

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: P798379

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

Issue Date: 3/20/2024

Test Information

Test Method: LM-79-2019
Report Number: P798379
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P25712)
Test Lab: INNOVATION CENTER
Issue Date: 3/20/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 22CZSB-SCT3-S-UNV-LOW-4000K
Description: Cruze SB Selectable Troffer
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

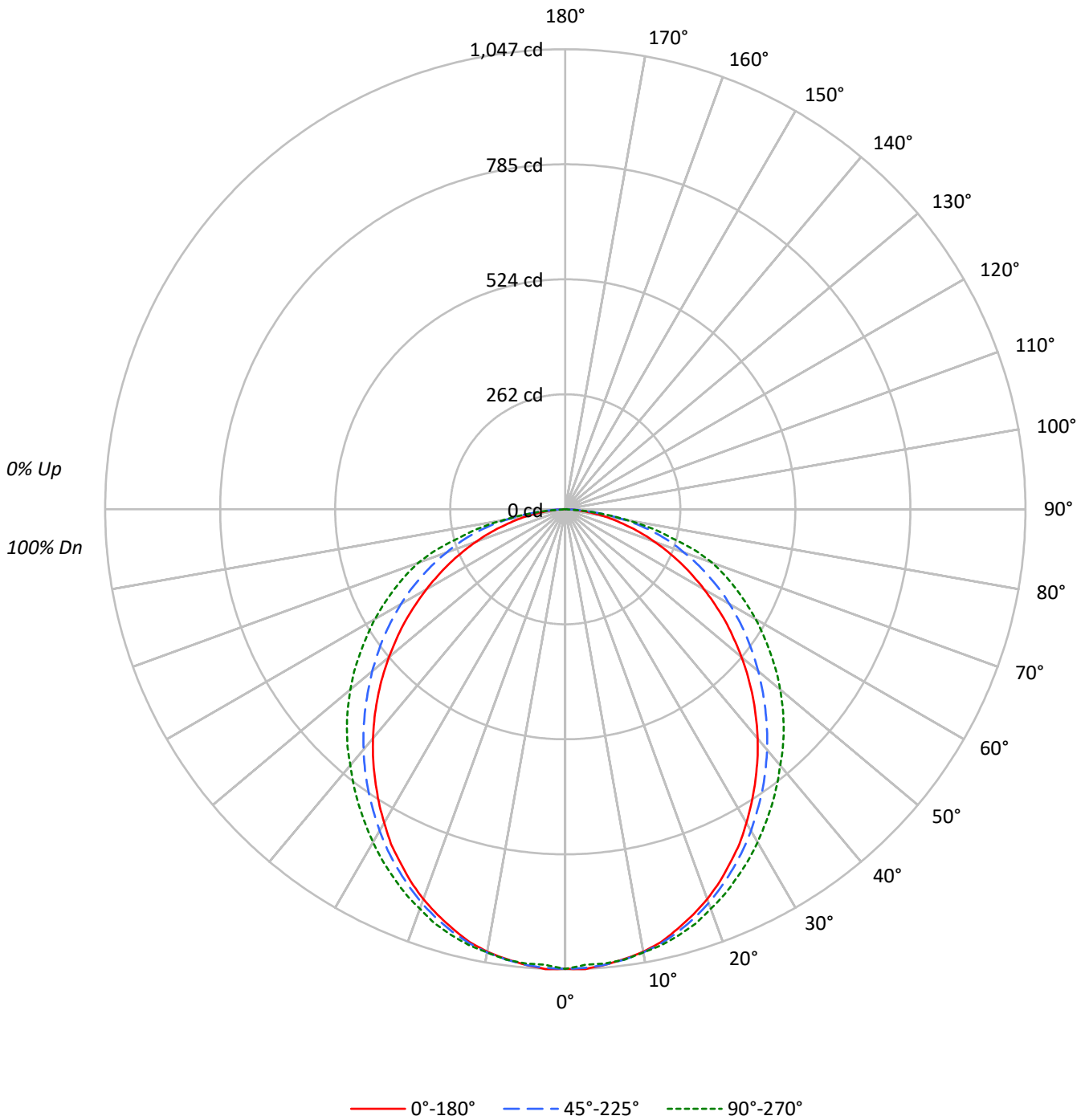
Lumens per Lamp: N/A
Luminaire Lumens: 2869.2 lumens
Efficiency: N/A
Efficacy: 144.2 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.24 / 1.33
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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	109	104	99	95	106	101	97	94	97	94	91	93	91	88	90	87	85	85	85	85	83
2	99	90	83	77	96	88	82	77	85	79	75	81	77	73	78	75	71	71	71	71	69
3	90	79	71	64	87	78	70	64	75	68	63	72	66	62	69	64	60	60	60	60	58
4	82	70	61	54	80	69	61	54	66	59	53	64	58	53	62	56	52	52	52	52	50
5	76	63	54	47	74	62	53	47	59	52	46	57	51	46	56	50	45	45	45	45	43
6	70	56	47	41	68	56	47	41	54	46	40	52	45	40	50	44	40	40	40	40	38
7	65	51	42	36	63	50	42	36	49	41	36	47	41	36	46	40	35	35	35	35	33
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	32	32	32	32	30
9	56	43	35	29	55	42	34	29	41	34	29	40	34	29	39	33	29	29	29	29	27
10	53	40	32	26	52	39	32	26	38	31	26	37	31	26	36	30	26	26	26	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2815	2815	2815
5°	2811	2811	2803
10°	2794	2798	2798
15°	2753	2772	2795
20°	2703	2731	2771
25°	2635	2680	2746
30°	2561	2625	2719
35°	2476	2567	2694
40°	2392	2508	2672
45°	2297	2449	2675
50°	2192	2400	2672
55°	2088	2360	2670
60°	1966	2322	2692
65°	1843	2290	2729
70°	1702	2265	2798
75°	1535	2249	2593
80°	1345	2091	2263
85°	1105	1575	1402

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 70°
 Luminance: 2798 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.8	3.4
10°-20°	280.6	9.8
20°-30°	416.8	14.5
30°-40°	490.6	17.1
40°-50°	500.1	17.4
50°-60°	451.1	15.7
60°-70°	355.3	12.4
70°-80°	219.1	7.6
80°-90°	56.9	2.0
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°	796.1	27.7
0°-40°	1286.7	44.8
0°-60°	2237.9	78.0
0°-90°	2869.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2869.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1046	1046	1046	1046	1046	
5°	1041	1042	1041	1039	1038	99
15°	988	992	995	1000	1003	279
25°	888	893	903	918	925	409
35°	754	762	781	806	820	472
45°	604	613	644	682	703	465
55°	445	460	503	548	569	397
65°	290	310	360	405	429	287
75°	148	172	216	241	249	157
85°	36	45	51	48	45	42
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1046.0	1046.0	1046.0	1046.0	1046.0
2.5°	1047.3	1047.3	1044.6	1041.9	1037.7
5°	1040.6	1041.9	1040.6	1039.0	1037.7
7.5°	1032.3	1033.6	1033.6	1033.6	1033.6
10°	1022.5	1024.0	1024.0	1024.0	1024.0
12.5°	1008.8	1010.2	1011.5	1012.9	1015.7
15°	988.2	992.2	994.9	1000.5	1003.2
17.5°	967.5	971.5	975.8	982.6	988.2
20°	944.0	946.8	953.8	961.9	967.5
22.5°	917.8	922.0	928.9	939.9	948.2
25°	887.6	893.0	902.6	917.8	924.7
27.5°	858.7	862.7	875.0	891.6	901.3
30°	824.1	829.6	844.9	865.4	875.0
32.5°	789.8	796.5	813.1	836.6	847.6
35°	753.8	762.1	781.4	806.2	820.0
37.5°	718.0	726.3	748.4	775.9	791.0
40°	680.9	689.0	714.0	744.2	760.7
42.5°	642.2	651.8	679.3	714.0	733.2
45°	603.5	613.3	643.6	682.2	702.9
47.5°	563.7	574.7	607.8	650.5	671.1
50°	523.7	536.1	573.3	617.4	638.2
52.5°	483.6	497.5	537.5	583.0	605.1
55°	445.1	460.3	503.0	548.4	569.1
57.5°	403.8	421.7	467.1	511.3	534.8
60°	365.3	384.5	431.5	475.5	500.2
62.5°	326.6	347.2	396.8	441.1	464.4
65°	289.5	310.0	359.7	405.1	428.6
67.5°	252.1	275.6	323.9	369.3	392.8
70°	216.3	241.1	287.9	332.2	355.6
72.5°	181.9	206.7	253.6	295.0	308.7
75°	147.6	172.3	216.3	241.1	249.4
77.5°	115.7	139.2	177.8	193.0	204.0
80°	86.8	107.4	134.9	144.7	146.0
82.5°	59.2	77.2	93.8	95.1	93.8
85°	35.8	45.4	51.0	48.1	45.4
87.5°	16.6	17.9	16.6	11.0	6.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)