

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: P798040

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

Issue Date: 3/16/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P798040  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P259100)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/16/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 14CZSB-SCT3-SQP-UNV-LOW-3500K  
Description: Cruze SB Selectable Troffer  
Light Source: 3500K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

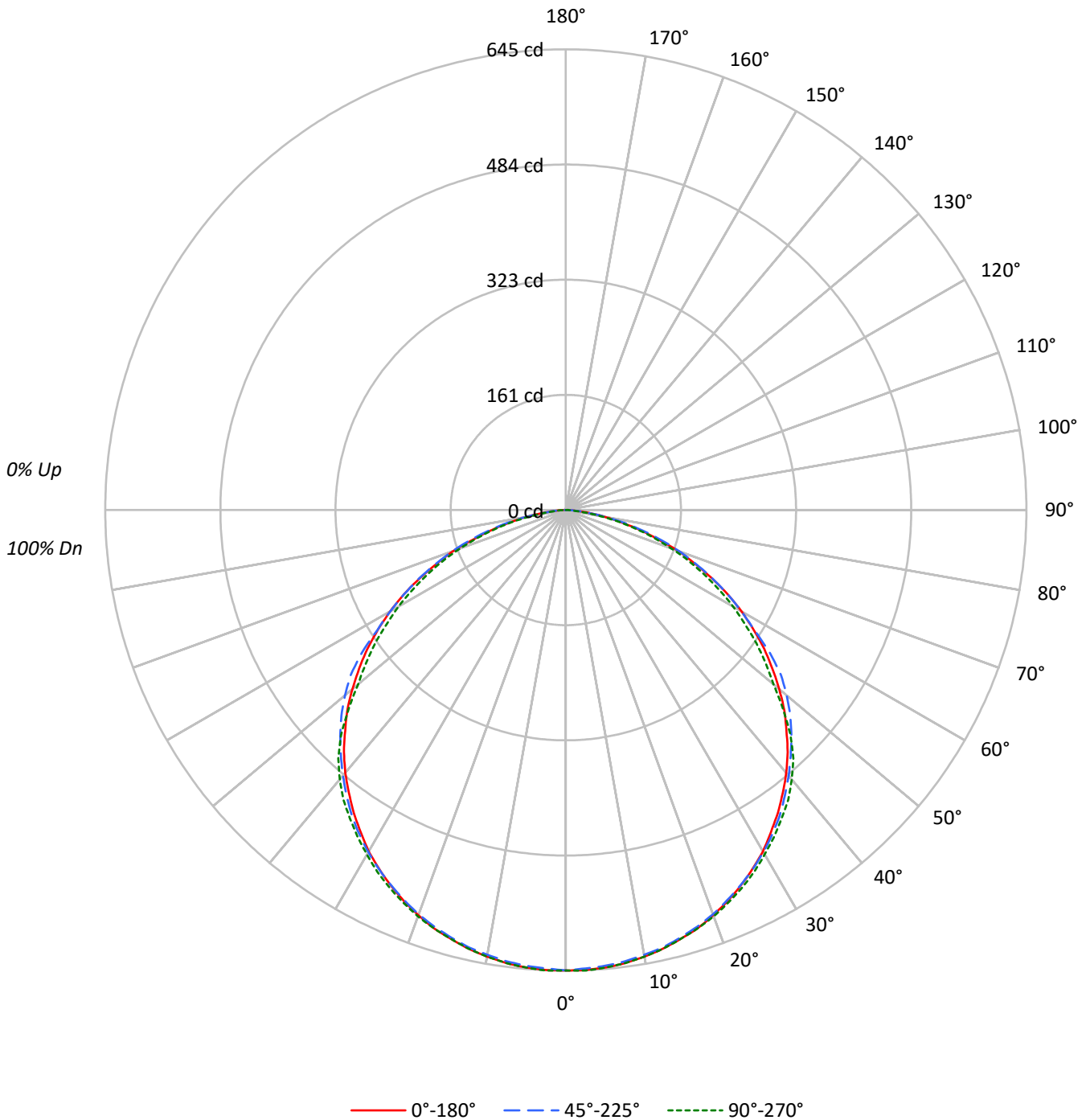
Lumens per Lamp: N/A  
Luminaire Lumens: 1837.2 lumens  
Efficiency: N/A  
Efficacy: 92.8 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 1.28 / 1.4  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

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				
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	65	62	62	62	62	59
4	83	71	62	55	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	47	60	53	47	58	52	46	56	50	46	46	46	46	44
6	70	57	48	42	68	56	48	41	54	47	41	52	46	41	51	45	40	40	40	40	38
7	65	52	43	37	63	51	42	37	49	42	36	48	41	36	46	40	36	36	36	36	34
8	61	47	39	33	59	46	38	33	45	38	32	44	37	32	43	37	32	32	32	32	30
9	57	43	35	29	55	43	35	29	41	34	29	40	34	29	39	33	29	29	29	29	27
10	53	40	32	27	52	39	32	27	38	31	26	37	31	26	36	30	26	26	26	26	24

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

	0°	45°	90°
0°	1735	1735	1735
5°	1737	1730	1737
10°	1735	1728	1735
15°	1732	1727	1732
20°	1729	1725	1734
25°	1722	1720	1733
30°	1715	1719	1730
35°	1701	1715	1731
40°	1687	1705	1729
45°	1663	1700	1693
50°	1633	1690	1590
55°	1591	1637	1530
60°	1531	1527	1457
65°	1434	1443	1363
70°	1317	1332	1234
75°	1106	1158	1054
80°	879	897	741
85°	577	500	423

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 1715 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	61.1	3.3
10°-20°	175.5	9.6
20°-30°	268.0	14.6
30°-40°	326.9	17.8
40°-50°	341.9	18.6
50°-60°	302.7	16.5
60°-70°	222.9	12.1
70°-80°	115.4	6.3
80°-90°	23.0	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°	504.5	27.5
0°-40°	831.4	45.3
0°-60°	1475.9	80.3
0°-90°	1837.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1837.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	645	645	645	645	645	
5°	643	643	640	643	643	61
15°	622	622	620	622	622	176
25°	580	580	579	583	584	267
35°	518	519	522	527	527	324
45°	437	441	447	451	445	337
55°	339	346	349	331	326	303
65°	225	239	227	218	214	223
75°	106	114	111	104	101	114
85°	19	20	16	14	14	24
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	644.6	644.6	644.6	644.6	644.6
2.5°	644.6	644.6	642.3	644.6	645.4
5°	642.9	642.9	640.4	642.9	642.9
7.5°	639.8	639.0	637.3	639.8	639.8
10°	634.8	634.8	632.3	635.4	634.8
12.5°	629.2	628.6	627.3	629.8	629.2
15°	621.7	621.7	619.8	622.3	621.7
17.5°	614.2	613.6	611.7	614.2	614.2
20°	603.6	603.0	602.4	604.9	605.5
22.5°	592.4	591.8	591.2	594.9	594.9
25°	580.0	580.0	579.4	583.1	583.7
27.5°	566.3	566.3	566.9	571.9	571.3
30°	552.0	552.0	553.2	556.9	556.9
32.5°	534.5	535.8	538.3	542.6	542.6
35°	517.7	519.1	522.2	527.0	527.0
37.5°	499.0	501.0	504.0	510.2	511.6
40°	480.3	481.7	485.4	492.3	492.3
42.5°	459.9	461.1	466.1	473.0	471.7
45°	436.9	440.6	446.8	450.6	444.9
47.5°	415.1	417.5	426.3	421.9	412.6
50°	390.1	395.1	403.8	388.3	379.7
52.5°	364.6	370.2	379.7	357.9	352.9
55°	339.2	345.9	349.0	331.1	326.1
57.5°	311.8	319.3	313.0	302.4	297.5
60°	284.4	293.1	283.8	273.8	270.7
62.5°	255.7	265.7	255.1	246.4	242.0
65°	225.2	238.9	226.6	217.9	214.0
67.5°	195.3	209.8	196.7	189.2	186.7
70°	167.4	175.5	169.3	161.8	156.8
72.5°	133.8	141.9	140.6	132.5	129.4
75°	106.4	113.9	111.4	104.5	101.4
77.5°	79.1	87.1	84.6	76.5	75.2
80°	56.7	62.3	57.9	50.3	47.8
82.5°	35.5	39.9	34.2	28.6	27.4
85°	18.7	19.9	16.2	14.3	13.7
87.5°	6.2	6.8	6.8	6.2	6.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)