

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: P798050

Luminaire Tested: 22CZSB-SCT3-UNV-LOW-4000K

Issue Date: 3/16/2024

Test Information

Test Method: LM-79-2019
Report Number: P798050
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2311-232-40)
Test Lab: INNOVATION CENTER
Issue Date: 3/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 22CZSB-SCT3-UNV-LOW-4000K
Description: Cruze SB Selectable Troffer
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

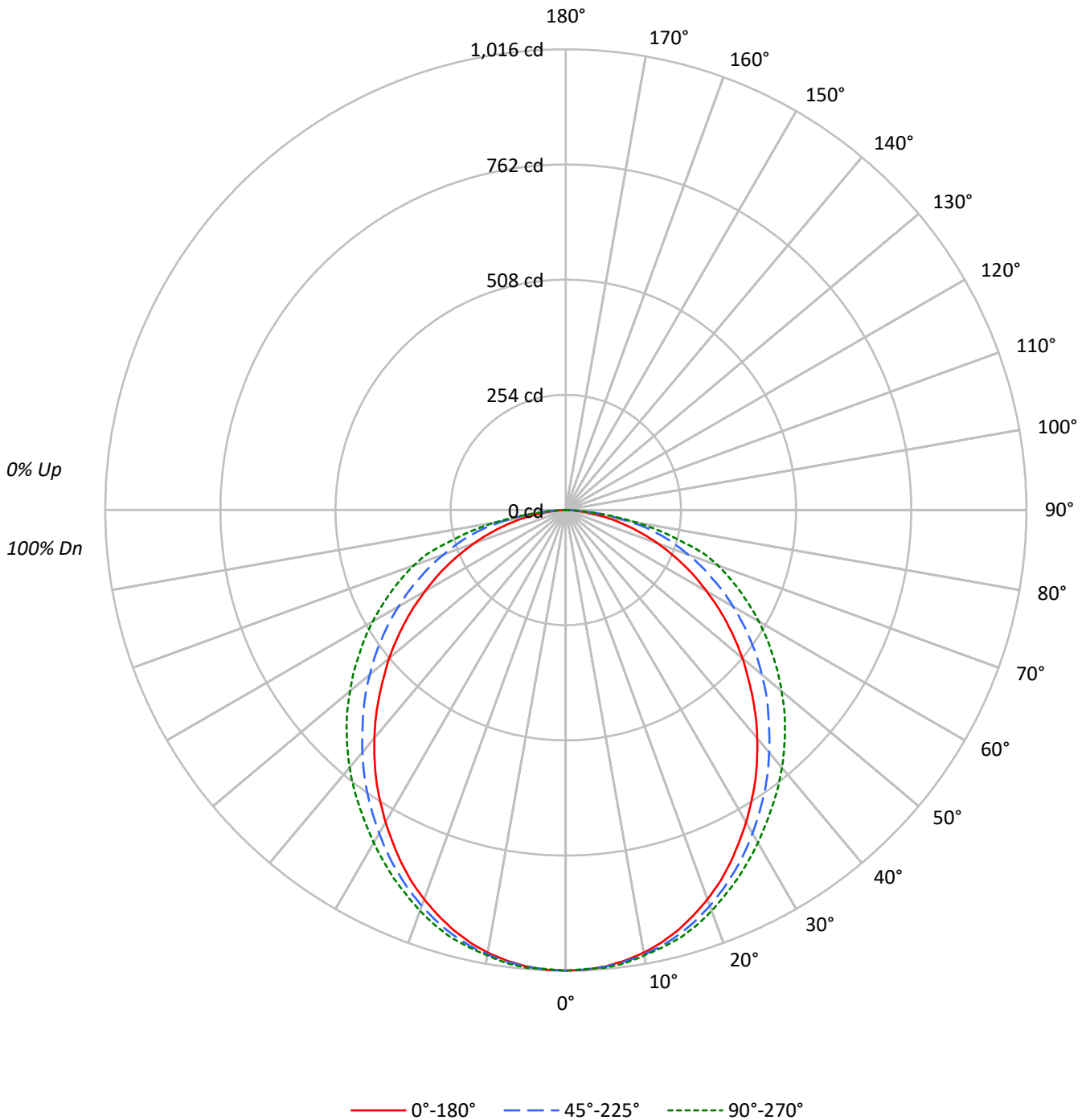
Lumens per Lamp: N/A
Luminaire Lumens: 2813.0 lumens
Efficiency: N/A
Efficacy: 141.4 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.24 / 1.33
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 19.9
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	108	104	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	85	85	85	83
2	98	90	83	77	96	88	82	76	85	79	75	81	77	73	78	74	71	71	71	71	69
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	60	60	60	58
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	62	56	52	52	52	52	49
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	45	45	45	43
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	39	39	39	37
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	35	35	35	33
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	31	31	31	31	30
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	28	28	28	28	27
10	53	40	32	26	51	39	31	26	38	31	26	37	31	26	36	30	26	26	26	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2733	2733	2733
5°	2729	2730	2736
10°	2708	2719	2725
15°	2670	2699	2720
20°	2616	2661	2694
25°	2549	2612	2663
30°	2471	2559	2633
35°	2394	2507	2612
40°	2307	2452	2606
45°	2215	2403	2602
50°	2129	2362	2600
55°	2035	2327	2612
60°	1929	2294	2647
65°	1829	2268	2700
70°	1699	2256	2807
75°	1541	2282	2713
80°	1309	2137	2439
85°	1081	1649	1578

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 72.5°
 Luminance: 2859 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.0	3.4
10°-20°	272.8	9.7
20°-30°	404.7	14.4
30°-40°	476.9	17.0
40°-50°	488.3	17.4
50°-60°	443.1	15.8
60°-70°	352.0	12.5
70°-80°	221.4	7.9
80°-90°	57.8	2.1
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°	773.5	27.5
0°-40°	1250.4	44.5
0°-60°	2181.7	77.6
0°-90°	2813.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2813.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1016	1016	1016	1016	1016	
5°	1010	1011	1011	1012	1013	96
15°	958	964	969	974	976	270
25°	858	865	880	893	897	395
35°	729	738	763	786	795	455
45°	582	596	631	669	684	449
55°	434	450	496	540	557	388
65°	287	306	356	403	424	284
75°	148	169	220	249	261	157
85°	35	44	53	49	51	41
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1015.8	1015.8	1015.8	1015.8	1015.8
2.5°	1014.7	1015.8	1014.1	1013.5	1013.0
5°	1010.1	1011.2	1010.7	1011.8	1013.0
7.5°	1002.0	1003.8	1004.3	1006.1	1007.8
10°	991.1	994.0	995.2	996.9	997.4
12.5°	976.8	981.4	983.7	986.5	987.7
15°	958.4	963.5	968.7	974.5	976.2
17.5°	937.1	942.3	950.3	958.4	960.1
20°	913.6	918.7	929.1	937.7	940.6
22.5°	887.7	892.9	905.5	915.9	918.7
25°	858.4	865.3	879.7	892.9	896.9
27.5°	826.8	834.8	852.7	867.6	872.2
30°	795.2	803.2	823.4	841.2	847.5
32.5°	761.9	771.6	793.5	814.2	821.1
35°	728.6	738.3	763.0	786.0	795.2
37.5°	692.9	703.3	731.4	757.9	769.3
40°	656.7	667.6	698.1	729.1	741.8
42.5°	620.5	632.6	664.2	699.8	713.0
45°	582.0	596.4	631.4	669.4	683.7
47.5°	544.7	559.6	599.3	638.9	653.9
50°	508.5	522.9	564.2	606.2	621.1
52.5°	471.1	485.5	530.9	574.0	590.1
55°	433.8	449.9	495.9	539.5	556.8
57.5°	397.0	413.1	461.4	506.2	525.2
60°	358.5	376.9	426.3	472.3	491.8
62.5°	323.5	341.3	392.4	437.8	457.9
65°	287.3	305.7	356.2	402.8	424.0
67.5°	251.1	271.2	322.9	368.3	390.7
70°	216.0	236.7	286.7	333.8	356.8
72.5°	182.1	202.8	253.4	298.2	319.5
75°	148.2	168.9	219.5	249.4	260.9
77.5°	115.5	136.7	182.7	198.8	212.0
80°	84.5	104.6	137.9	150.5	157.4
82.5°	58.0	74.1	96.0	97.1	101.1
85°	35.0	43.7	53.4	49.4	51.1
87.5°	16.7	16.7	17.2	10.3	9.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)