

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: P798383

Luminaire Tested: 22CZSB-SCT3-SQP-UNV-HIGH-3000K

Issue Date: 3/20/2024

Test Information

Test Method: LM-79-2019
Report Number: P798383
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P25713)
Test Lab: INNOVATION CENTER
Issue Date: 3/20/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 22CZSB-SCT3-SQP-UNV-HIGH-3000K
Description: Cruze SB Selectable Troffer
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

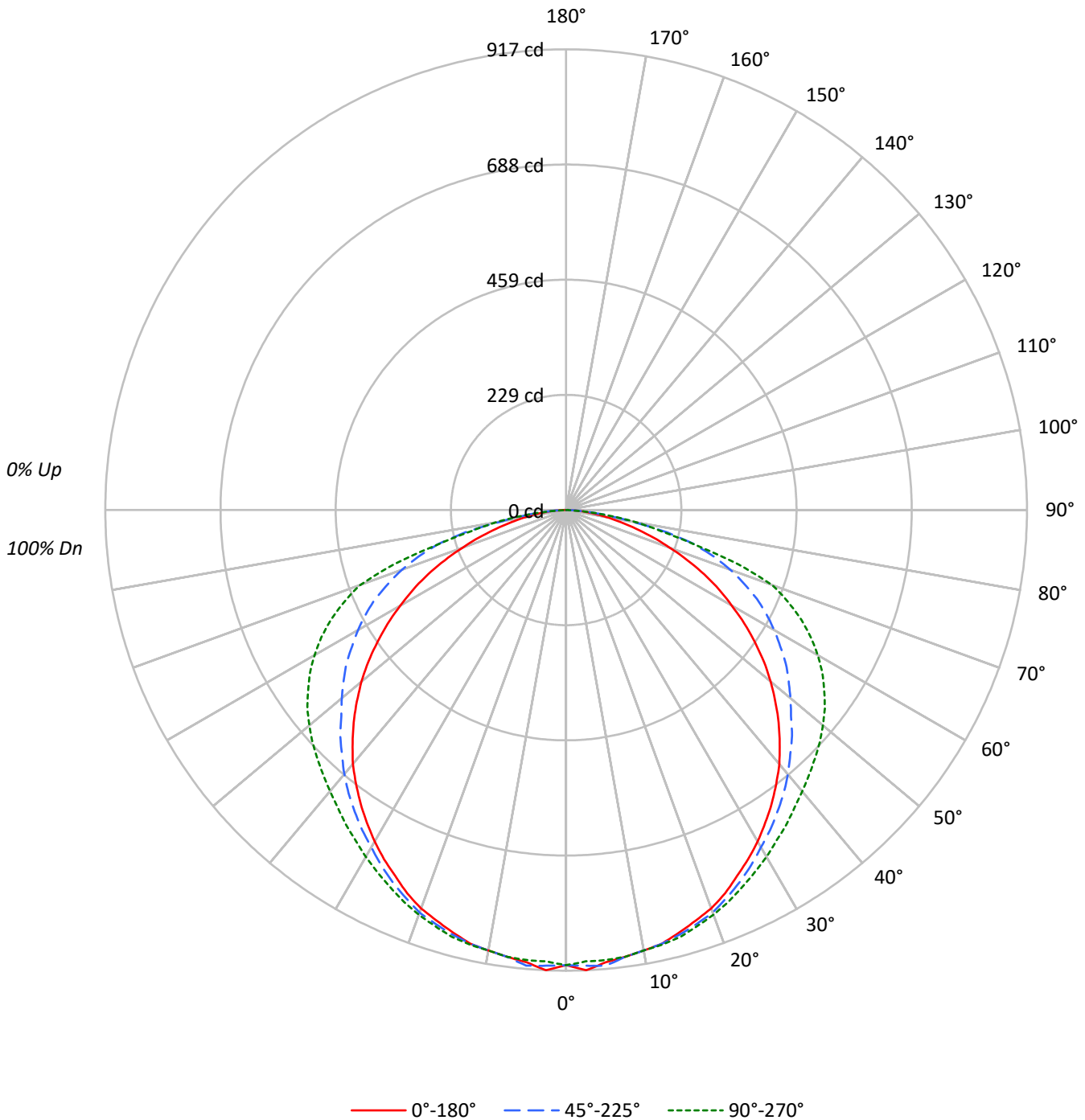
Lumens per Lamp: N/A
Luminaire Lumens: 2852.0 lumens
Efficiency: N/A
Efficacy: 78.4 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.31 / 1.41
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 36.4
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	100	100	100	100
1	108	103	99	95	105	101	97	93	97	93	90	93	90	87	89	87	85	83	83	83	83
2	98	89	82	76	95	87	81	75	84	78	73	80	76	71	77	73	70	68	68	68	68
3	89	78	69	62	86	76	68	62	73	66	61	70	64	59	68	63	58	56	56	56	56
4	81	68	59	52	79	67	58	52	64	57	51	62	56	50	60	54	50	47	47	47	47
5	74	61	52	45	72	60	51	44	58	50	44	56	49	43	54	48	43	41	41	41	41
6	68	55	45	39	66	54	45	39	52	44	38	50	43	38	48	42	37	35	35	35	35
7	63	49	40	34	62	49	40	34	47	39	34	45	39	33	44	38	33	31	31	31	31
8	59	45	36	30	57	44	36	30	43	35	30	42	35	30	40	34	29	28	28	28	28
9	55	41	33	27	54	41	33	27	39	32	27	38	32	27	37	31	27	25	25	25	25
10	51	38	30	24	50	37	30	24	36	29	24	35	29	24	35	28	24	22	22	22	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2438	2438	2438
5°	2441	2459	2429
10°	2433	2433	2433
15°	2425	2437	2450
20°	2417	2442	2454
25°	2387	2426	2460
30°	2367	2409	2477
35°	2343	2408	2510
40°	2318	2412	2567
45°	2276	2419	2664
50°	2225	2439	2792
55°	2151	2504	2941
60°	2049	2574	3111
65°	1931	2667	3286
70°	1725	2737	3434
75°	1495	2741	2719
80°	1268	2025	2196
85°	1093	1368	1235

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 70°
 Luminance: 3434 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.0	3.0
10°-20°	247.0	8.7
20°-30°	376.4	13.2
30°-40°	460.6	16.1
40°-50°	495.6	17.4
50°-60°	480.0	16.8
60°-70°	406.6	14.3
70°-80°	245.8	8.6
80°-90°	54.0	1.9
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°	709.4	24.9
0°-40°	1170.0	41.0
0°-60°	2145.6	75.2
0°-90°	2852.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2852.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	906	906	906	906	906	
5°	904	904	910	906	899	86
15°	870	872	875	877	879	246
25°	804	808	817	824	828	371
35°	713	718	733	753	764	446
45°	598	609	636	676	700	461
55°	458	478	534	596	627	410
65°	303	336	419	485	516	299
75°	144	195	264	268	262	155
85°	35	42	44	42	40	40
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	905.9	905.9	905.9	905.9	905.9
2.5°	916.9	914.8	908.0	903.6	899.3
5°	903.6	903.6	910.3	905.9	899.3
7.5°	897.0	897.0	897.0	908.0	897.0
10°	890.4	892.4	890.4	899.3	890.4
12.5°	883.7	883.7	883.7	886.0	886.0
15°	870.5	872.5	874.8	877.1	879.4
17.5°	857.0	859.5	863.8	865.9	868.2
20°	843.9	846.0	852.7	852.7	857.0
22.5°	826.1	826.1	835.0	837.1	843.9
25°	804.0	808.5	817.2	824.1	828.4
27.5°	784.1	788.6	797.3	806.2	812.9
30°	761.9	766.2	775.2	788.6	797.3
32.5°	737.7	742.0	755.3	770.8	779.7
35°	713.2	717.8	733.1	753.2	764.2
37.5°	686.7	693.3	710.9	733.1	746.4
40°	660.0	666.8	686.7	710.9	730.8
42.5°	628.9	637.8	660.0	693.3	715.3
45°	598.0	609.0	635.7	675.5	699.9
47.5°	564.8	575.8	606.9	657.9	684.4
50°	531.5	545.0	582.5	637.8	666.8
52.5°	496.1	509.5	558.0	617.9	649.0
55°	458.5	478.2	533.8	595.9	626.8
57.5°	420.8	443.0	505.0	571.5	604.6
60°	380.8	407.4	478.2	545.0	578.1
62.5°	343.3	371.9	449.6	516.1	549.1
65°	303.3	336.5	418.8	485.1	516.1
67.5°	261.5	303.3	383.3	447.4	478.2
70°	219.2	267.9	347.9	407.4	436.4
72.5°	181.7	232.5	307.9	358.9	358.9
75°	143.8	194.8	263.6	267.9	261.5
77.5°	110.9	159.5	206.0	188.1	192.7
80°	81.8	121.8	130.7	137.4	141.7
82.5°	55.3	81.8	84.3	88.7	88.7
85°	35.4	42.1	44.3	42.1	40.0
87.5°	15.5	17.6	13.5	8.9	6.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)