

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: P798385

Luminaire Tested: 22CZSB-SCT3-SQP-UNV-HIGH-4000K

Issue Date: 3/20/2024

Test Information

Test Method: LM-79-2019
Report Number: P798385
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-4000K
Description: Cruze SB Selectable Troffer
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

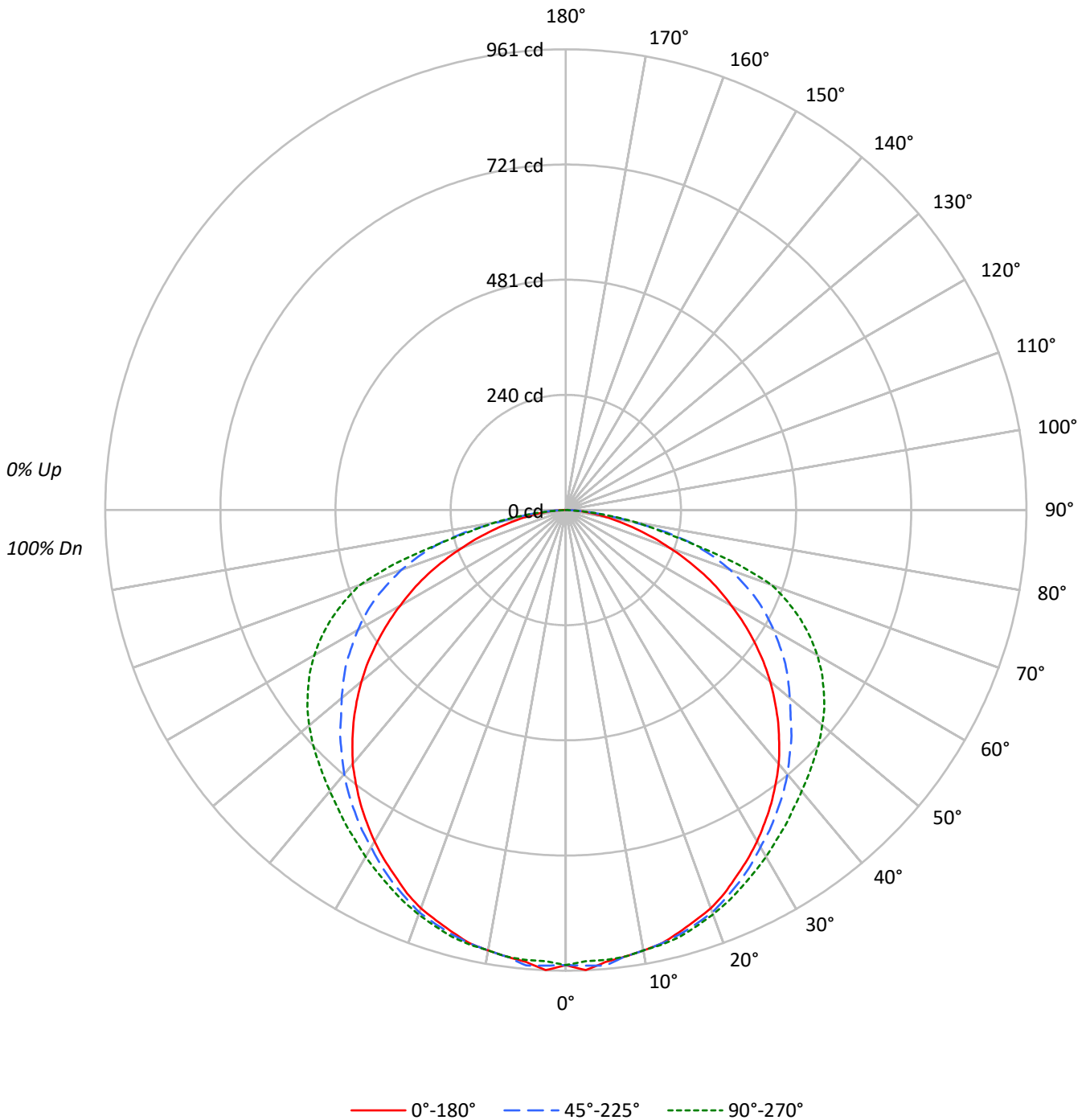
Lumens per Lamp: N/A
Luminaire Lumens: 2988.1 lumens
Efficiency: N/A
Efficacy: 82.3 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.31 / 1.41
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 36.3
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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	108	103	99	95	105	101	97	93	97	93	90	93	90	87	89	87	85	83
2	98	89	82	76	95	87	81	75	84	78	73	80	76	71	77	73	70	68
3	89	78	69	62	86	76	68	62	73	66	61	70	64	59	68	63	58	56
4	81	68	59	52	79	67	58	52	64	57	51	62	56	50	60	54	50	47
5	74	61	52	45	72	60	51	44	58	50	44	56	49	43	54	48	43	41
6	68	55	45	39	66	54	45	39	52	44	38	50	43	38	48	42	37	35
7	63	49	40	34	62	49	40	34	47	39	34	45	39	33	44	38	33	31
8	59	45	36	30	57	44	36	30	43	35	30	42	35	30	40	34	29	28
9	55	41	33	27	54	41	33	27	39	32	27	38	32	27	37	31	27	25
10	51	38	30	24	50	37	30	24	36	29	24	35	29	24	35	28	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2554	2554	2554
5°	2557	2576	2545
10°	2549	2549	2549
15°	2541	2554	2567
20°	2532	2558	2571
25°	2501	2542	2577
30°	2480	2523	2596
35°	2455	2523	2630
40°	2429	2527	2690
45°	2384	2535	2791
50°	2331	2555	2925
55°	2254	2624	3081
60°	2147	2696	3260
65°	2024	2793	3443
70°	1807	2868	3597
75°	1567	2871	2849
80°	1330	2123	2301
85°	1145	1436	1294

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 70°

Luminance: 3597 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.1	3.0
10°-20°	258.8	8.7
20°-30°	394.4	13.2
30°-40°	482.6	16.1
40°-50°	519.2	17.4
50°-60°	502.9	16.8
60°-70°	426.0	14.3
70°-80°	257.5	8.6
80°-90°	56.6	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°	743.3	24.9
0°-40°	1225.8	41.0
0°-60°	2247.9	75.2
0°-90°	2988.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2988.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	949	949	949	949	949	
5°	947	947	954	949	942	90
15°	912	914	917	919	921	258
25°	842	847	856	863	868	389
35°	747	752	768	789	801	467
45°	626	638	666	708	733	483
55°	480	501	559	624	657	429
65°	318	353	439	508	541	313
75°	151	204	276	281	274	162
85°	37	44	46	44	42	42
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	949.1	949.1	949.1	949.1	949.1
2.5°	960.6	958.5	951.3	946.7	942.2
5°	946.7	946.7	953.7	949.1	942.2
7.5°	939.8	939.8	939.8	951.3	939.8
10°	932.8	935.0	932.8	942.2	932.8
12.5°	925.9	925.9	925.9	928.3	928.3
15°	912.0	914.2	916.6	919.0	921.3
17.5°	897.9	900.5	905.1	907.2	909.6
20°	884.2	886.4	893.3	893.3	897.9
22.5°	865.5	865.5	874.9	877.1	884.2
25°	842.3	847.1	856.2	863.4	867.9
27.5°	821.5	826.3	835.4	844.7	851.7
30°	798.2	802.8	812.1	826.3	835.4
32.5°	772.8	777.4	791.3	807.6	816.9
35°	747.2	752.0	768.1	789.1	800.6
37.5°	719.4	726.4	744.8	768.1	782.0
40°	691.4	698.6	719.4	744.8	765.7
42.5°	658.9	668.2	691.4	726.4	749.4
45°	626.5	638.0	666.0	707.7	733.3
47.5°	591.8	603.3	635.9	689.3	717.1
50°	556.8	571.0	610.2	668.2	698.6
52.5°	519.7	533.8	584.6	647.4	679.9
55°	480.4	501.0	559.2	624.4	656.7
57.5°	440.9	464.1	529.1	598.7	633.5
60°	399.0	426.8	501.0	571.0	605.7
62.5°	359.7	389.7	471.1	540.8	575.3
65°	317.8	352.6	438.7	508.2	540.8
67.5°	274.0	317.8	401.6	468.7	501.0
70°	229.7	280.7	364.5	426.8	457.2
72.5°	190.4	243.6	322.6	376.0	376.0
75°	150.7	204.1	276.1	280.7	274.0
77.5°	116.1	167.2	215.8	197.1	201.9
80°	85.8	127.7	137.0	143.9	148.5
82.5°	58.0	85.8	88.4	92.9	92.9
85°	37.1	44.1	46.5	44.1	41.9
87.5°	16.3	18.5	14.1	9.3	6.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)