

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: P260363

Luminaire Tested: **22CZ-LD5-34-SQP-UNV-L92765-W2A1-U-5500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P260363
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-5500K
Description: CRUZE 2x2 TUNABLE WHITE LED TROFFER
WITH SQP LENS
Light Source: (168) 90 CRI LEDS TUNED AT 5500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2019.0 lumens
Efficiency: N/A
Efficacy: 76.4 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

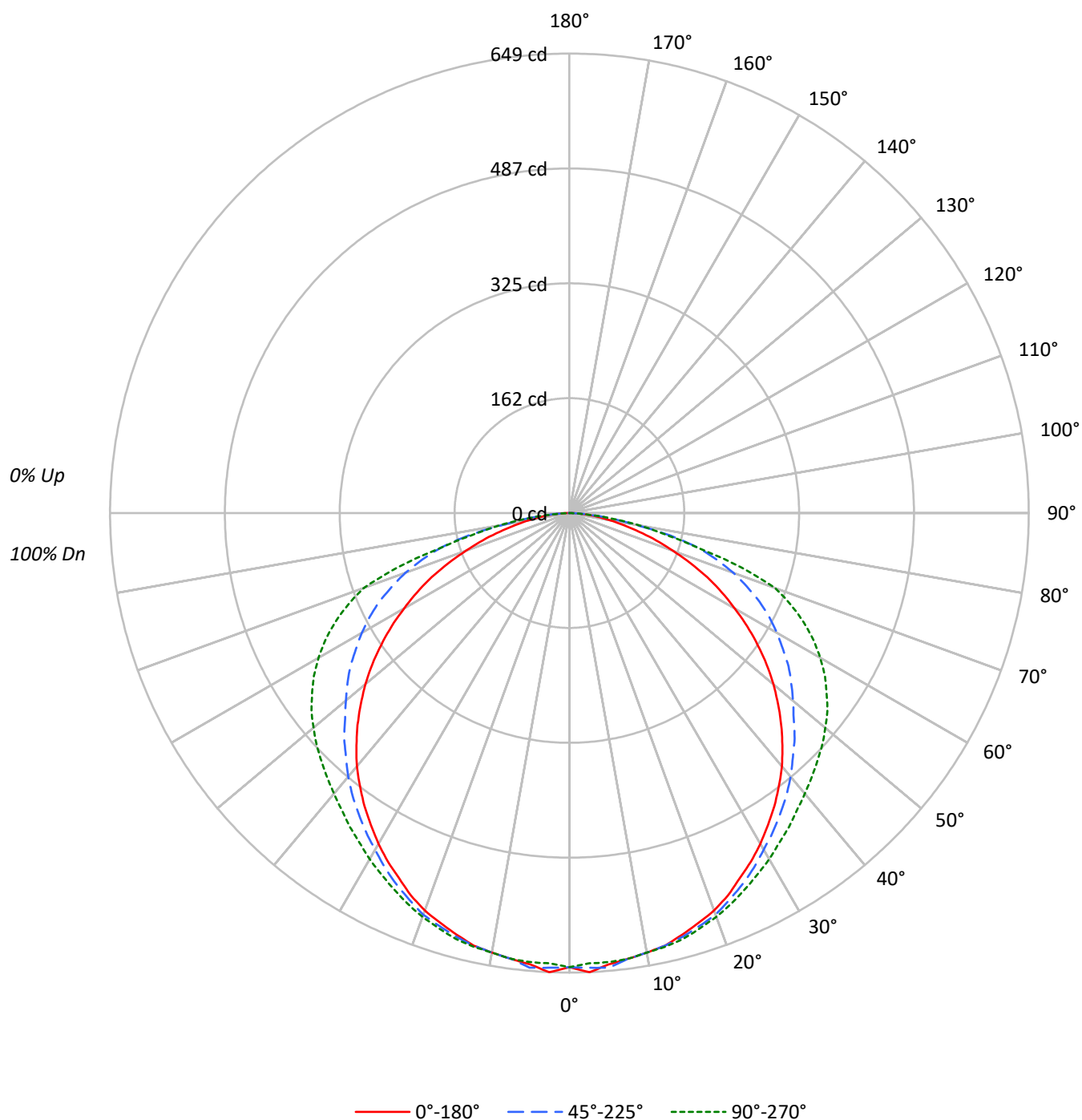
Input Watts (W): 26.412
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1726	1726	1726
5°	1728	1741	1720
10°	1722	1722	1722
15°	1717	1725	1734
20°	1711	1729	1738
25°	1690	1718	1741
30°	1676	1705	1754
35°	1659	1705	1777
40°	1641	1708	1818
45°	1611	1713	1886
50°	1575	1726	1976
55°	1523	1773	2082
60°	1452	1823	2202
65°	1368	1887	2326
70°	1221	1937	2430
75°	1059	1940	1923
80°	899	1433	1554
85°	775	969	871



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.9	3.0
10°-20°	174.9	8.7
20°-30°	266.5	13.2
30°-40°	326.0	16.1
40°-50°	350.8	17.4
50°-60°	339.8	16.8
60°-70°	287.9	14.3
70°-80°	174.0	8.6
80°-90°	38.2	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°	502.2	24.9
0°-40°	828.3	41.0
0°-60°	1518.9	75.2
0°-90°	2019.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2019.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	641	641	641	641	641	
5°	640	640	644	641	637	61
15°	616	618	619	621	622	174
25°	569	572	579	583	586	263
35°	505	508	519	533	541	316
45°	423	431	450	478	496	326
55°	325	339	378	422	444	290
65°	215	238	296	343	365	212
75°	102	138	187	190	185	110
85°	25	30	31	30	28	28
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	641.3	641.3	641.3	641.3	641.3
2.5°	649.1	647.6	642.9	639.7	636.6
5°	639.7	639.7	644.4	641.3	636.6
7.5°	635.0	635.0	635.0	642.9	635.0
10°	630.3	631.9	630.3	636.6	630.3
12.5°	625.6	625.6	625.6	627.2	627.2
15°	616.2	617.8	619.3	620.9	622.5
17.5°	606.8	608.4	611.5	613.1	614.6
20°	597.4	599.0	603.7	603.7	606.8
22.5°	584.8	584.8	591.1	592.7	597.4
25°	569.2	572.3	578.6	583.3	586.4
27.5°	555.1	558.2	564.5	570.7	575.4
30°	539.4	542.5	548.8	558.2	564.5
32.5°	522.1	525.3	534.7	545.6	551.9
35°	504.9	508.0	519.0	533.1	540.9
37.5°	486.1	490.8	503.3	519.0	528.4
40°	467.2	472.0	486.1	503.3	517.4
42.5°	445.3	451.6	467.2	490.8	506.4
45°	423.3	431.2	450.0	478.2	495.5
47.5°	399.8	407.7	429.6	465.7	484.5
50°	376.3	385.7	412.4	451.6	472.0
52.5°	351.2	360.6	395.1	437.5	459.4
55°	324.6	338.7	377.9	421.8	443.7
57.5°	297.9	313.6	357.5	404.5	428.0
60°	269.7	288.5	338.7	385.7	409.2
62.5°	243.0	263.4	318.3	365.3	388.8
65°	214.8	238.3	296.3	343.4	365.3
67.5°	185.0	214.8	271.3	316.7	338.7
70°	155.2	189.7	246.2	288.5	308.9
72.5°	128.6	164.6	217.9	254.0	254.0
75°	101.9	138.0	186.6	189.7	185.0
77.5°	78.4	112.9	145.8	133.3	136.4
80°	58.0	86.2	92.5	97.2	100.3
82.5°	39.2	58.0	59.6	62.7	62.7
85°	25.1	29.8	31.4	29.8	28.2
87.5°	11.0	12.5	9.4	6.3	4.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)