

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: P798045

Luminaire Tested: 22CZSB-SCT3-UNV-HIGH-3000K

Issue Date: 3/16/2024

Test Information

Test Method: LM-79-2019
Report Number: P798045
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-3000K
Description: Cruze SB Selectable Troffer
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

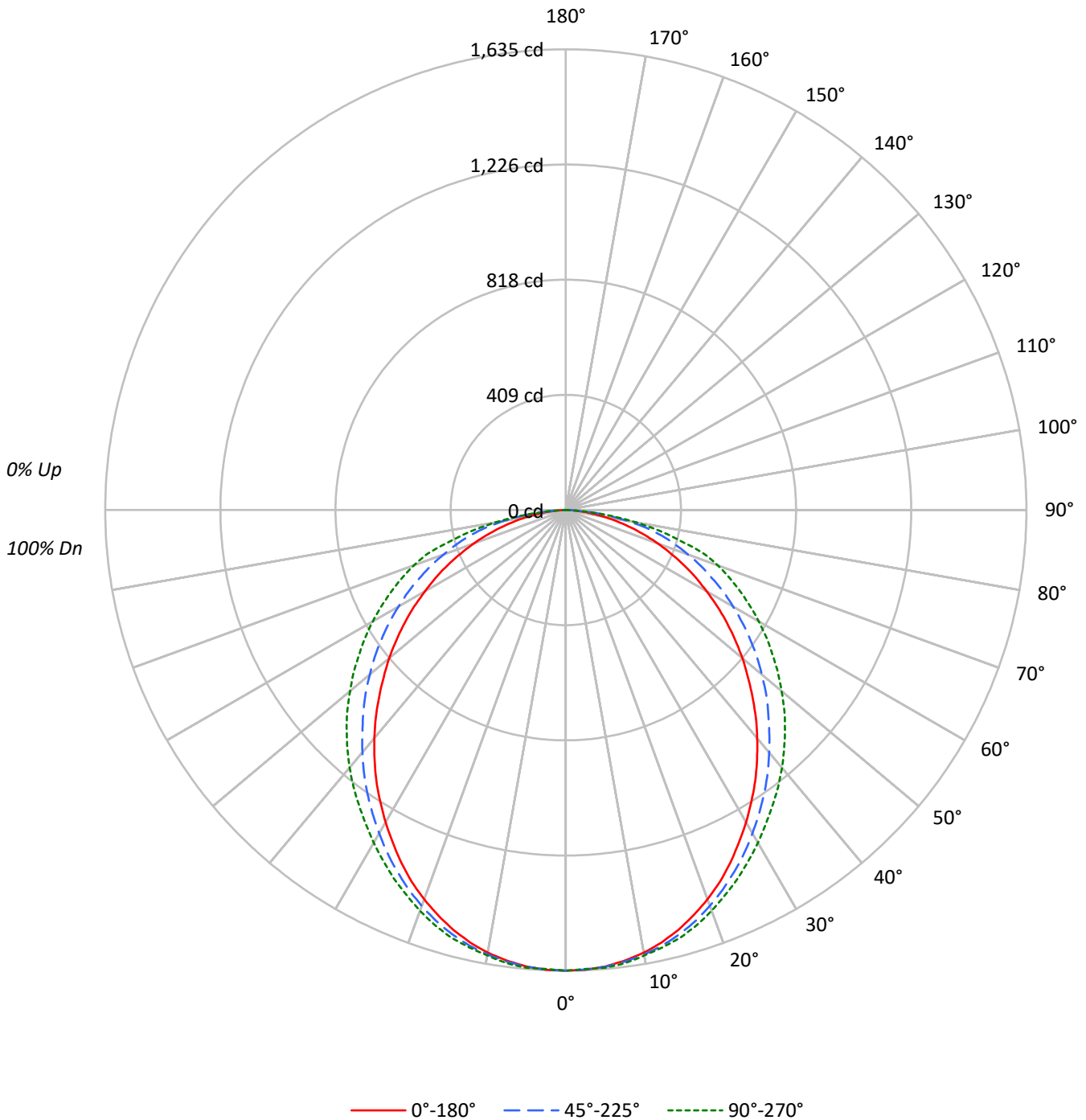
Lumens per Lamp: N/A
Luminaire Lumens: 4527.0 lumens
Efficiency: N/A
Efficacy: 124.4 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.24 / 1.33
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 36.4
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	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°	4399	4399	4399
5°	4391	4394	4404
10°	4358	4376	4386
15°	4297	4343	4377
20°	4210	4282	4335
25°	4102	4203	4286
30°	3976	4117	4238
35°	3852	4034	4204
40°	3713	3947	4193
45°	3565	3867	4187
50°	3426	3801	4185
55°	3275	3744	4204
60°	3105	3693	4260
65°	2944	3650	4345
70°	2736	3630	4518
75°	2481	3672	4365
80°	2106	3439	3927
85°	1741	2655	2541

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 72.5°
 Luminance: 4601 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.5	3.4
10°-20°	439.1	9.7
20°-30°	651.3	14.4
30°-40°	767.5	17.0
40°-50°	785.8	17.4
50°-60°	713.0	15.8
60°-70°	566.5	12.5
70°-80°	356.4	7.9
80°-90°	93.0	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°	1244.8	27.5
0°-40°	2012.3	44.5
0°-60°	3511.1	77.6
0°-90°	4527.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4527.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1635	1635	1635	1635	1635	
5°	1626	1627	1626	1628	1630	154
15°	1542	1551	1559	1568	1571	434
25°	1381	1392	1416	1437	1443	636
35°	1172	1188	1228	1265	1280	733
45°	937	960	1016	1077	1100	723
55°	698	724	798	868	896	624
65°	462	492	573	648	682	457
75°	239	272	353	401	420	253
85°	56	70	86	80	82	67
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1634.8	1634.8	1634.8	1634.8	1634.8
2.5°	1632.9	1634.8	1632.0	1631.1	1630.2
5°	1625.6	1627.4	1626.5	1628.3	1630.2
7.5°	1612.6	1615.4	1616.3	1619.1	1621.9
10°	1595.0	1599.7	1601.5	1604.3	1605.2
12.5°	1571.9	1579.3	1583.0	1587.6	1589.5
15°	1542.3	1550.7	1559.0	1568.2	1571.0
17.5°	1508.1	1516.4	1529.4	1542.3	1545.1
20°	1470.2	1478.5	1495.2	1509.0	1513.7
22.5°	1428.6	1436.9	1457.3	1473.9	1478.5
25°	1381.4	1392.5	1415.7	1436.9	1443.4
27.5°	1330.6	1343.5	1372.2	1396.2	1403.6
30°	1279.7	1292.7	1325.0	1353.7	1363.9
32.5°	1226.1	1241.8	1277.0	1310.2	1321.3
35°	1172.5	1188.2	1227.9	1264.9	1279.7
37.5°	1115.1	1131.8	1177.1	1219.6	1238.1
40°	1056.9	1074.5	1123.5	1173.4	1193.7
42.5°	998.6	1018.1	1068.9	1126.2	1147.5
45°	936.7	959.8	1016.2	1077.2	1100.3
47.5°	876.6	900.6	964.4	1028.2	1052.3
50°	818.3	841.4	908.0	975.5	999.6
52.5°	758.2	781.3	854.4	923.7	949.6
55°	698.1	724.0	798.0	868.3	896.0
57.5°	638.9	664.8	742.5	814.6	845.1
60°	577.0	606.6	686.1	760.1	791.5
62.5°	520.6	549.2	631.5	704.6	737.0
65°	462.3	491.9	573.3	648.2	682.4
67.5°	404.1	436.4	519.7	592.7	628.8
70°	347.7	381.0	461.4	537.2	574.2
72.5°	293.1	326.4	407.8	479.9	514.1
75°	238.6	271.8	353.2	401.3	419.8
77.5°	185.9	220.1	294.0	319.9	341.2
80°	135.9	168.3	221.9	242.3	253.4
82.5°	93.4	119.3	154.4	156.3	162.7
85°	56.4	70.3	86.0	79.5	82.3
87.5°	26.8	26.8	27.7	16.6	14.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)