

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: METALUX

Report Number: P798010

Luminaire Tested: 14CZSB-SCT3-UNV-HIGH-3500K

Issue Date: 3/16/2024

Test Information

Test Method: LM-79-2019
Report Number: P798010
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2307-102-45)
Test Lab: INNOVATION CENTER
Issue Date: 3/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14CZSB-SCT3-UNV-HIGH-3500K
Description: Cruze SB Selectable Troffer
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

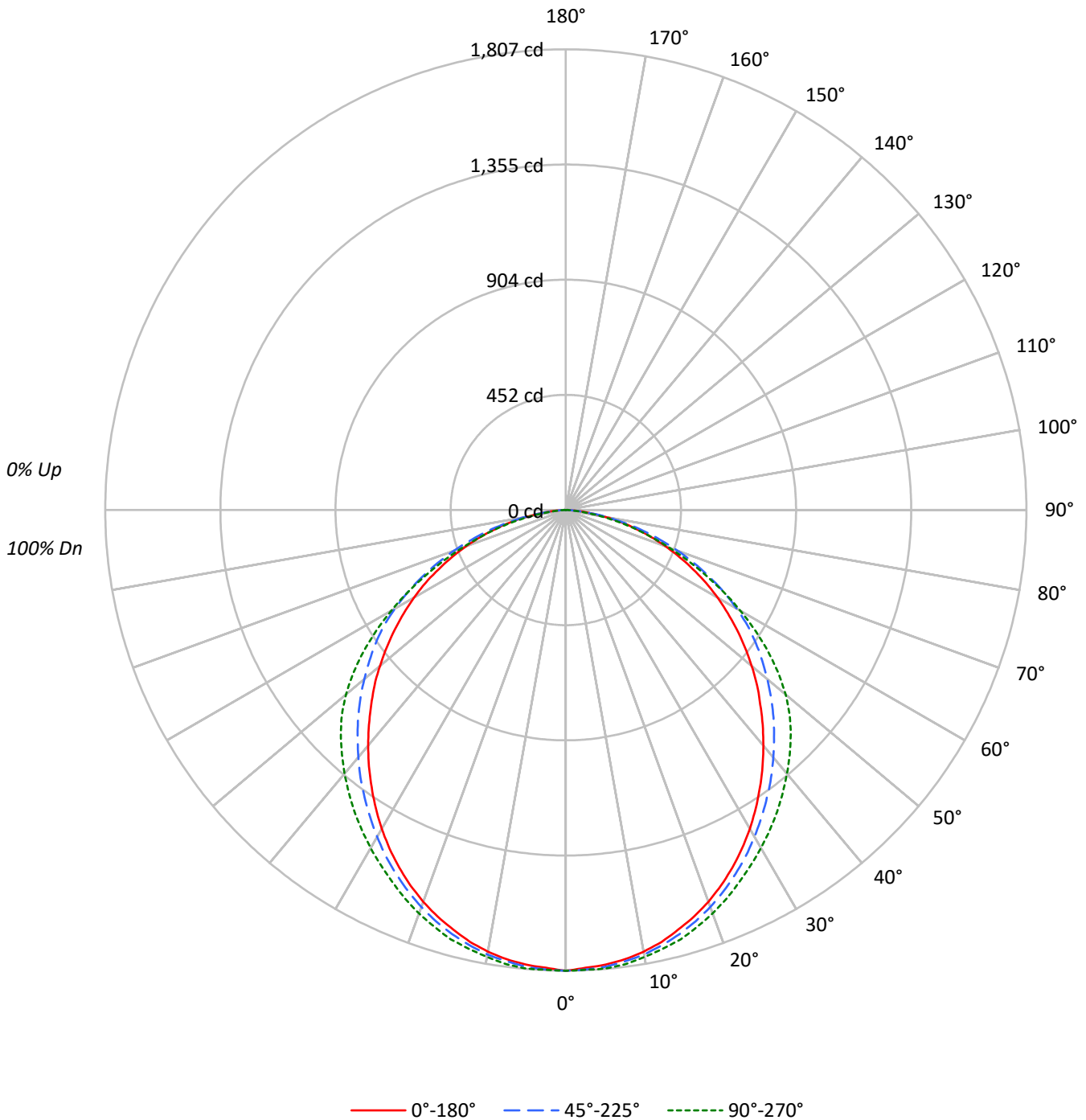
Lumens per Lamp: N/A
Luminaire Lumens: 4923.0 lumens
Efficiency: N/A
Efficacy: 137.1 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 35.9
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: 24 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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	109	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	86	86	86	84
2	99	91	84	79	97	89	83	78	86	80	76	82	78	74	79	76	73	73	73	73	70
3	91	80	72	66	88	78	71	65	75	69	64	73	67	63	70	66	62	62	62	62	59
4	83	71	62	56	81	70	61	55	67	60	54	65	59	54	63	57	53	53	53	53	51
5	76	63	54	48	74	62	54	48	60	53	47	58	52	47	56	51	46	46	46	46	44
6	70	57	48	42	68	56	48	42	54	47	41	53	46	41	51	45	41	41	41	41	38
7	65	52	43	37	64	51	43	37	49	42	37	48	41	36	47	41	36	36	36	36	34
8	61	47	39	33	59	47	38	33	45	38	33	44	37	32	43	37	32	32	32	32	30
9	57	43	35	30	55	43	35	30	42	34	29	41	34	29	40	34	29	29	29	29	27
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	26	26	26	26	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4863	4863	4863
5°	4836	4857	4876
10°	4807	4837	4864
15°	4747	4798	4856
20°	4682	4745	4823
25°	4594	4677	4781
30°	4487	4599	4758
35°	4363	4521	4747
40°	4237	4448	4743
45°	4107	4384	4750
50°	3986	4321	4714
55°	3848	4270	4547
60°	3703	4166	4263
65°	3508	3968	3859
70°	3273	3666	3399
75°	2953	3265	2880
80°	2479	2619	2154
85°	1729	1482	1050

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 4750 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	170.9	3.5
10°-20°	486.4	9.9
20°-30°	727.2	14.8
30°-40°	865.4	17.6
40°-50°	893.8	18.2
50°-60°	803.1	16.3
60°-70°	591.7	12.0
70°-80°	316.8	6.4
80°-90°	67.7	1.4
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°	1384.4	28.1
0°-40°	2249.8	45.7
0°-60°	3946.8	80.2
0°-90°	4923.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4923.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1807	1807	1807	1807	1807	
5°	1790	1801	1798	1802	1805	170
15°	1704	1718	1722	1736	1743	481
25°	1547	1561	1575	1598	1610	712
35°	1328	1346	1376	1423	1445	831
45°	1079	1100	1152	1219	1248	834
55°	820	836	910	958	969	733
65°	551	572	623	615	606	546
75°	284	315	314	286	277	302
85°	56	67	48	36	34	71
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1807.2	1807.2	1807.2	1807.2	1807.2
2.5°	1797.2	1808.2	1804.2	1809.2	1805.2
5°	1790.2	1801.2	1798.2	1802.2	1805.2
7.5°	1777.2	1788.2	1785.2	1792.2	1796.2
10°	1759.2	1770.2	1770.2	1777.2	1780.2
12.5°	1735.2	1746.2	1748.2	1759.2	1762.2
15°	1704.1	1718.2	1722.2	1736.2	1743.2
17.5°	1672.1	1686.1	1692.1	1707.2	1714.2
20°	1635.1	1648.1	1657.1	1673.1	1684.1
22.5°	1593.1	1607.1	1618.1	1636.1	1649.1
25°	1547.1	1561.1	1575.1	1598.1	1610.1
27.5°	1497.1	1512.1	1530.1	1557.1	1571.1
30°	1444.1	1459.1	1480.1	1514.1	1531.1
32.5°	1387.1	1404.1	1429.1	1469.1	1489.1
35°	1328.1	1346.1	1376.1	1423.1	1445.1
37.5°	1268.1	1286.1	1323.1	1374.1	1398.1
40°	1206.1	1226.1	1266.1	1324.1	1350.1
42.5°	1143.1	1163.1	1209.1	1272.1	1300.1
45°	1079.1	1100.1	1152.1	1219.1	1248.1
47.5°	1018.1	1035.1	1093.1	1164.1	1192.1
50°	952.1	969.1	1032.1	1105.1	1126.1
52.5°	886.1	903.1	971.1	1036.1	1051.1
55°	820.1	836.1	910.1	958.1	969.1
57.5°	753.1	770.1	847.1	877.1	882.1
60°	688.1	703.1	774.1	791.1	792.1
62.5°	621.1	638.1	700.1	704.1	699.1
65°	551.0	572.1	623.1	615.1	606.1
67.5°	484.0	510.0	545.0	528.0	517.0
70°	416.0	446.0	466.0	444.0	432.0
72.5°	350.0	381.0	388.0	362.0	352.0
75°	284.0	315.0	314.0	286.0	277.0
77.5°	223.0	249.0	240.0	213.0	205.0
80°	160.0	184.0	169.0	145.0	139.0
82.5°	104.0	123.0	105.0	86.0	82.0
85°	56.0	67.0	48.0	36.0	34.0
87.5°	20.0	20.0	16.0	16.0	16.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)