

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: P798052

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

Issue Date: 3/16/2024

Test Information

Test Method: LM-79-2019
Report Number: P798052
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-MID-3500K
Description: Cruze SB Selectable Troffer
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

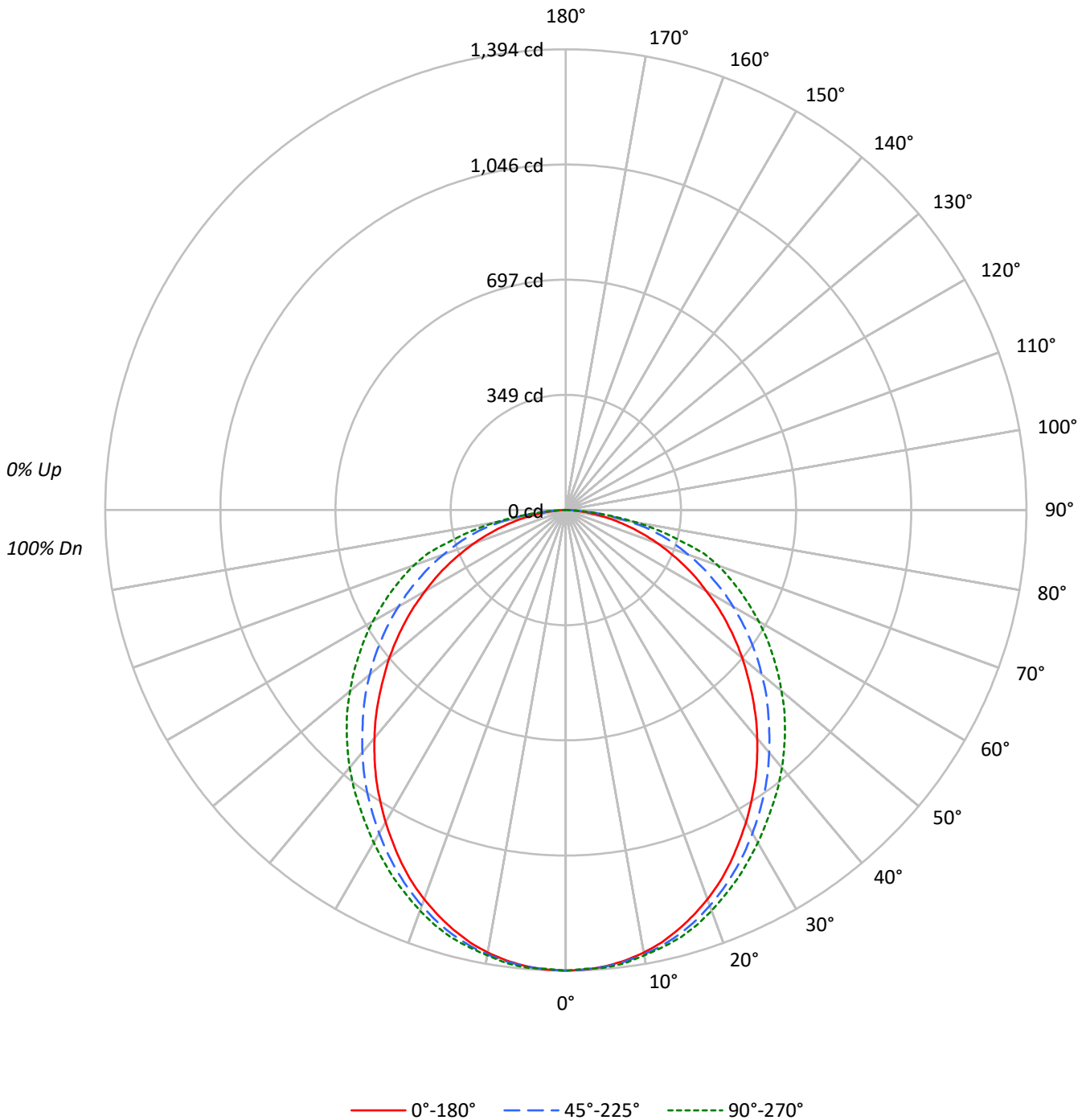
Lumens per Lamp: N/A
Luminaire Lumens: 3859.0 lumens
Efficiency: N/A
Efficacy: 143.5 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.24 / 1.33
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 26.9
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				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°	3750	3750	3750
5°	3743	3745	3754
10°	3715	3730	3739
15°	3663	3702	3731
20°	3589	3650	3695
25°	3496	3583	3653
30°	3390	3510	3613
35°	3283	3439	3584
40°	3165	3364	3575
45°	3039	3297	3570
50°	2920	3240	3567
55°	2792	3191	3583
60°	2647	3148	3631
65°	2509	3112	3704
70°	2332	3094	3851
75°	2115	3131	3721
80°	1796	2932	3347
85°	1485	2263	2167

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 72.5°
 Luminance: 3921 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.7	3.4
10°-20°	374.3	9.7
20°-30°	555.2	14.4
30°-40°	654.3	17.0
40°-50°	669.8	17.4
50°-60°	607.8	15.7
60°-70°	482.9	12.5
70°-80°	303.8	7.9
80°-90°	79.3	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°	1061.1	27.5
0°-40°	1715.4	44.5
0°-60°	2993.0	77.6
0°-90°	3859.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3859.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1394	1394	1394	1394	1394	
5°	1386	1387	1386	1388	1390	131
15°	1315	1322	1329	1337	1339	370
25°	1178	1187	1207	1225	1230	542
35°	1000	1013	1047	1078	1091	624
45°	798	818	866	918	938	617
55°	595	617	680	740	764	532
65°	394	419	489	552	582	390
75°	203	232	301	342	358	216
85°	48	60	73	68	70	57
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1393.6	1393.6	1393.6	1393.6	1393.6
2.5°	1392.0	1393.6	1391.2	1390.4	1389.6
5°	1385.7	1387.3	1386.5	1388.1	1389.6
7.5°	1374.7	1377.0	1377.8	1380.2	1382.5
10°	1359.7	1363.6	1365.2	1367.6	1368.3
12.5°	1340.0	1346.3	1349.4	1353.4	1354.9
15°	1314.7	1321.8	1328.9	1336.8	1339.2
17.5°	1285.6	1292.7	1303.7	1314.7	1317.1
20°	1253.3	1260.4	1274.5	1286.4	1290.3
22.5°	1217.8	1224.9	1242.2	1256.4	1260.4
25°	1177.6	1187.1	1206.8	1224.9	1230.4
27.5°	1134.2	1145.3	1169.7	1190.2	1196.5
30°	1090.9	1101.9	1129.5	1154.0	1162.6
32.5°	1045.2	1058.6	1088.5	1116.9	1126.4
35°	999.5	1012.9	1046.8	1078.3	1090.9
37.5°	950.6	964.8	1003.4	1039.7	1055.4
40°	900.9	915.9	957.7	1000.2	1017.6
42.5°	851.3	867.8	911.2	960.0	978.2
45°	798.5	818.2	866.3	918.3	938.0
47.5°	747.2	767.7	822.1	876.5	897.0
50°	697.6	717.3	774.0	831.6	852.1
52.5°	646.3	666.0	728.3	787.4	809.5
55°	595.1	617.2	680.2	740.1	763.8
57.5°	544.7	566.7	632.9	694.4	720.4
60°	491.8	517.1	584.9	647.9	674.7
62.5°	443.8	468.2	538.4	600.6	628.2
65°	394.1	419.3	488.7	552.5	581.7
67.5°	344.5	372.0	443.0	505.2	536.0
70°	296.4	324.7	393.3	458.0	489.5
72.5°	249.9	278.2	347.6	409.1	438.2
75°	203.4	231.7	301.1	342.1	357.9
77.5°	158.4	187.6	250.7	272.7	290.9
80°	115.9	143.5	189.2	206.5	216.0
82.5°	79.6	101.7	131.6	133.2	138.7
85°	48.1	59.9	73.3	67.8	70.2
87.5°	22.9	22.9	23.6	14.2	12.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)