

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: P798012

Luminaire Tested: 14CZSB-SCT3-UNV-LOW-3000K

Issue Date: 3/16/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P798012  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2307-102-44)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/16/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 14CZSB-SCT3-UNV-LOW-3000K  
Description: Cruze SB Selectable Troffer  
Light Source: 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

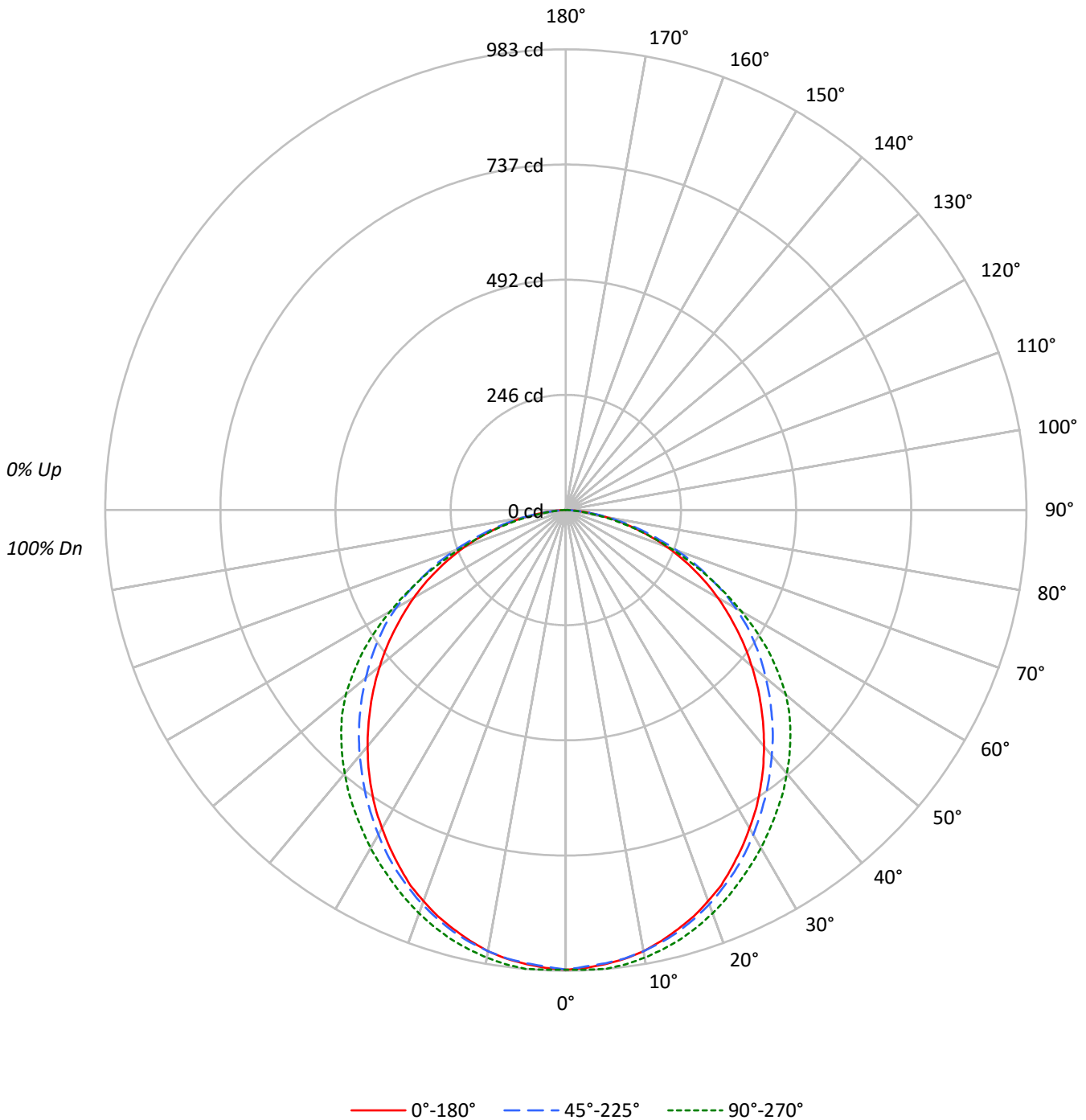
Lumens per Lamp: N/A  
Luminaire Lumens: 2676.0 lumens  
Efficiency: N/A  
Efficacy: 130.5 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.26 / 1.34  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 20.5  
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



TEST NUMBER: P798012  
CATALOG NUMBER: 14CZSB-SCT3-UNV-LOW-3000K

### Luminous Intensity Polar Plot





TEST NUMBER: P798012  
 CATALOG NUMBER: 14CZSB-SCT3-UNV-LOW-3000K

**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	65	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	40	40	40	40	38
7	65	52	43	37	64	51	43	37	49	42	36	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°	2639	2639	2639
5°	2628	2622	2655
10°	2612	2612	2650
15°	2579	2593	2640
20°	2542	2565	2623
25°	2494	2529	2600
30°	2436	2486	2588
35°	2378	2444	2578
40°	2311	2402	2578
45°	2241	2367	2580
50°	2168	2331	2566
55°	2092	2303	2486
60°	2018	2255	2330
65°	1922	2145	2120
70°	1802	1983	1865
75°	1622	1747	1570
80°	1364	1426	1193
85°	957	803	587

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 47.5°  
 Luminance: 2581 cd/sqm



TEST NUMBER: P798012  
 CATALOG NUMBER: 14CZSB-SCT3-UNV-LOW-3000K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	92.7	3.5
10°-20°	264.0	9.9
20°-30°	394.9	14.8
30°-40°	470.1	17.6
40°-50°	485.6	18.1
50°-60°	436.8	16.3
60°-70°	322.6	12.1
70°-80°	172.2	6.4
80°-90°	37.1	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°	751.7	28.1
0°-40°	1221.8	45.7
0°-60°	2144.1	80.1
0°-90°	2676.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2676.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	981	981	981	981	981	
5°	973	984	971	975	983	92
15°	926	938	931	940	948	261
25°	840	853	852	867	876	387
35°	724	735	744	772	785	453
45°	589	600	622	662	678	454
55°	446	457	491	522	530	399
65°	302	313	337	336	333	299
75°	156	170	168	155	151	165
85°	31	35	26	21	19	39
90°	0	0	0	0	0	



TEST NUMBER: P798012

CATALOG NUMBER: 14CZSB-SCT3-UNV-LOW-3000K

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	980.8	980.8	980.8	980.8	980.8
2.5°	977.8	987.8	974.8	977.8	981.8
5°	972.8	983.8	970.8	974.8	982.8
7.5°	965.8	975.8	964.8	968.8	977.8
10°	955.8	966.8	955.8	960.8	969.8
12.5°	941.8	953.8	944.8	951.8	959.8
15°	925.8	937.8	930.8	939.8	947.8
17.5°	908.8	920.8	913.8	923.8	932.8
20°	887.8	900.8	895.8	906.8	915.8
22.5°	866.8	876.8	873.8	886.8	896.8
25°	839.8	852.8	851.8	866.8	875.8
27.5°	812.9	825.9	826.9	844.8	854.8
30°	783.9	796.9	799.9	821.9	832.9
32.5°	755.9	766.9	771.9	796.9	808.9
35°	723.9	734.9	743.9	771.9	784.9
37.5°	691.9	701.9	713.9	745.9	760.9
40°	657.9	668.9	683.9	718.9	733.9
42.5°	623.9	635.9	653.9	690.9	706.9
45°	588.9	599.9	621.9	661.9	677.9
47.5°	553.9	564.9	589.9	631.9	647.9
50°	517.9	528.9	556.9	599.9	612.9
52.5°	482.9	492.9	524.9	562.9	571.9
55°	445.9	456.9	490.9	521.9	529.9
57.5°	409.9	420.9	456.9	477.9	482.9
60°	374.9	383.9	418.9	431.9	432.9
62.5°	338.9	347.9	378.9	383.9	382.9
65°	301.9	312.9	336.9	335.9	332.9
67.5°	266.0	278.0	295.9	288.9	283.9
70°	229.0	243.0	252.0	242.0	237.0
72.5°	191.0	206.0	209.0	198.0	192.0
75°	156.0	170.0	168.0	155.0	151.0
77.5°	121.0	135.0	129.0	119.0	113.0
80°	88.0	99.0	92.0	82.0	77.0
82.5°	57.0	66.0	57.0	49.0	45.0
85°	31.0	35.0	26.0	21.0	19.0
87.5°	11.0	10.0	9.0	9.0	9.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)