440
60°	1701	2136	2581
65°	1603	2211	2726
70°	1431	2270	2848
75°	1241	2274	2254
80°	1054	1680	1822
85°	908	1133	1022



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.4	3.0
10°-20°	204.9	8.7
20°-30°	312.3	13.2
30°-40°	382.1	16.1
40°-50°	411.1	17.4
50°-60°	398.2	16.8
60°-70°	337.3	14.3
70°-80°	203.9	8.6
80°-90°	44.8	1.9
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°	588.5	24.9
0°-40°	970.6	41.0
0°-60°	1779.9	75.2
0°-90°	2366.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2366.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	752	752	752	752	752	
5°	750	750	755	752	746	71
15°	722	724	726	728	730	204
25°	667	671	678	684	687	308
35°	592	595	608	625	634	370
45°	496	505	527	560	581	382
55°	380	397	443	494	520	340
65°	252	279	347	402	428	248
75°	119	162	219	222	217	128
85°	29	35	37	35	33	33
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	751.5	751.5	751.5	751.5	751.5
2.5°	760.7	758.9	753.3	749.7	746.0
5°	749.7	749.7	755.2	751.5	746.0
7.5°	744.2	744.2	744.2	753.3	744.2
10°	738.6	740.5	738.6	746.0	738.6
12.5°	733.1	733.1	733.1	735.0	735.0
15°	722.1	723.9	725.8	727.6	729.5
17.5°	711.1	712.9	716.6	718.4	720.3
20°	700.1	701.9	707.4	707.4	711.1
22.5°	685.4	685.4	692.7	694.5	700.1
25°	667.0	670.7	678.0	683.5	687.2
27.5°	650.4	654.1	661.5	668.8	674.3
30°	632.1	635.7	643.1	654.1	661.5
32.5°	611.9	615.5	626.6	639.4	646.8
35°	591.6	595.3	608.2	624.7	633.9
37.5°	569.6	575.1	589.8	608.2	619.2
40°	547.6	553.1	569.6	589.8	606.3
42.5°	521.8	529.2	547.6	575.1	593.5
45°	496.1	505.3	527.3	560.4	580.6
47.5°	468.5	477.7	503.5	545.7	567.8
50°	441.0	452.0	483.2	529.2	553.1
52.5°	411.6	422.6	463.0	512.6	538.4
55°	380.3	396.9	442.8	494.3	520.0
57.5°	349.1	367.5	418.9	474.1	501.6
60°	316.0	338.1	396.9	452.0	479.6
62.5°	284.8	308.7	373.0	428.1	455.7
65°	251.7	279.3	347.3	402.4	428.1
67.5°	216.8	251.7	317.9	371.2	396.9
70°	181.9	222.3	288.5	338.1	362.0
72.5°	150.7	192.9	255.4	297.7	297.7
75°	119.4	161.7	218.7	222.3	216.8
77.5°	91.9	132.3	170.9	156.2	159.9
80°	68.0	101.1	108.4	113.9	117.6
82.5°	45.9	68.0	69.8	73.5	73.5
85°	29.4	34.9	36.7	34.9	33.1
87.5°	12.9	14.7	11.0	7.3	5.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)