

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: P798048

Luminaire Tested: 22CZSB-SCT3-UNV-LOW-3000K

Issue Date: 3/16/2024

Test Information

Test Method: LM-79-2019
Report Number: P798048
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-3000K
Description: Cruze SB Selectable Troffer
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

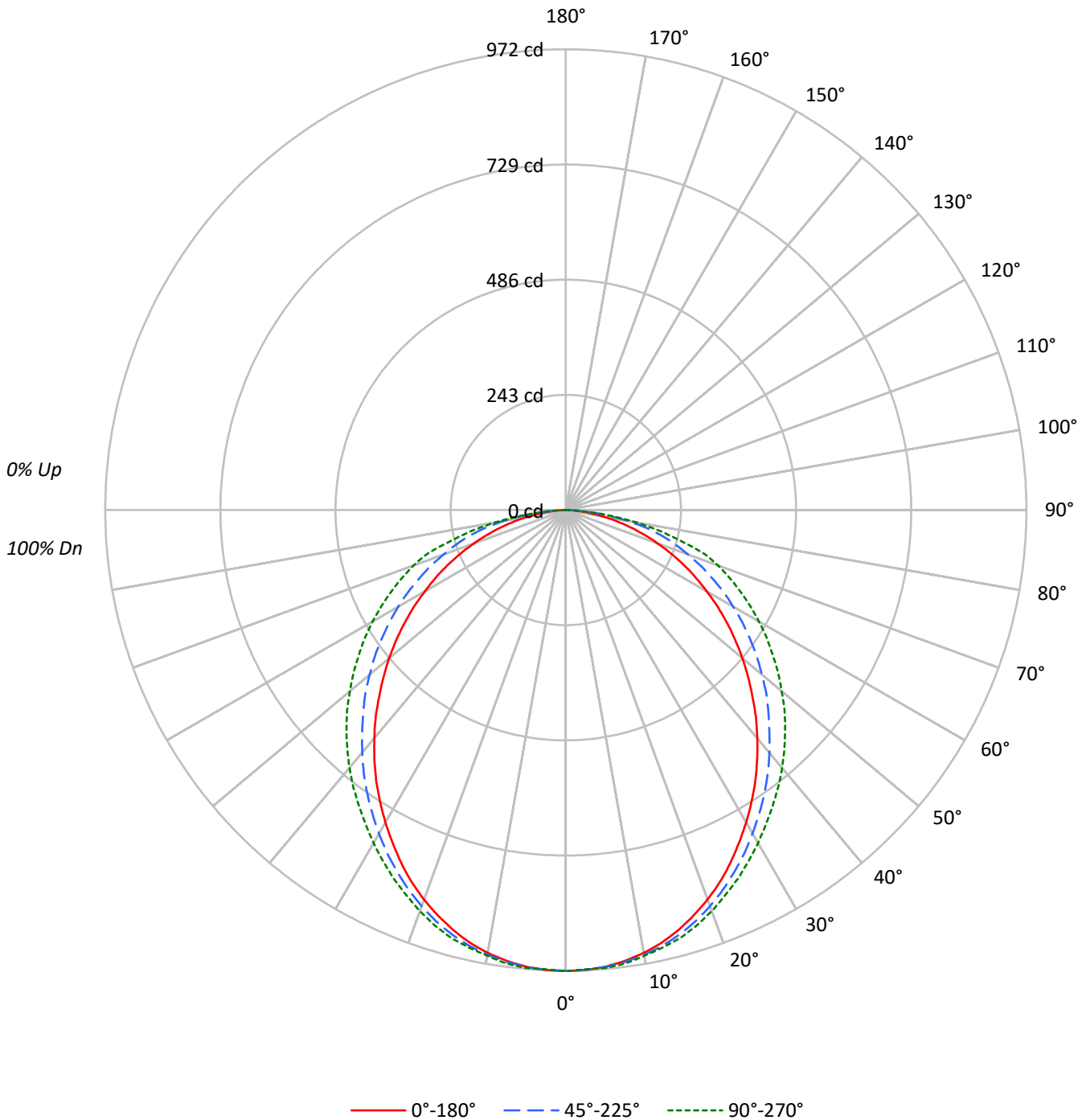
Lumens per Lamp: N/A
Luminaire Lumens: 2693.0 lumens
Efficiency: N/A
Efficacy: 134.7 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.24 / 1.33
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 20
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	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°	2617	2617	2617
5°	2612	2614	2620
10°	2593	2603	2609
15°	2556	2584	2603
20°	2505	2547	2578
25°	2440	2500	2549
30°	2366	2449	2521
35°	2291	2400	2501
40°	2209	2348	2494
45°	2120	2300	2491
50°	2038	2262	2489
55°	1948	2227	2501
60°	1847	2196	2534
65°	1751	2171	2585
70°	1627	2160	2688
75°	1475	2184	2596
80°	1254	2046	2335
85°	1037	1581	1513

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 72.5°
 Luminance: 2737 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.9	3.4
10°-20°	261.2	9.7
20°-30°	387.4	14.4
30°-40°	456.6	17.0
40°-50°	467.4	17.4
50°-60°	424.2	15.8
60°-70°	337.0	12.5
70°-80°	212.0	7.9
80°-90°	55.4	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°	740.5	27.5
0°-40°	1197.1	44.5
0°-60°	2088.7	77.6
0°-90°	2693.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2693.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	972	972	972	972	972	
5°	967	968	968	969	970	92
15°	918	922	927	933	934	258
25°	822	828	842	855	859	378
35°	698	707	730	752	761	436
45°	557	571	604	641	655	430
55°	415	431	475	516	533	371
65°	275	293	341	386	406	272
75°	142	162	210	239	250	150
85°	34	42	51	47	49	40
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	972.5	972.5	972.5	972.5	972.5
2.5°	971.4	972.5	970.9	970.3	969.8
5°	967.0	968.1	967.6	968.7	969.8
7.5°	959.3	960.9	961.5	963.1	964.8
10°	948.8	951.6	952.7	954.3	954.9
12.5°	935.1	939.5	941.7	944.4	945.5
15°	917.5	922.4	927.4	932.9	934.5
17.5°	897.1	902.1	909.8	917.5	919.1
20°	874.6	879.5	889.4	897.7	900.4
22.5°	849.8	854.8	866.9	876.8	879.5
25°	821.8	828.4	842.1	854.8	858.6
27.5°	791.5	799.2	816.3	830.6	835.0
30°	761.3	769.0	788.2	805.3	811.3
32.5°	729.4	738.7	759.6	779.4	786.0
35°	697.5	706.8	730.5	752.5	761.3
37.5°	663.4	673.3	700.2	725.5	736.5
40°	628.7	639.2	668.3	698.0	710.1
42.5°	594.1	605.6	635.9	670.0	682.6
45°	557.2	571.0	604.5	640.8	654.6
47.5°	521.5	535.8	573.7	611.7	626.0
50°	486.8	500.6	540.2	580.3	594.6
52.5°	451.0	464.8	508.3	549.5	564.9
55°	415.3	430.7	474.7	516.5	533.0
57.5°	380.1	395.5	441.7	484.6	502.8
60°	343.2	360.8	408.1	452.1	470.8
62.5°	309.7	326.7	375.7	419.1	438.4
65°	275.0	292.6	341.0	385.6	405.9
67.5°	240.4	259.6	309.1	352.6	374.0
70°	206.8	226.6	274.5	319.6	341.6
72.5°	174.4	194.2	242.6	285.5	305.8
75°	141.9	161.7	210.1	238.7	249.7
77.5°	110.6	130.9	174.9	190.3	203.0
80°	80.9	100.1	132.0	144.1	150.7
82.5°	55.6	71.0	91.9	93.0	96.8
85°	33.6	41.8	51.2	47.3	49.0
87.5°	16.0	16.0	16.5	9.9	8.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)