

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: P798046

Luminaire Tested: 22CZSB-SCT3-UNV-HIGH-3500K

Issue Date: 3/16/2024

Test Information

Test Method: LM-79-2019
Report Number: P798046
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2311-232-40)
Test Lab: INNOVATION CENTER
Issue Date: 3/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 22CZSB-SCT3-UNV-HIGH-3500K
Description: Cruze SB Selectable Troffer
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

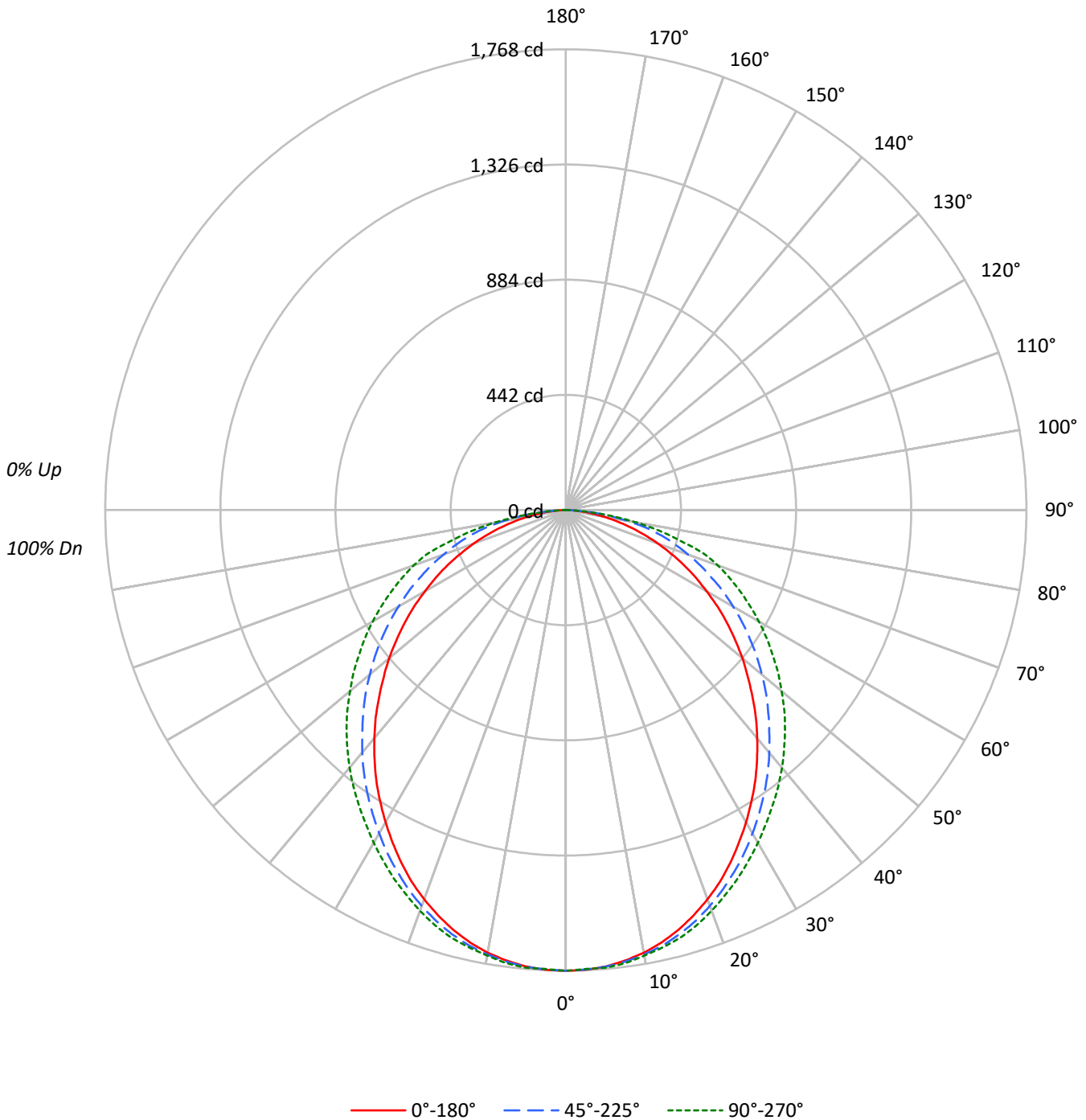
Lumens per Lamp: N/A
Luminaire Lumens: 4895.9 lumens
Efficiency: N/A
Efficacy: 139.9 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.24 / 1.33
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 35
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				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	108	104	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	85	85	85	83
2	98	90	83	77	96	88	82	76	85	79	75	81	77	73	78	74	71	71	71	71	69
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	60	60	60	58
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	62	56	52	52	52	52	49
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	45	45	45	43
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	39	39	39	37
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	35	35	35	33
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	31	31	31	31	30
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	28	28	28	28	27
10	53	40	32	26	51	39	31	26	38	31	26	37	31	26	36	30	26	26	26	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4758	4758	4758
5°	4749	4752	4763
10°	4714	4733	4744
15°	4647	4697	4733
20°	4553	4631	4688
25°	4436	4546	4635
30°	4300	4453	4583
35°	4165	4363	4547
40°	4015	4268	4535
45°	3855	4182	4529
50°	3705	4111	4526
55°	3542	4049	4546
60°	3358	3993	4607
65°	3184	3948	4699
70°	2958	3926	4886
75°	2682	3972	4720
80°	2278	3719	4246
85°	1883	2871	2748

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 72.5°

Luminance: 4976 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.1	3.4
10°-20°	474.8	9.7
20°-30°	704.3	14.4
30°-40°	830.0	17.0
40°-50°	849.8	17.4
50°-60°	771.1	15.8
60°-70°	612.6	12.5
70°-80°	385.4	7.9
80°-90°	100.6	2.1
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°	1346.3	27.5
0°-40°	2176.3	44.5
0°-60°	3797.2	77.6
0°-90°	4895.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4895.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1768	1768	1768	1768	1768	
5°	1758	1760	1759	1761	1763	167
15°	1668	1677	1686	1696	1699	470
25°	1494	1506	1531	1554	1561	687
35°	1268	1285	1328	1368	1384	792
45°	1013	1038	1099	1165	1190	782
55°	755	783	863	939	969	675
65°	500	532	620	701	738	495
75°	258	294	382	434	454	274
85°	61	76	93	86	89	72
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1768.1	1768.1	1768.1	1768.1	1768.1
2.5°	1766.1	1768.1	1765.1	1764.1	1763.1
5°	1758.1	1760.1	1759.1	1761.1	1763.1
7.5°	1744.1	1747.1	1748.1	1751.1	1754.1
10°	1725.1	1730.1	1732.1	1735.1	1736.1
12.5°	1700.0	1708.0	1712.1	1717.1	1719.1
15°	1668.0	1677.0	1686.0	1696.0	1699.0
17.5°	1631.0	1640.0	1654.0	1668.0	1671.0
20°	1590.0	1599.0	1617.0	1632.0	1637.0
22.5°	1545.0	1554.0	1576.0	1594.0	1599.0
25°	1494.0	1506.0	1531.0	1554.0	1561.0
27.5°	1439.0	1453.0	1484.0	1510.0	1518.0
30°	1384.0	1398.0	1433.0	1464.0	1475.0
32.5°	1326.0	1343.0	1381.0	1417.0	1429.0
35°	1268.0	1285.0	1328.0	1368.0	1384.0
37.5°	1206.0	1224.0	1273.0	1319.0	1339.0
40°	1143.0	1162.0	1215.0	1269.0	1291.0
42.5°	1080.0	1101.0	1156.0	1218.0	1241.0
45°	1013.0	1038.0	1099.0	1165.0	1190.0
47.5°	948.0	974.0	1043.0	1112.0	1138.0
50°	885.0	910.0	982.0	1055.0	1081.0
52.5°	820.0	845.0	924.0	999.0	1027.0
55°	755.0	783.0	863.0	939.0	969.0
57.5°	691.0	719.0	803.0	881.0	914.0
60°	624.0	656.0	742.0	822.0	856.0
62.5°	563.0	594.0	683.0	762.0	797.0
65°	500.0	532.0	620.0	701.0	738.0
67.5°	437.0	472.0	562.0	641.0	680.0
70°	376.0	412.0	499.0	581.0	621.0
72.5°	317.0	353.0	441.0	519.0	556.0
75°	258.0	294.0	382.0	434.0	454.0
77.5°	201.0	238.0	318.0	346.0	369.0
80°	147.0	182.0	240.0	262.0	274.0
82.5°	101.0	129.0	167.0	169.0	176.0
85°	61.0	76.0	93.0	86.0	89.0
87.5°	29.0	29.0	30.0	18.0	16.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)