

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: P798081

Luminaire Tested: 24CZSB-SCT3-UNV-HIGH-3000K

Issue Date: 3/16/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P798081  
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-3000K  
Description: Cruze SB Selectable Troffer  
Light Source: 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

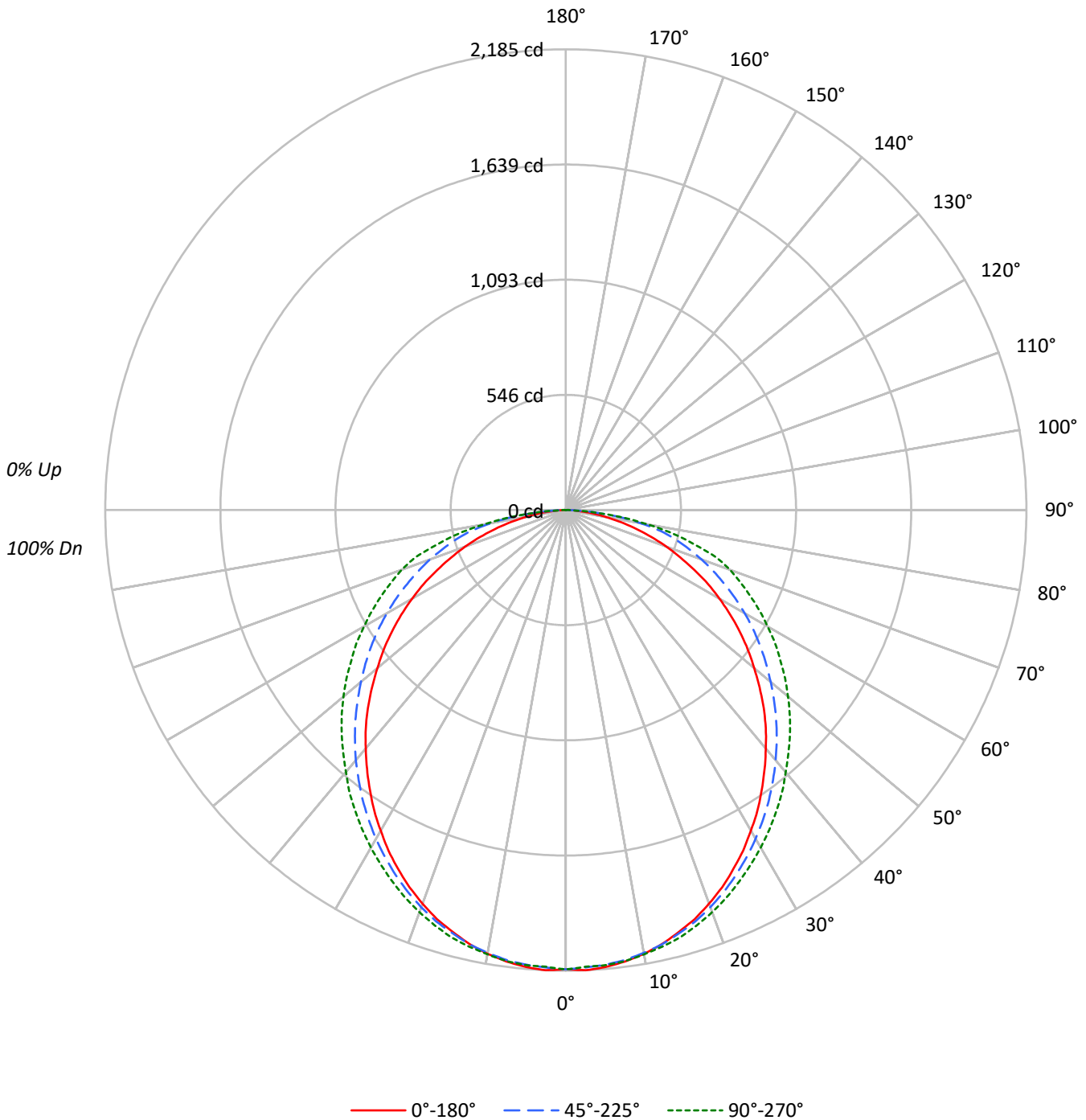
Lumens per Lamp: N/A  
Luminaire Lumens: 6348.0 lumens  
Efficiency: N/A  
Efficacy: 126.0 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.26 / 1.36  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 50.4  
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	102	102	102	100
1	108	103	99	94	105	101	97	93	97	93	90	93	90	87	89	87	85	85	85	85	82
2	98	89	82	76	95	87	81	75	84	78	74	81	76	72	77	74	70	70	70	70	68
3	89	78	70	63	87	77	69	62	74	67	61	71	65	60	68	63	59	59	59	59	57
4	81	69	60	53	79	68	59	53	65	58	52	63	56	51	61	55	51	51	51	51	48
5	75	62	52	46	73	60	52	45	58	51	45	56	50	44	54	49	44	44	44	44	42
6	69	55	46	40	67	54	46	40	53	45	39	51	44	39	49	43	38	38	38	38	36
7	64	50	41	35	62	49	41	35	48	40	35	46	40	34	45	39	34	34	34	34	32
8	60	46	37	31	58	45	37	31	44	36	31	43	36	31	41	35	31	31	31	31	29
9	56	42	34	28	54	41	33	28	40	33	28	39	33	28	38	32	28	28	28	28	26
10	52	39	31	25	51	38	31	25	37	30	25	36	30	25	35	29	25	25	25	25	23

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

	0°	45°	90°
0°	2931	2931	2931
5°	2938	2923	2927
10°	2920	2914	2924
15°	2886	2895	2923
20°	2845	2871	2907
25°	2791	2835	2888
30°	2728	2798	2873
35°	2662	2759	2861
40°	2593	2721	2850
45°	2527	2687	2862
50°	2442	2655	2881
55°	2365	2643	2914
60°	2266	2637	2974
65°	2141	2642	3076
70°	2003	2696	3261
75°	1803	2807	3292
80°	1525	2803	3078
85°	1181	2274	2260

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 72.5°  
 Luminance: 3355 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	206.0	3.2
10°-20°	587.4	9.3
20°-30°	880.9	13.9
30°-40°	1052.3	16.6
40°-50°	1092.3	17.2
50°-60°	1008.7	15.9
60°-70°	819.7	12.9
70°-80°	542.4	8.5
80°-90°	158.3	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°	1674.3	26.4
0°-40°	2726.6	43.0
0°-60°	4827.6	76.0
0°-90°	6348.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6348.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2178	2178	2178	2178	2178	
5°	2176	2170	2164	2170	2167	206
15°	2072	2070	2079	2098	2098	584
25°	1880	1886	1910	1939	1945	866
35°	1621	1641	1680	1725	1742	1014
45°	1328	1353	1412	1481	1504	1023
55°	1008	1044	1126	1215	1242	901
65°	672	726	830	932	966	667
75°	347	419	540	620	633	368
85°	76	132	147	146	146	92
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2178.4	2178.4	2178.4	2178.4	2178.4
2.5°	2184.9	2179.4	2171.9	2178.4	2168.2
5°	2175.6	2170.0	2164.4	2170.0	2167.2
7.5°	2159.8	2155.1	2152.3	2159.8	2157.9
10°	2137.4	2131.8	2132.7	2143.0	2140.2
12.5°	2108.5	2105.7	2109.4	2121.5	2120.6
15°	2072.1	2070.2	2078.6	2098.2	2098.2
17.5°	2033.9	2032.0	2045.1	2064.6	2065.6
20°	1987.2	1989.1	2005.0	2024.5	2030.1
22.5°	1936.9	1939.7	1959.3	1981.7	1990.0
25°	1880.0	1886.5	1909.8	1938.8	1945.3
27.5°	1821.3	1829.6	1856.7	1889.3	1897.7
30°	1756.0	1767.2	1800.7	1838.0	1849.2
32.5°	1691.6	1708.4	1741.1	1783.0	1797.0
35°	1620.8	1641.3	1679.5	1725.2	1742.0
37.5°	1549.0	1572.3	1614.2	1666.5	1686.0
40°	1476.2	1501.4	1549.0	1604.0	1622.6
42.5°	1404.4	1429.6	1480.9	1542.4	1562.9
45°	1327.9	1353.1	1411.9	1480.9	1504.2
47.5°	1246.8	1278.5	1340.1	1418.4	1441.7
50°	1166.6	1201.1	1268.3	1350.3	1376.4
52.5°	1089.2	1122.8	1198.3	1284.1	1311.2
55°	1008.1	1043.5	1126.5	1215.1	1242.1
57.5°	926.0	965.2	1053.8	1145.2	1177.8
60°	842.1	885.9	980.1	1074.3	1105.1
62.5°	761.9	804.8	905.5	1003.4	1037.0
65°	672.4	725.5	830.0	932.5	966.1
67.5°	587.5	646.3	757.2	862.6	896.2
70°	509.2	571.6	685.4	789.9	829.0
72.5°	426.2	493.3	610.8	716.2	749.8
75°	346.9	418.7	539.9	620.1	633.2
77.5°	270.4	346.0	462.5	513.8	526.0
80°	196.8	277.0	361.8	400.1	397.3
82.5°	131.5	209.8	260.2	270.4	272.3
85°	76.5	132.4	147.3	146.4	146.4
87.5°	32.6	54.1	47.6	42.9	38.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)