

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: P798022

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

Issue Date: 3/16/2024

Test Information

Test Method: LM-79-2019
Report Number: P798022
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P345154)
Test Lab: INNOVATION CENTER
Issue Date: 3/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14CZSB-SCT3-HRP-UNV-LOW-3500K
Description: Cruze SB Selectable Troffer
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

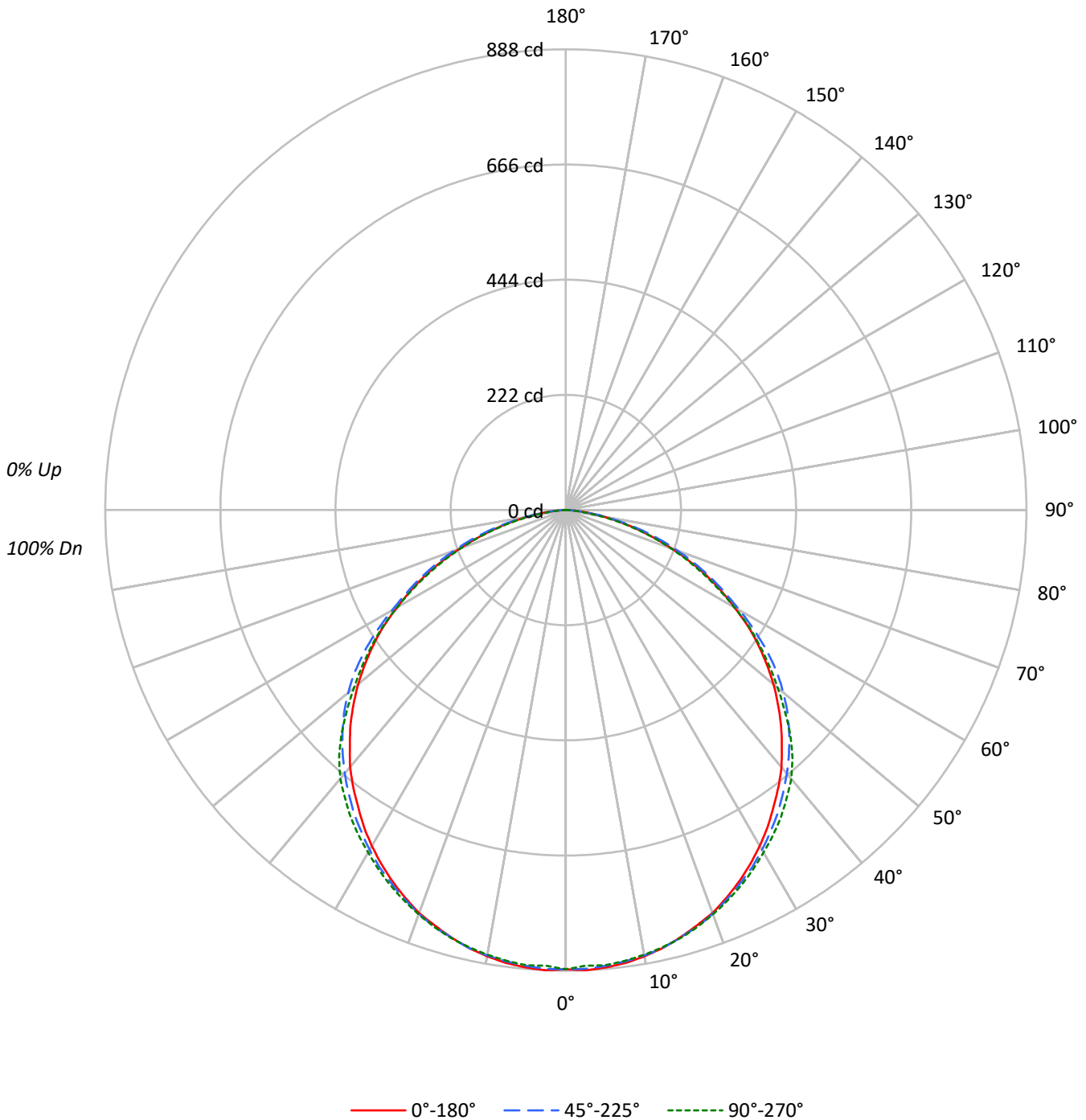
Lumens per Lamp: N/A
Luminaire Lumens: 2501.0 lumens
Efficiency: N/A
Efficacy: 126.3 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.28 / 1.4
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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				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	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	51	46	46	46	46	44
6	70	57	48	42	68	56	48	41	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	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	31	26	26	26	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2382	2382	2382
5°	2391	2383	2379
10°	2387	2382	2378
15°	2376	2376	2380
20°	2367	2371	2375
25°	2346	2359	2372
30°	2324	2351	2369
35°	2293	2341	2375
40°	2272	2329	2375
45°	2234	2317	2329
50°	2189	2292	2231
55°	2124	2220	2145
60°	2020	2083	2020
65°	1906	1962	1869
70°	1712	1804	1689
75°	1472	1595	1442
80°	1155	1244	1040
85°	812	722	630

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 2334 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.8	3.3
10°-20°	240.6	9.6
20°-30°	365.6	14.6
30°-40°	444.1	17.8
40°-50°	463.8	18.5
50°-60°	412.5	16.5
60°-70°	301.1	12.0
70°-80°	157.1	6.3
80°-90°	32.4	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°	690.0	27.6
0°-40°	1134.0	45.3
0°-60°	2010.4	80.4
0°-90°	2501.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2501.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	885	885	885	885	885	
5°	885	879	882	881	881	84
15°	853	848	853	854	854	241
25°	790	787	794	796	799	364
35°	698	698	713	717	723	437
45°	587	588	609	613	612	452
55°	453	462	473	460	457	404
65°	299	316	308	299	294	295
75°	142	155	153	143	139	151
85°	26	29	23	20	20	33
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	885.0	885.0	885.0	885.0	885.0
2.5°	888.0	882.0	885.0	883.6	879.2
5°	885.0	879.2	882.0	880.6	880.6
7.5°	880.6	874.8	877.7	876.2	876.2
10°	873.4	867.5	871.8	870.4	870.4
12.5°	864.6	858.7	864.6	863.1	863.1
15°	852.9	848.5	852.9	854.4	854.4
17.5°	839.7	836.9	842.7	842.7	842.7
20°	826.7	822.3	828.1	828.1	829.5
22.5°	809.1	804.7	812.1	810.5	814.9
25°	790.1	787.1	794.5	795.9	798.9
27.5°	769.7	768.2	776.9	778.4	781.3
30°	747.8	744.8	756.5	758.0	762.3
32.5°	724.4	724.4	734.6	737.6	743.4
35°	698.0	698.0	712.6	717.0	723.0
37.5°	673.3	673.3	687.8	695.2	699.6
40°	646.9	646.9	663.1	670.3	676.2
42.5°	616.3	617.7	636.7	644.1	646.9
45°	587.1	588.5	608.9	613.3	611.9
47.5°	555.0	559.4	579.8	576.9	572.5
50°	522.8	527.2	547.6	536.0	533.0
52.5°	487.8	495.1	512.6	496.5	495.1
55°	452.7	461.5	473.2	460.1	457.1
57.5°	416.2	427.9	430.9	422.1	419.1
60°	375.4	391.4	387.0	379.8	375.4
62.5°	337.4	352.0	346.2	338.8	334.4
65°	299.4	315.5	308.1	299.4	293.5
67.5°	258.5	277.5	268.7	258.5	254.1
70°	217.6	233.7	229.3	219.1	214.7
72.5°	178.2	192.8	191.4	181.0	176.8
75°	141.6	154.8	153.4	143.1	138.7
77.5°	106.7	119.7	115.4	106.7	102.3
80°	74.5	86.1	80.3	71.5	67.1
82.5°	48.2	54.0	48.2	40.9	38.0
85°	26.3	29.2	23.4	20.4	20.4
87.5°	8.8	10.2	10.2	10.2	10.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)