

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: P798119

Luminaire Tested: 24CZSB-SCT3-SQP-UNV-HIGH-4000K

Issue Date: 3/16/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P798119  
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-4000K  
Description: Cruze SB Selectable Troffer  
Light Source: 4000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

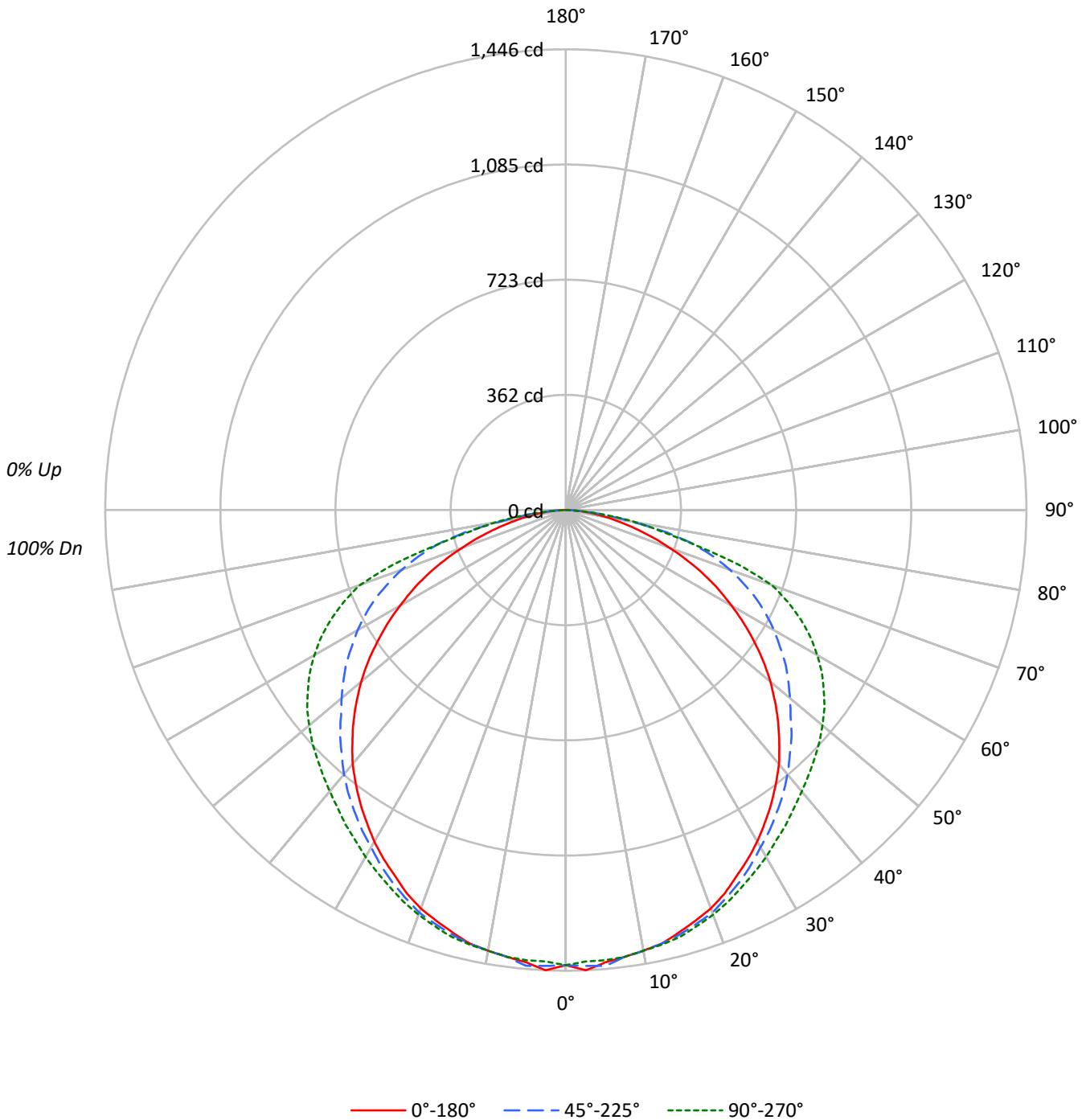
Lumens per Lamp: N/A  
Luminaire Lumens: 4498.0 lumens  
Efficiency: N/A  
Efficacy: 89.8 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.31 / 1.41  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 50.1  
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°	1922	1922	1922
5°	1925	1939	1916
10°	1918	1918	1918
15°	1912	1922	1932
20°	1906	1926	1936
25°	1882	1914	1939
30°	1867	1899	1954
35°	1847	1899	1979
40°	1828	1902	2025
45°	1795	1908	2100
50°	1755	1923	2201
55°	1696	1975	2319
60°	1616	2030	2453
65°	1523	2102	2591
70°	1360	2158	2707
75°	1180	2161	2143
80°	1000	1596	1733
85°	865	1081	971

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°

Vertical Angle: 70°

Luminance: 2707 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	135.6	3.0
10°-20°	389.6	8.7
20°-30°	593.6	13.2
30°-40°	726.4	16.1
40°-50°	781.6	17.4
50°-60°	757.0	16.8
60°-70°	641.3	14.3
70°-80°	387.7	8.6
80°-90°	85.2	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°	1118.8	24.9
0°-40°	1845.2	41.0
0°-60°	3383.8	75.2
0°-90°	4498.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4498.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1428	1428	1428	1428	1428	
5°	1425	1425	1436	1428	1418	135
15°	1373	1376	1380	1383	1387	388
25°	1268	1275	1289	1299	1306	585
35°	1125	1132	1156	1188	1205	704
45°	943	961	1002	1066	1104	727
55°	723	754	842	940	989	646
65°	478	531	660	765	814	471
75°	227	308	416	423	412	244
85°	56	66	70	66	63	63
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1428.5	1428.5	1428.5	1428.5	1428.5
2.5°	1445.9	1442.6	1432.3	1425.2	1418.3
5°	1425.2	1425.2	1435.7	1428.5	1418.3
7.5°	1414.5	1414.5	1414.5	1432.3	1414.5
10°	1404.2	1407.8	1404.2	1418.3	1404.2
12.5°	1393.8	1393.8	1393.8	1397.1	1397.1
15°	1372.8	1376.4	1379.7	1383.3	1386.9
17.5°	1351.8	1355.2	1362.3	1365.7	1369.2
20°	1330.9	1334.2	1344.9	1344.9	1351.8
22.5°	1302.8	1302.8	1316.8	1320.4	1330.9
25°	1268.0	1274.9	1289.0	1299.4	1306.4
27.5°	1236.6	1243.5	1257.5	1271.6	1282.1
30°	1201.6	1208.7	1222.5	1243.5	1257.5
32.5°	1163.2	1170.1	1191.1	1215.6	1229.4
35°	1124.6	1131.8	1156.1	1187.7	1205.1
37.5°	1083.0	1093.2	1121.3	1156.1	1177.3
40°	1041.0	1051.5	1083.0	1121.3	1152.7
42.5°	992.0	1006.0	1041.0	1093.2	1128.4
45°	943.1	960.8	1002.5	1065.6	1103.7
47.5°	890.8	908.1	957.0	1037.5	1079.4
50°	838.4	859.3	918.6	1006.0	1051.5
52.5°	782.4	803.3	880.0	974.6	1023.4
55°	723.1	754.5	841.9	939.6	988.6
57.5°	663.5	698.8	796.4	901.2	953.6
60°	600.7	642.8	754.5	859.3	911.7
62.5°	541.4	586.8	709.0	813.8	866.5
65°	478.5	531.1	660.2	765.0	813.8
67.5°	412.3	478.5	604.2	705.7	754.5
70°	345.8	422.7	548.5	642.8	688.1
72.5°	286.5	366.8	485.6	565.9	565.9
75°	227.0	307.5	415.6	422.7	412.3
77.5°	174.6	251.5	324.9	296.8	303.9
80°	129.1	192.2	206.0	216.5	223.6
82.5°	87.4	129.1	132.9	139.8	139.8
85°	56.0	66.2	70.0	66.2	62.9
87.5°	24.5	28.1	21.0	14.1	10.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)