

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: P798117

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

Issue Date: 3/16/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P798117  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P25713)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/16/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 24CZSB-SCT3-SQP-UNV-HIGH-3000K  
Description: Cruze SB Selectable Troffer  
Light Source: 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

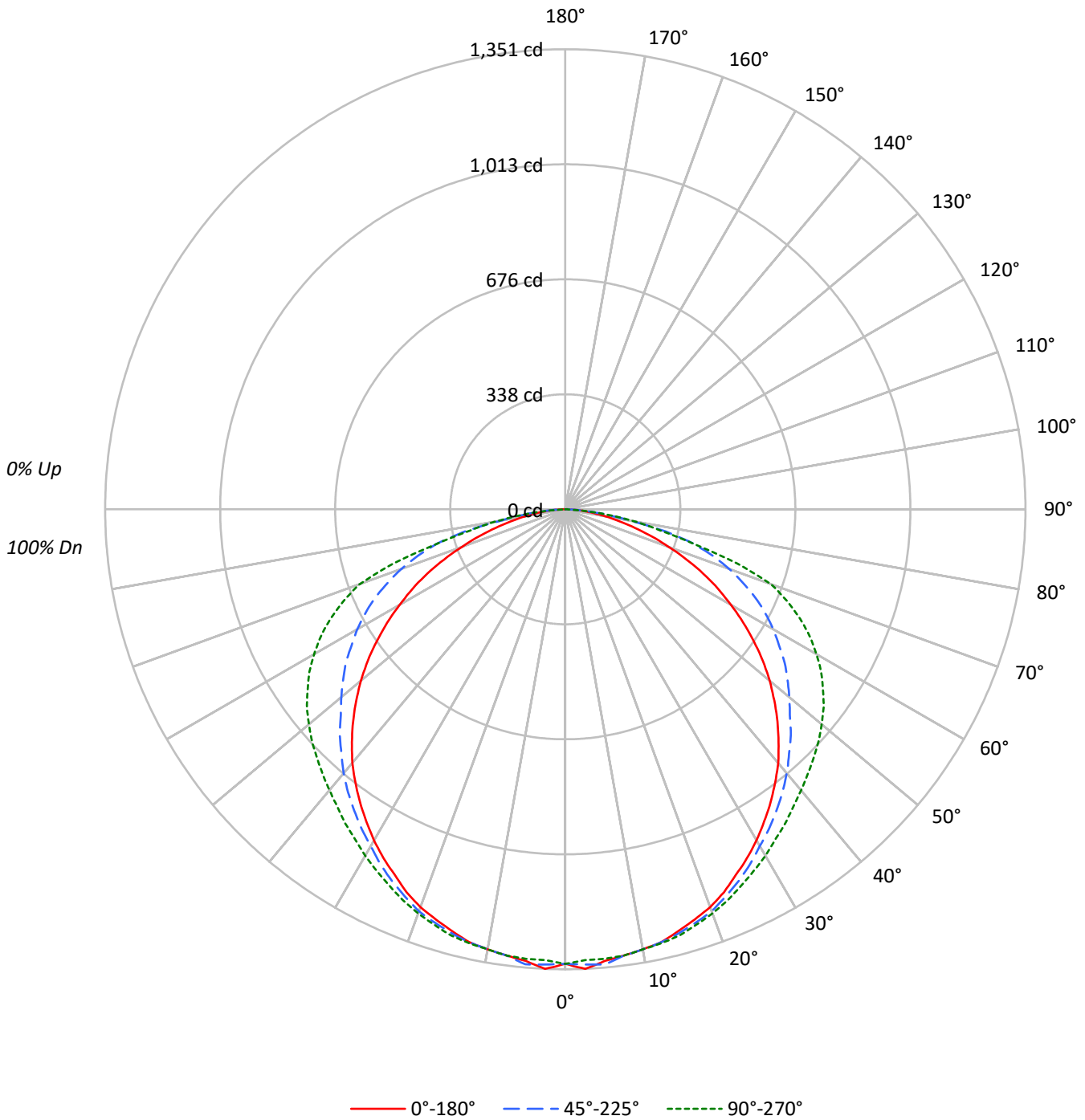
Lumens per Lamp: N/A  
Luminaire Lumens: 4202.7 lumens  
Efficiency: N/A  
Efficacy: 83.4 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.31 / 1.41  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

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				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°	1796	1796	1796
5°	1798	1812	1790
10°	1793	1793	1793
15°	1787	1796	1805
20°	1780	1799	1809
25°	1759	1788	1812
30°	1744	1775	1826
35°	1726	1774	1849
40°	1708	1777	1892
45°	1677	1782	1962
50°	1640	1797	2057
55°	1585	1845	2167
60°	1510	1897	2292
65°	1423	1964	2421
70°	1271	2016	2529
75°	1103	2019	2002
80°	934	1492	1619
85°	807	1010	906

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°

Vertical Angle: 70°

Luminance: 2529 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	126.7	3.0
10°-20°	364.0	8.7
20°-30°	554.7	13.2
30°-40°	678.7	16.1
40°-50°	730.3	17.4
50°-60°	707.4	16.8
60°-70°	599.2	14.3
70°-80°	362.2	8.6
80°-90°	79.6	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°	1045.4	24.9
0°-40°	1724.1	41.0
0°-60°	3161.7	75.2
0°-90°	4202.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4202.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1335	1335	1335	1335	1335	
5°	1332	1332	1341	1335	1325	127
15°	1283	1286	1289	1292	1296	362
25°	1185	1191	1204	1214	1221	547
35°	1051	1058	1080	1110	1126	657
45°	881	898	937	996	1031	679
55°	676	705	787	878	924	603
65°	447	496	617	715	760	440
75°	212	287	388	395	385	228
85°	52	62	65	62	59	59
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1334.8	1334.8	1334.8	1334.8	1334.8
2.5°	1351.0	1347.9	1338.3	1331.6	1325.2
5°	1331.6	1331.6	1341.4	1334.8	1325.2
7.5°	1321.6	1321.6	1321.6	1338.3	1321.6
10°	1312.1	1315.4	1312.1	1325.2	1312.1
12.5°	1302.3	1302.3	1302.3	1305.4	1305.4
15°	1282.7	1286.0	1289.1	1292.5	1295.8
17.5°	1263.1	1266.2	1272.9	1276.0	1279.3
20°	1243.5	1246.6	1256.6	1256.6	1263.1
22.5°	1217.3	1217.3	1230.4	1233.7	1243.5
25°	1184.8	1191.2	1204.4	1214.1	1220.6
27.5°	1155.4	1161.8	1175.0	1188.1	1197.9
30°	1122.7	1129.4	1142.3	1161.8	1175.0
32.5°	1086.9	1093.3	1112.9	1135.8	1148.7
35°	1050.8	1057.5	1080.2	1109.8	1126.0
37.5°	1011.9	1021.4	1047.7	1080.2	1100.0
40°	972.7	982.5	1011.9	1047.7	1077.1
42.5°	926.9	940.0	972.7	1021.4	1054.4
45°	881.2	897.7	936.6	995.6	1031.2
47.5°	832.3	848.5	894.1	969.4	1008.5
50°	783.3	802.9	858.3	940.0	982.5
52.5°	731.0	750.6	822.3	910.6	956.2
55°	675.6	705.0	786.7	877.9	923.7
57.5°	620.0	652.9	744.2	842.1	891.0
60°	561.2	600.6	705.0	802.9	851.9
62.5°	505.8	548.3	662.5	760.4	809.6
65°	447.1	496.3	616.9	714.8	760.4
67.5°	385.2	447.1	564.6	659.4	705.0
70°	323.1	395.0	512.5	600.6	642.9
72.5°	267.7	342.7	453.7	528.7	528.7
75°	212.1	287.3	388.3	395.0	385.2
77.5°	163.1	235.0	303.5	277.3	284.0
80°	120.6	179.6	192.5	202.3	209.0
82.5°	81.7	120.6	124.2	130.6	130.6
85°	52.3	61.9	65.4	61.9	58.7
87.5°	22.9	26.3	19.6	13.1	9.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)