

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: P798369

Luminaire Tested: 14CZSB-SCT3-S-UNV-LOW-3500K

Issue Date: 3/20/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P798369  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35608)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/20/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 14CZSB-SCT3-S-UNV-LOW-3500K  
Description: Cruze SB Selectable Troffer  
Light Source: 3500K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

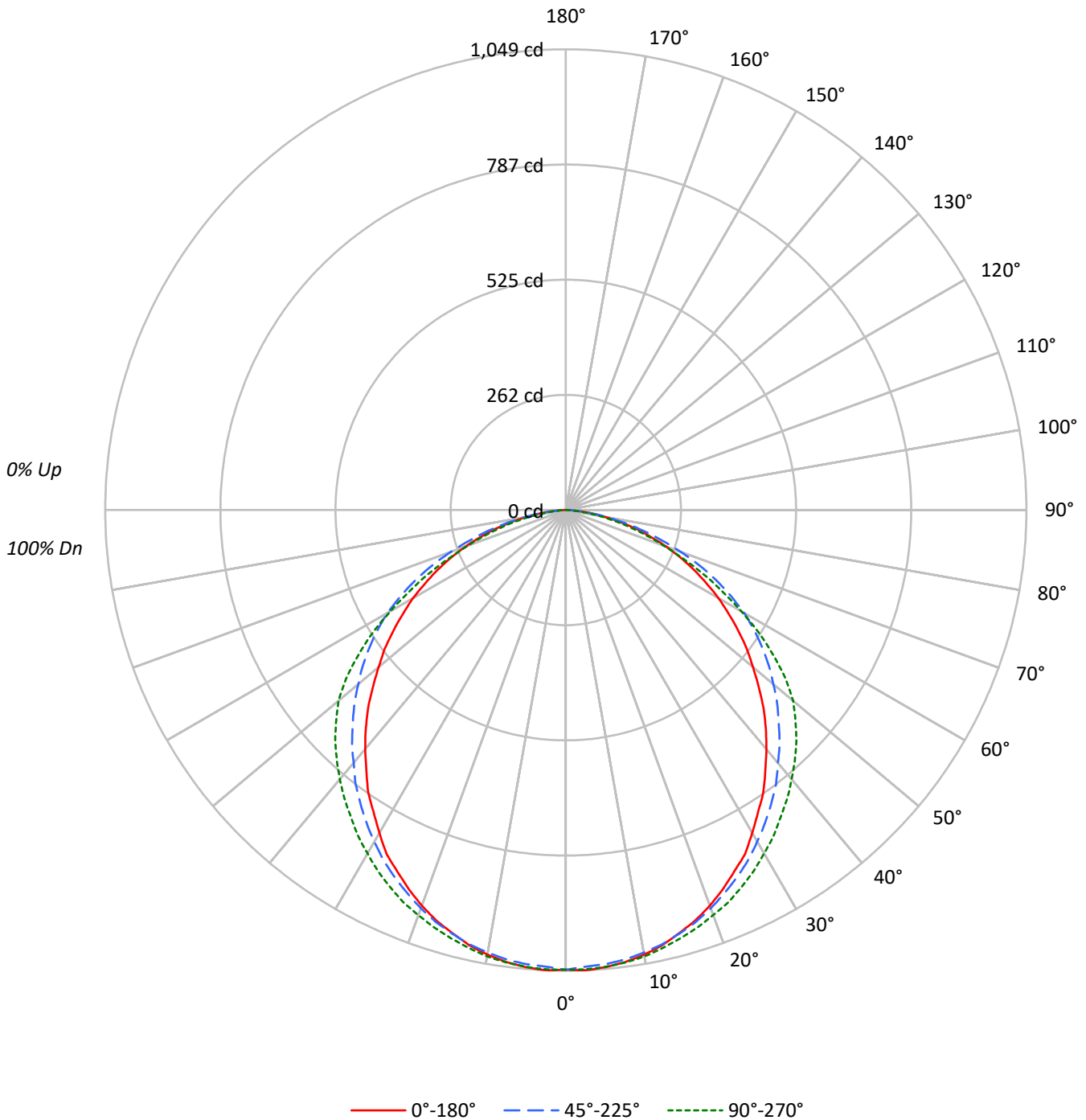
Lumens per Lamp: N/A  
Luminaire Lumens: 2903.0 lumens  
Efficiency: N/A  
Efficacy: 146.6 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.28 / 1.37  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 19.8  
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	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	90	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	46	56	51	46	46	46	46	44
6	70	57	48	42	68	56	48	42	54	47	41	53	46	41	51	45	40	40	40	40	38
7	65	52	43	37	63	51	43	37	49	42	36	48	41	36	47	40	36	36	36	36	34
8	61	47	39	33	59	46	38	33	45	38	33	44	37	32	43	37	32	32	32	32	30
9	57	43	35	30	55	43	35	29	42	34	29	40	34	29	39	33	29	29	29	29	27
10	53	40	32	27	52	39	32	27	38	31	27	37	31	26	37	31	26	26	26	26	25

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	1408	1408	1408
5°	1411	1402	1410
10°	1405	1398	1410
15°	1389	1391	1406
20°	1373	1382	1405
25°	1348	1370	1406
30°	1319	1355	1403
35°	1289	1340	1401
40°	1248	1320	1406
45°	1211	1305	1413
50°	1164	1292	1414
55°	1126	1282	1355
60°	1082	1263	1242
65°	1023	1202	1105
70°	956	1092	934
75°	862	952	783
80°	693	748	597
85°	492	428	310

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°

Vertical Angle: 50°

Luminance: 1414 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	99.0	3.4
10°-20°	282.9	9.7
20°-30°	426.9	14.7
30°-40°	511.8	17.6
40°-50°	531.2	18.3
50°-60°	479.5	16.5
60°-70°	349.2	12.0
70°-80°	183.2	6.3
80°-90°	39.2	1.3
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°	808.9	27.9
0°-40°	1320.7	45.5
0°-60°	2331.4	80.3
0°-90°	2903.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2903.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1047	1047	1047	1047	1047	
5°	1045	1043	1038	1045	1044	99
15°	998	998	999	1010	1010	281
25°	908	913	922	943	947	419
35°	784	792	816	846	853	489
45°	637	650	686	729	743	490
55°	480	496	546	579	578	429
65°	321	341	378	360	347	318
75°	166	190	183	158	151	174
85°	32	38	28	22	20	41
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1046.7	1046.7	1046.7	1046.7	1046.7
2.5°	1049.0	1046.1	1040.6	1047.5	1046.7
5°	1044.8	1042.7	1037.9	1044.8	1044.0
7.5°	1037.9	1036.4	1032.3	1039.9	1039.1
10°	1028.1	1026.0	1023.3	1031.5	1032.3
12.5°	1015.0	1014.2	1012.7	1021.8	1021.1
15°	997.5	997.5	998.9	1010.1	1009.5
17.5°	980.2	980.2	983.7	996.2	996.8
20°	958.8	960.1	964.9	980.2	981.6
22.5°	934.3	935.8	944.2	963.5	967.1
25°	907.9	912.9	922.5	942.7	947.0
27.5°	883.6	884.4	899.0	921.2	926.7
30°	848.9	858.7	871.9	897.6	903.2
32.5°	814.9	824.7	844.9	872.6	880.2
35°	784.5	791.9	815.6	846.2	853.2
37.5°	746.3	758.7	786.4	818.5	828.2
40°	710.8	721.9	751.8	787.9	800.3
42.5°	674.0	686.5	720.7	759.4	772.0
45°	636.6	650.5	685.9	728.9	742.7
47.5°	595.6	613.0	653.1	697.0	709.5
50°	556.1	574.0	617.1	663.0	675.5
52.5°	519.9	536.0	583.1	625.4	630.9
55°	479.8	496.5	546.3	579.0	577.6
57.5°	439.5	458.1	508.2	528.2	522.7
60°	401.9	419.2	469.2	473.5	461.6
62.5°	360.3	380.5	422.8	416.5	401.9
65°	321.4	341.0	377.6	360.3	347.1
67.5°	281.8	302.6	329.0	303.4	288.0
70°	242.9	267.9	277.7	250.0	237.3
72.5°	203.4	229.7	229.0	202.6	192.3
75°	165.8	189.5	183.2	158.3	150.7
77.5°	126.3	150.0	138.1	119.4	112.4
80°	89.5	111.8	96.5	81.8	77.1
82.5°	61.0	74.2	60.4	47.9	45.8
85°	31.9	38.2	27.7	21.5	20.1
87.5°	11.8	11.0	9.8	9.1	9.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)