

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: P798013

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

Issue Date: 3/16/2024

Test Information

Test Method: LM-79-2019
Report Number: P798013
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2307-102-47)
Test Lab: INNOVATION CENTER
Issue Date: 3/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14CZSB-SCT3-UNV-LOW-3500K
Description: Cruze SB Selectable Troffer
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

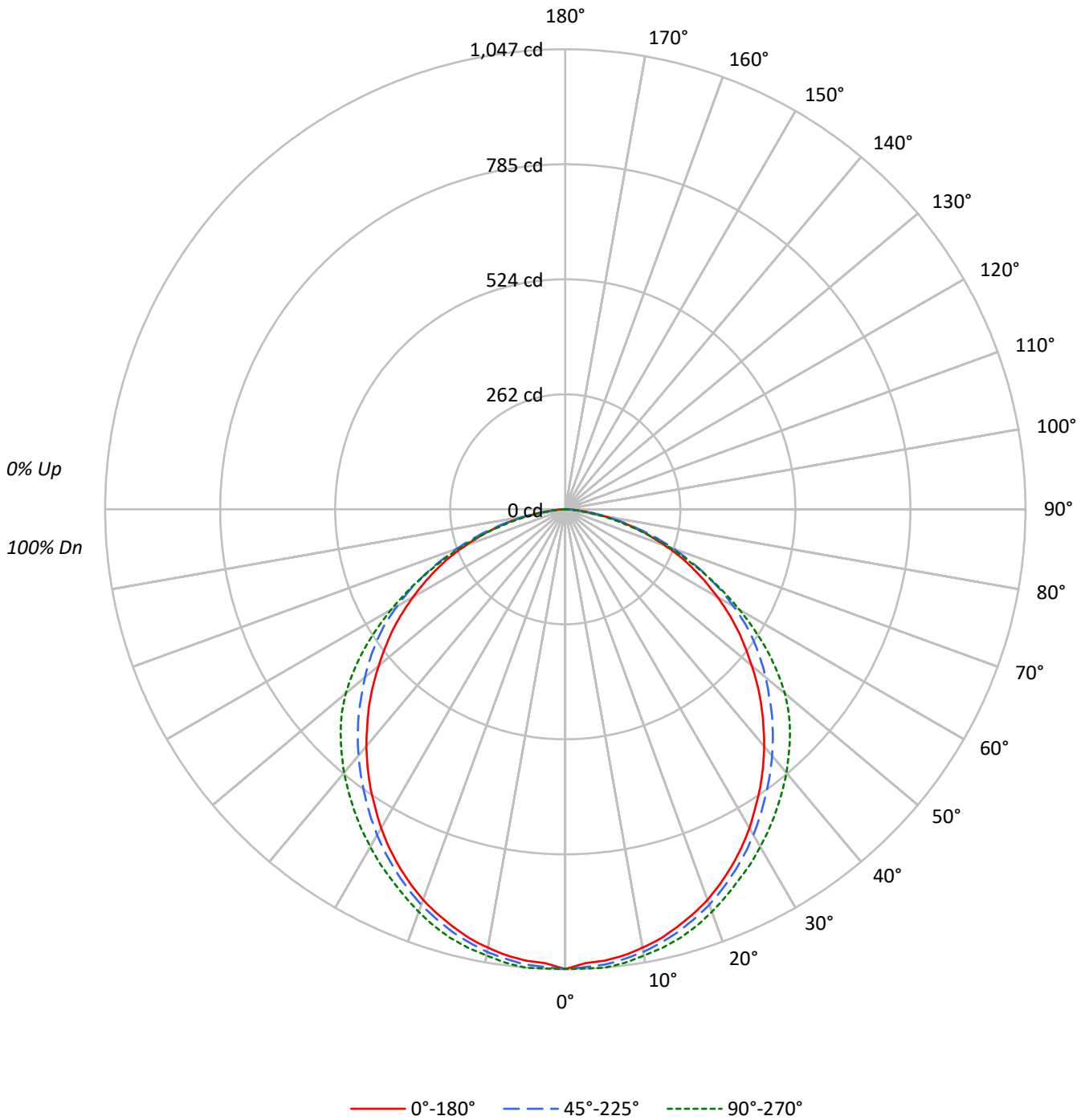
Lumens per Lamp: N/A
Luminaire Lumens: 2847.1 lumens
Efficiency: N/A
Efficacy: 143.8 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	91	80	72	66	88	79	71	65	76	69	64	73	67	63	70	66	62	62	62	62	59	
4	83	71	62	56	81	70	62	55	67	60	54	65	59	54	63	57	53	53	53	53	51	
5	76	63	55	48	74	62	54	48	60	53	47	58	52	47	56	51	46	46	46	46	44	
6	70	57	48	42	69	56	48	42	54	47	41	53	46	41	51	45	41	41	41	41	38	
7	65	52	43	37	64	51	43	37	49	42	37	48	41	36	47	41	36	36	36	36	34	
8	61	47	39	33	59	47	39	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°	2815	2815	2815
5°	2785	2809	2828
10°	2768	2795	2817
15°	2741	2772	2814
20°	2709	2743	2792
25°	2660	2702	2767
30°	2604	2660	2756
35°	2539	2612	2750
40°	2473	2571	2751
45°	2401	2531	2751
50°	2319	2491	2730
55°	2247	2458	2632
60°	2153	2379	2465
65°	2050	2248	2241
70°	1896	2061	1975
75°	1705	1799	1632
80°	1379	1441	1224
85°	926	741	587

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 2751 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.8	3.5
10°-20°	281.2	9.9
20°-30°	420.6	14.8
30°-40°	501.0	17.6
40°-50°	517.8	18.2
50°-60°	465.7	16.4
60°-70°	342.4	12.0
70°-80°	181.7	6.4
80°-90°	37.9	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°	800.6	28.1
0°-40°	1301.6	45.7
0°-60°	2285.1	80.3
0°-90°	2847.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2847.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1046	1046	1046	1046	1046	
5°	1031	1043	1040	1042	1047	98
15°	984	996	995	1001	1010	278
25°	896	906	910	920	932	413
35°	773	782	795	820	837	483
45°	631	639	665	705	723	486
55°	479	487	524	559	561	428
65°	322	332	353	361	352	319
75°	164	180	173	168	157	174
85°	30	37	24	22	19	38
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1046	1046	1046	1046	1046
2.5°	1034	1046	1043	1046	1046
5°	1031	1043	1040	1042	1047
7.5°	1024	1036	1032	1035	1041
10°	1013	1025	1023	1026	1031
12.5°	1001	1012	1010	1014	1022
15°	984	996	995	1001	1010
17.5°	966	978	977	984	994
20°	946	957	958	964	975
22.5°	922	934	935	942	954
25°	896	906	910	920	932
27.5°	868	878	884	898	911
30°	838	848	856	872	887
32.5°	805	816	826	847	863
35°	773	782	795	820	837
37.5°	739	748	764	792	810
40°	704	713	732	763	783
42.5°	667	676	699	735	753
45°	631	639	665	705	723
47.5°	593	602	629	673	690
50°	554	563	595	640	652
52.5°	516	524	560	602	608
55°	479	487	524	559	561
57.5°	440	447	486	512	510
60°	400	409	442	463	458
62.5°	361	370	399	413	405
65°	322	332	353	361	352
67.5°	284	295	308	310	300
70°	241	258	262	261	251
72.5°	203	221	218	214	204
75°	164	180	173	168	157
77.5°	127	142	132	126	117
80°	89	105	93	87	79
82.5°	57	70	56	52	45
85°	30	37	24	22	19
87.5°	10	10	8	9	8
90°	0	0	0	0	0

(END OF REPORT)