

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



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: P798082

Luminaire Tested: 24CZSB-SCT3-UNV-HIGH-3500K

Issue Date: 3/16/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P798082  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2307-102-26)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/16/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 24CZSB-SCT3-UNV-HIGH-3500K  
Description: Cruze SB Selectable Troffer  
Light Source: 3500K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

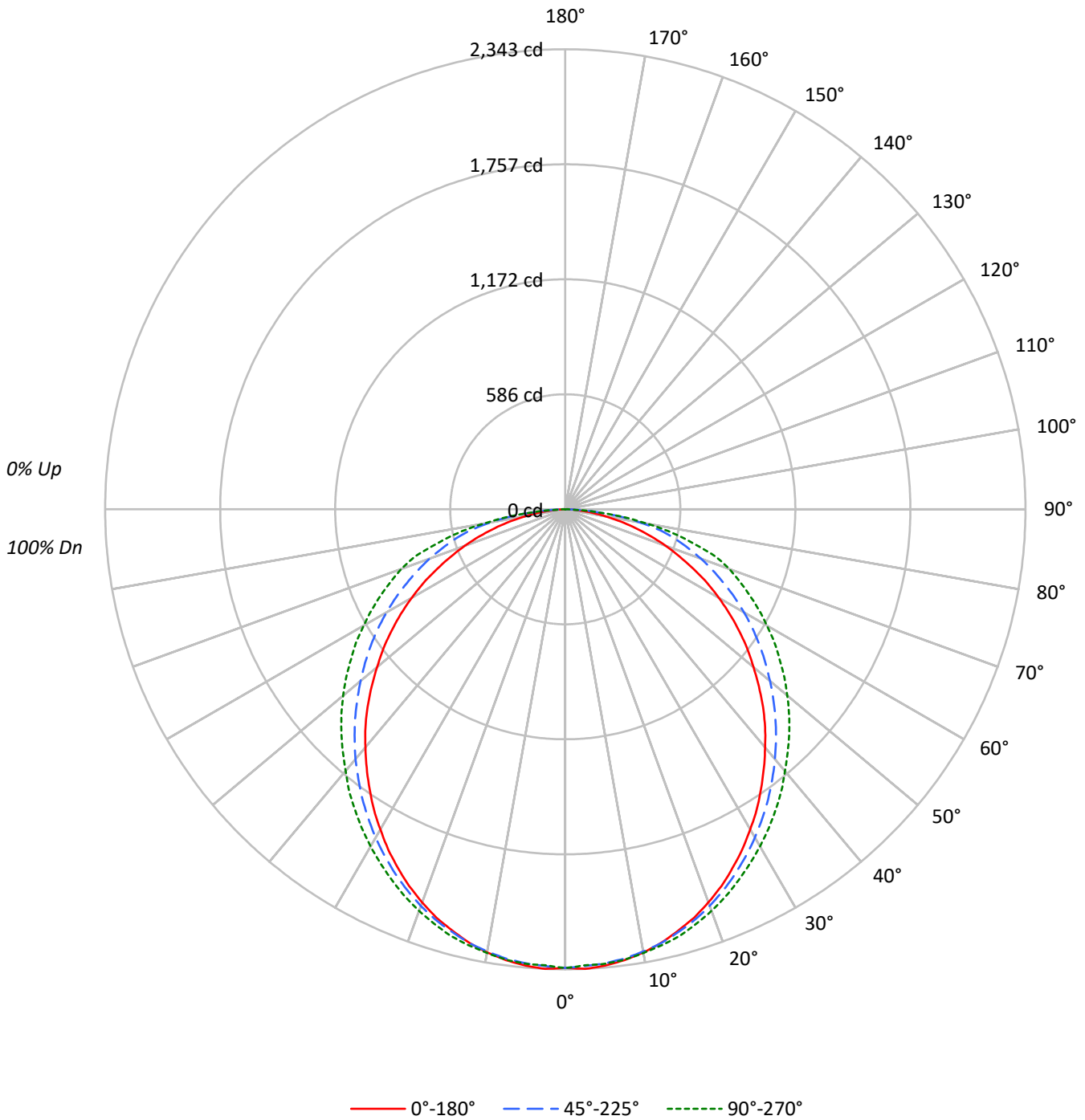
Lumens per Lamp: N/A  
Luminaire Lumens: 6807.1 lumens  
Efficiency: N/A  
Efficacy: 140.4 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.26 / 1.36  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 48.5  
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	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	94	105	101	97	93	97	93	90	93	90	87	89	87	85	82
2	98	89	82	76	95	87	81	75	84	78	74	81	76	72	77	74	70	68
3	89	78	70	63	87	77	69	62	74	67	61	71	65	60	68	63	59	57
4	81	69	60	53	79	68	59	53	65	58	52	63	56	51	61	55	51	48
5	75	62	52	46	73	60	52	45	58	51	45	56	50	44	54	49	44	42
6	69	55	46	40	67	54	46	40	53	45	39	51	44	39	49	43	38	36
7	64	50	41	35	62	49	41	35	48	40	35	46	40	34	45	39	34	32
8	60	46	37	31	58	45	37	31	44	36	31	43	36	31	41	35	31	29
9	56	42	34	28	54	41	33	28	40	33	28	39	33	28	38	32	28	26
10	52	39	31	25	51	38	31	25	37	30	25	36	30	25	35	29	25	23

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	3143	3143	3143
5°	3151	3135	3139
10°	3131	3124	3135
15°	3095	3105	3134
20°	3051	3078	3117
25°	2993	3040	3097
30°	2925	3000	3081
35°	2855	2958	3068
40°	2780	2917	3056
45°	2710	2881	3069
50°	2619	2847	3090
55°	2536	2834	3125
60°	2430	2828	3189
65°	2295	2833	3298
70°	2148	2891	3497
75°	1934	3010	3530
80°	1635	3006	3301
85°	1266	2439	2424

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 72.5°  
 Luminance: 3597 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	220.9	3.2
10°-20°	629.9	9.3
20°-30°	944.5	13.9
30°-40°	1128.4	16.6
40°-50°	1171.3	17.2
50°-60°	1081.7	15.9
60°-70°	879.0	12.9
70°-80°	581.6	8.5
80°-90°	169.7	2.5
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°	1795.4	26.4
0°-40°	2923.7	43.0
0°-60°	5176.7	76.0
0°-90°	6807.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6807.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2336	2336	2336	2336	2336	
5°	2333	2327	2321	2327	2324	221
15°	2222	2220	2229	2250	2250	627
25°	2016	2023	2048	2079	2086	928
35°	1738	1760	1801	1850	1868	1087
45°	1424	1451	1514	1588	1613	1097
55°	1081	1119	1208	1303	1332	966
65°	721	778	890	1000	1036	715
75°	372	449	579	665	679	395
85°	82	142	158	157	157	99
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2335.9	2335.9	2335.9	2335.9	2335.9
2.5°	2342.9	2336.9	2328.9	2335.9	2324.9
5°	2332.9	2326.9	2320.9	2326.9	2323.9
7.5°	2315.9	2310.9	2307.9	2315.9	2313.9
10°	2291.9	2285.9	2286.9	2297.9	2294.9
12.5°	2260.9	2257.9	2261.9	2274.9	2273.9
15°	2221.9	2219.9	2228.9	2249.9	2249.9
17.5°	2180.9	2178.9	2192.9	2213.9	2214.9
20°	2130.9	2132.9	2149.9	2170.9	2176.9
22.5°	2076.9	2079.9	2100.9	2124.9	2133.9
25°	2015.9	2022.9	2047.9	2078.9	2085.9
27.5°	1952.9	1961.9	1990.9	2025.9	2034.9
30°	1882.9	1894.9	1930.9	1970.9	1982.9
32.5°	1813.9	1831.9	1866.9	1911.9	1926.9
35°	1737.9	1759.9	1800.9	1849.9	1867.9
37.5°	1661.0	1686.0	1730.9	1786.9	1807.9
40°	1583.0	1610.0	1661.0	1719.9	1739.9
42.5°	1506.0	1533.0	1588.0	1654.0	1676.0
45°	1424.0	1451.0	1514.0	1588.0	1613.0
47.5°	1337.0	1371.0	1437.0	1521.0	1546.0
50°	1251.0	1288.0	1360.0	1448.0	1476.0
52.5°	1168.0	1204.0	1285.0	1377.0	1406.0
55°	1081.0	1119.0	1208.0	1303.0	1332.0
57.5°	993.0	1035.0	1130.0	1228.0	1263.0
60°	903.0	950.0	1051.0	1152.0	1185.0
62.5°	817.0	863.0	971.0	1076.0	1112.0
65°	721.0	778.0	890.0	1000.0	1036.0
67.5°	630.0	693.0	812.0	925.0	961.0
70°	546.0	613.0	735.0	847.0	889.0
72.5°	457.0	529.0	655.0	768.0	804.0
75°	372.0	449.0	579.0	665.0	679.0
77.5°	290.0	371.0	496.0	551.0	564.0
80°	211.0	297.0	388.0	429.0	426.0
82.5°	141.0	225.0	279.0	290.0	292.0
85°	82.0	142.0	158.0	157.0	157.0
87.5°	35.0	58.0	51.0	46.0	41.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)