

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: P798014

Luminaire Tested: 14CZSB-SCT3-UNV-LOW-4000K

Issue Date: 3/16/2024

Test Information

Test Method: LM-79-2019
Report Number: P798014
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2307-102-50)
Test Lab: INNOVATION CENTER
Issue Date: 3/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14CZSB-SCT3-UNV-LOW-4000K
Description: Cruze SB Selectable Troffer
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

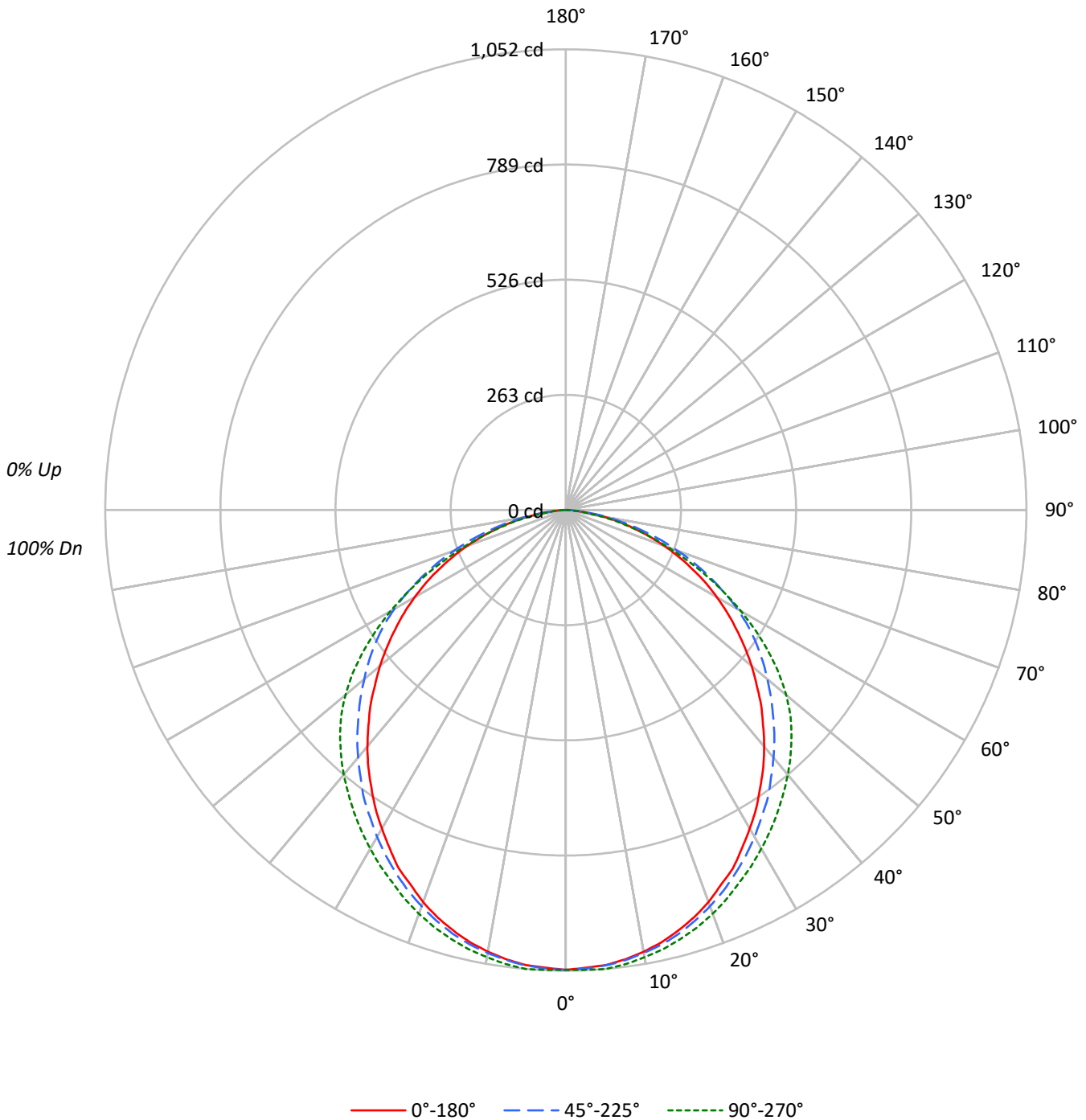
Lumens per Lamp: N/A
Luminaire Lumens: 2865.9 lumens
Efficiency: N/A
Efficacy: 139.8 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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



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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	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	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	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°	2826	2826	2826
5°	2817	2820	2842
10°	2798	2806	2834
15°	2769	2789	2825
20°	2729	2758	2809
25°	2681	2720	2785
30°	2610	2678	2775
35°	2543	2641	2769
40°	2477	2592	2772
45°	2401	2550	2774
50°	2319	2516	2750
55°	2233	2491	2655
60°	2147	2438	2486
65°	2031	2311	2254
70°	1888	2140	1959
75°	1664	1882	1643
80°	1348	1519	1224
85°	865	865	618

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 2774 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.3	3.5
10°-20°	283.0	9.9
20°-30°	423.4	14.8
30°-40°	504.3	17.6
40°-50°	521.0	18.2
50°-60°	468.6	16.3
60°-70°	345.1	12.0
70°-80°	183.0	6.4
80°-90°	38.3	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°	805.7	28.1
0°-40°	1310.0	45.7
0°-60°	2299.6	80.2
0°-90°	2865.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2865.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1050	1050	1050	1050	1050	
5°	1043	1052	1044	1042	1052	99
15°	994	1005	1001	1005	1014	280
25°	903	912	916	926	938	415
35°	774	786	804	825	843	485
45°	631	642	670	709	729	486
55°	476	488	531	561	566	426
65°	319	332	363	363	354	316
75°	160	179	181	168	158	170
85°	28	36	28	22	20	37
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1050	1050	1050	1050	1050
2.5°	1046	1056	1048	1046	1051
5°	1043	1052	1044	1042	1052
7.5°	1035	1045	1037	1036	1046
10°	1024	1034	1027	1028	1037
12.5°	1011	1021	1016	1018	1027
15°	994	1005	1001	1005	1014
17.5°	975	986	983	989	999
20°	953	964	963	970	981
22.5°	926	940	941	949	961
25°	903	912	916	926	938
27.5°	871	886	890	903	917
30°	840	853	862	878	893
32.5°	809	821	832	852	869
35°	774	786	804	825	843
37.5°	741	752	770	798	816
40°	705	716	738	770	789
42.5°	667	680	705	740	760
45°	631	642	670	709	729
47.5°	591	604	636	678	696
50°	554	565	601	644	657
52.5°	515	527	567	604	614
55°	476	488	531	561	566
57.5°	438	448	494	514	515
60°	399	409	453	463	462
62.5°	360	370	408	414	408
65°	319	332	363	363	354
67.5°	279	295	318	312	299
70°	240	258	272	262	249
72.5°	199	219	227	214	201
75°	160	179	181	168	158
77.5°	123	141	139	127	117
80°	87	103	98	87	79
82.5°	55	68	61	52	44
85°	28	36	28	22	20
87.5°	9	9	10	10	8
90°	0	0	0	0	0

(END OF REPORT)