

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: P798391

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

Issue Date: 3/20/2024

Test Information

Test Method: LM-79-2019
Report Number: P798391
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-MID-4000K
Description: Cruze SB Selectable Troffer
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

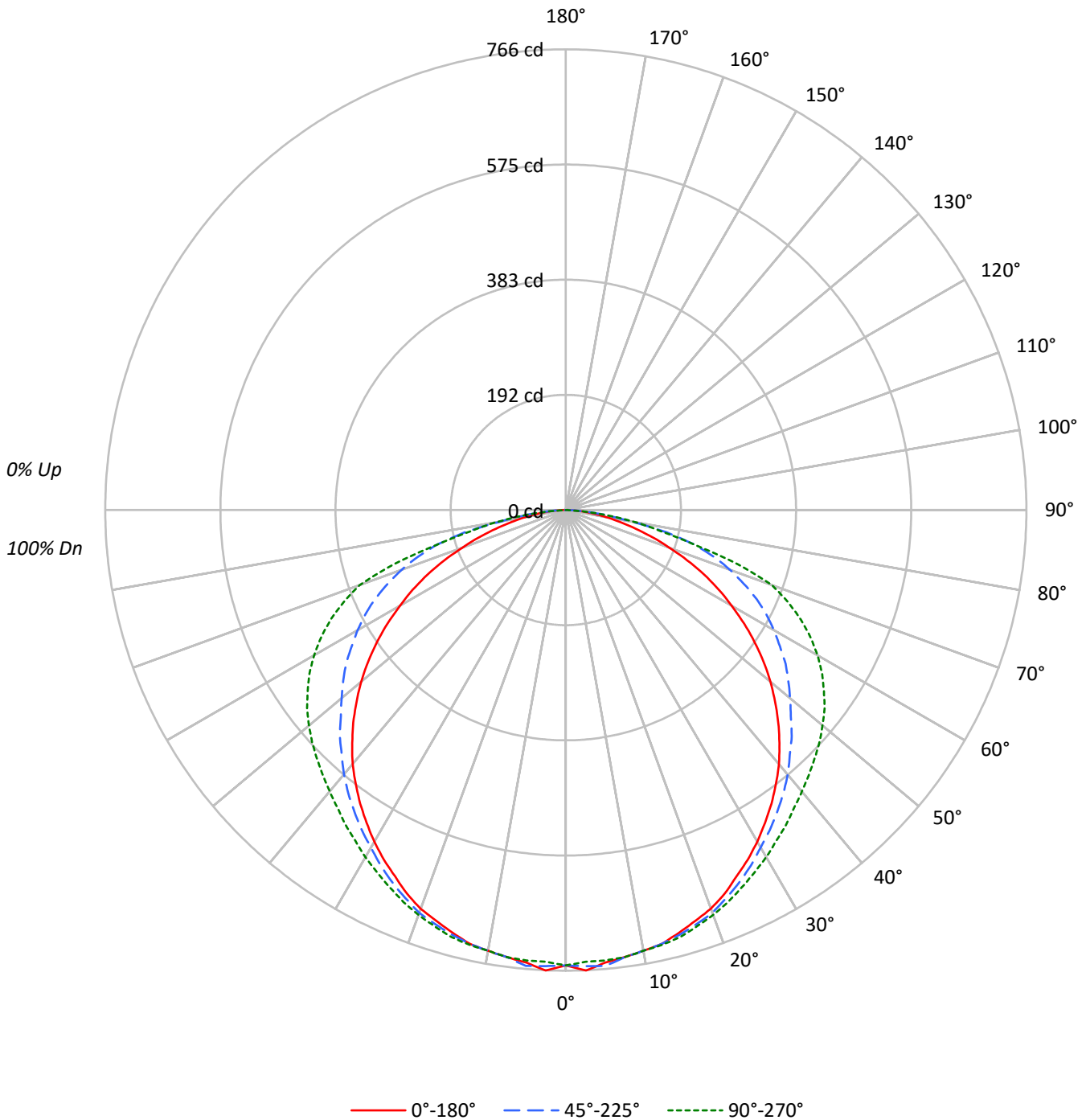
Lumens per Lamp: N/A
Luminaire Lumens: 2383.9 lumens
Efficiency: N/A
Efficacy: 86.1 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.31 / 1.41
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 27.7
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	103	99	95	105	101	97	93	97	93	90	93	90	87	89	87	85	85	85	85	83
2	98	89	82	76	95	87	81	75	84	78	73	80	76	71	77	73	70	70	70	70	68
3	89	78	69	62	86	76	68	62	73	66	61	70	64	59	68	63	58	58	58	58	56
4	81	68	59	52	79	67	58	52	64	57	51	62	56	50	60	54	50	50	50	50	47
5	74	61	52	45	72	60	51	44	58	50	44	56	49	43	54	48	43	43	43	43	41
6	68	55	45	39	66	54	45	39	52	44	38	50	43	38	48	42	37	37	37	37	35
7	63	49	40	34	62	49	40	34	47	39	34	45	39	33	44	38	33	33	33	33	31
8	59	45	36	30	57	44	36	30	43	35	30	42	35	30	40	34	29	29	29	29	28
9	55	41	33	27	54	41	33	27	39	32	27	38	32	27	37	31	27	27	27	27	25
10	51	38	30	24	50	37	30	24	36	29	24	35	29	24	35	28	24	24	24	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2038	2038	2038
5°	2040	2055	2031
10°	2034	2034	2034
15°	2027	2037	2048
20°	2020	2041	2051
25°	1995	2028	2056
30°	1979	2013	2071
35°	1958	2013	2099
40°	1938	2016	2146
45°	1902	2022	2227
50°	1860	2038	2334
55°	1798	2093	2458
60°	1713	2151	2601
65°	1615	2229	2747
70°	1441	2288	2870
75°	1250	2290	2273
80°	1060	1694	1836
85°	914	1145	1031

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 70°
 Luminance: 2870 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.9	3.0
10°-20°	206.5	8.7
20°-30°	314.6	13.2
30°-40°	385.0	16.1
40°-50°	414.2	17.4
50°-60°	401.2	16.8
60°-70°	339.9	14.3
70°-80°	205.5	8.6
80°-90°	45.2	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°	593.0	24.9
0°-40°	978.0	41.0
0°-60°	1793.4	75.2
0°-90°	2383.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2383.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	757	757	757	757	757	
5°	755	755	761	757	752	72
15°	728	729	731	733	735	205
25°	672	676	683	689	692	310
35°	596	600	613	630	639	373
45°	500	509	531	565	585	385
55°	383	400	446	498	524	342
65°	254	281	350	406	431	250
75°	120	163	220	224	219	129
85°	30	35	37	35	33	33
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	757.2	757.2	757.2	757.2	757.2
2.5°	766.4	764.7	759.0	755.3	751.7
5°	755.3	755.3	760.9	757.2	751.7
7.5°	749.8	749.8	749.8	759.0	749.8
10°	744.2	746.0	744.2	751.7	744.2
12.5°	738.7	738.7	738.7	740.6	740.6
15°	727.6	729.3	731.2	733.1	735.1
17.5°	716.3	718.4	722.1	723.8	725.7
20°	705.4	707.2	712.7	712.7	716.3
22.5°	690.5	690.5	698.0	699.7	705.4
25°	672.0	675.8	683.1	688.8	692.4
27.5°	655.4	659.2	666.5	673.9	679.5
30°	636.8	640.5	647.9	659.2	666.5
32.5°	616.6	620.2	631.3	644.3	651.7
35°	596.1	600.0	612.8	629.6	638.8
37.5°	574.0	579.5	594.2	612.8	623.9
40°	551.6	557.4	574.0	594.2	610.9
42.5°	525.7	533.1	551.6	579.5	597.9
45°	499.8	509.0	531.4	564.6	585.1
47.5°	472.1	481.3	507.3	549.9	572.1
50°	444.3	455.5	486.9	533.1	557.4
52.5°	414.6	425.9	466.4	516.5	542.5
55°	383.3	399.7	446.2	498.1	523.9
57.5°	351.8	370.3	422.1	477.7	505.4
60°	318.3	340.5	399.7	455.5	483.2
62.5°	287.0	310.9	375.8	431.4	459.0
65°	253.6	281.3	350.0	405.5	431.4
67.5°	218.6	253.6	320.4	373.9	399.7
70°	183.2	223.9	290.8	340.5	364.8
72.5°	151.9	194.3	257.4	300.0	300.0
75°	120.2	162.8	220.3	223.9	218.6
77.5°	92.7	133.4	172.2	157.3	161.1
80°	68.4	101.8	109.3	114.8	118.5
82.5°	46.2	68.4	70.5	74.1	74.1
85°	29.6	35.2	37.1	35.2	33.4
87.5°	13.0	14.7	11.3	7.4	5.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)