

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: P260361

Luminaire Tested: **22CZ-LD5-34-SQP-UNV-L92765-W2A1-U-4500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P260361
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-LD5-34-SQP-UNV-L92765-W2A1-U-4500K
Description: CRUZE 2x2 TUNABLE WHITE LED TROFFER
WITH SQP LENS
Light Source: (168) 90 CRI LEDS TUNED AT 4500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1949.0 lumens
Efficiency: N/A
Efficacy: 74.6 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

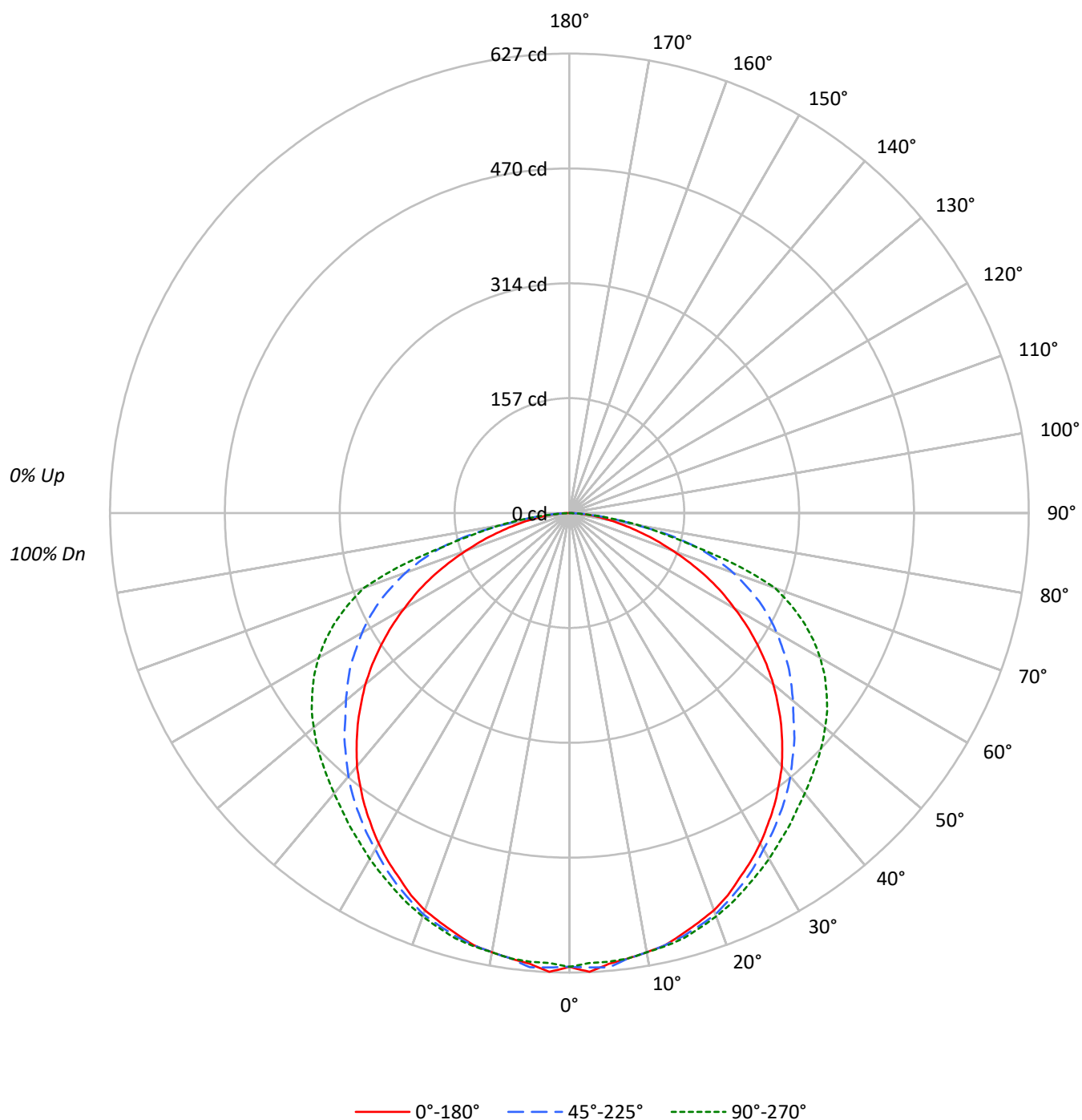
Input Watts (W): 26.133
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					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	103	99	95	105	101	97	93	97	93	90	93	90	87	89	87	85	83			
2	98	89	82	76	95	87	81	75	84	78	73	80	76	71	77	73	70	68			
3	89	78	69	62	86	76	68	62	73	66	61	70	64	59	68	63	58	56			
4	81	68	59	52	79	67	58	52	64	57	51	62	56	50	60	54	50	47			
5	74	61	52	45	72	60	51	44	58	50	44	56	49	43	54	48	43	41			
6	68	55	45	39	66	54	45	39	52	44	38	50	43	38	48	42	37	35			
7	63	49	40	34	62	49	40	34	47	39	34	45	39	33	44	38	33	31			
8	59	45	36	30	57	44	36	30	43	35	30	42	35	30	40	34	29	28			
9	55	41	33	27	54	41	33	27	39	32	27	38	32	27	37	31	27	25			
10	51	38	30	24	50	37	30	24	36	29	24	35	29	24	35	28	24	22			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1666	1666	1666
5°	1668	1680	1660
10°	1663	1663	1663
15°	1657	1666	1674
20°	1651	1669	1678
25°	1631	1658	1681
30°	1618	1646	1693
35°	1601	1646	1715
40°	1584	1648	1755
45°	1555	1653	1820
50°	1521	1667	1907
55°	1470	1711	2009
60°	1401	1759	2126
65°	1321	1822	2246
70°	1179	1869	2346
75°	1023	1873	1857
80°	868	1384	1502
85°	747	936	840



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.8	3.0
10°-20°	168.8	8.7
20°-30°	257.2	13.2
30°-40°	314.7	16.1
40°-50°	338.6	17.4
50°-60°	328.0	16.8
60°-70°	277.9	14.3
70°-80°	168.0	8.6
80°-90°	36.9	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°	484.8	24.9
0°-40°	799.5	41.0
0°-60°	1466.2	75.2
0°-90°	1949.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1949.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	619	619	619	619	619	
5°	618	618	622	619	614	59
15°	595	596	598	599	601	168
25°	549	552	558	563	566	254
35°	487	490	501	515	522	305
45°	409	416	434	462	478	315
55°	313	327	365	407	428	280
65°	207	230	286	332	353	204
75°	98	133	180	183	179	106
85°	24	29	30	29	27	27
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	619.1	619.1	619.1	619.1	619.1
2.5°	626.6	625.1	620.6	617.5	614.5
5°	617.5	617.5	622.1	619.1	614.5
7.5°	613.0	613.0	613.0	620.6	613.0
10°	608.5	610.0	608.5	614.5	608.5
12.5°	603.9	603.9	603.9	605.4	605.4
15°	594.8	596.4	597.9	599.4	600.9
17.5°	585.8	587.3	590.3	591.8	593.3
20°	576.7	578.2	582.7	582.7	585.8
22.5°	564.6	564.6	570.6	572.1	576.7
25°	549.4	552.5	558.5	563.1	566.1
27.5°	535.8	538.8	544.9	550.9	555.5
30°	520.7	523.7	529.8	538.8	544.9
32.5°	504.0	507.0	516.1	526.7	532.8
35°	487.4	490.4	501.0	514.6	522.2
37.5°	469.2	473.8	485.9	501.0	510.1
40°	451.0	455.6	469.2	485.9	499.5
42.5°	429.9	435.9	451.0	473.8	488.9
45°	408.7	416.2	434.4	461.6	478.3
47.5°	386.0	393.5	414.7	449.5	467.7
50°	363.3	372.3	398.1	435.9	455.6
52.5°	339.0	348.1	381.4	422.3	443.5
55°	313.3	326.9	364.8	407.2	428.3
57.5°	287.6	302.7	345.1	390.5	413.2
60°	260.3	278.5	326.9	372.3	395.0
62.5°	234.6	254.3	307.3	352.7	375.4
65°	207.4	230.1	286.1	331.5	352.7
67.5°	178.6	207.4	261.8	305.7	326.9
70°	149.8	183.1	237.6	278.5	298.2
72.5°	124.1	158.9	210.4	245.2	245.2
75°	98.4	133.2	180.1	183.1	178.6
77.5°	75.7	109.0	140.8	128.7	131.7
80°	56.0	83.2	89.3	93.8	96.9
82.5°	37.8	56.0	57.5	60.5	60.5
85°	24.2	28.8	30.3	28.8	27.2
87.5°	10.6	12.1	9.1	6.1	4.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)