

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: P798054

Luminaire Tested: 22CZSB-SCT3-HRP-UNV-HIGH-3000K

Issue Date: 3/16/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P798054  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P345110)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/16/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 22CZSB-SCT3-HRP-UNV-HIGH-3000K  
Description: Cruze SB Selectable Troffer  
Light Source: 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

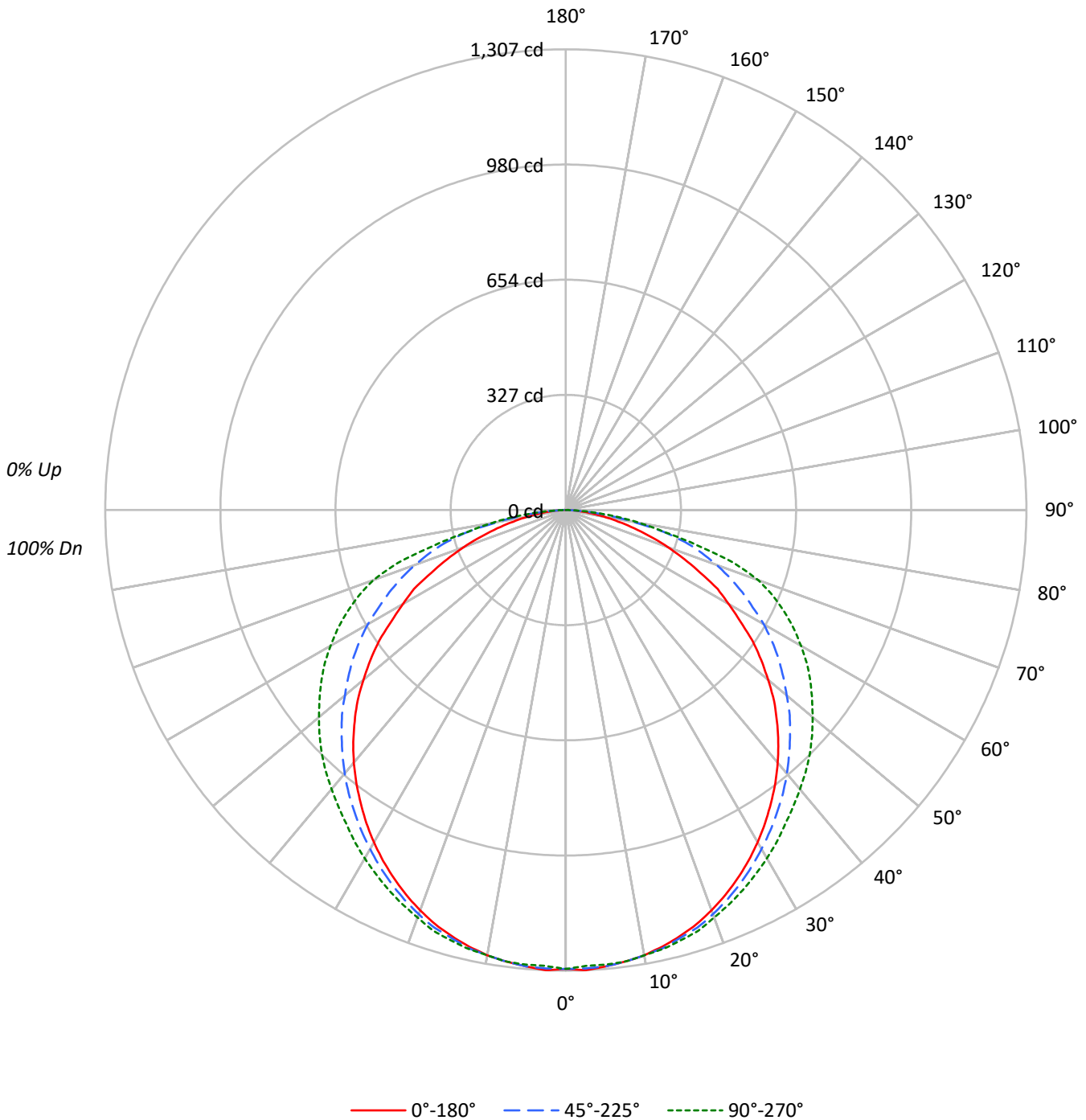
Lumens per Lamp: N/A  
Luminaire Lumens: 3998.0 lumens  
Efficiency: N/A  
Efficacy: 109.8 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.3 / 1.4  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 36.4  
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	100	100	100	100
1	108	103	99	95	105	101	97	93	97	93	90	93	90	87	89	87	85	83	83	83	83
2	98	89	82	76	95	87	81	75	84	78	73	80	76	72	77	74	70	68	68	68	68
3	89	78	69	63	86	76	68	62	73	67	61	71	65	60	68	63	59	57	57	57	57
4	81	69	60	53	79	67	59	52	65	57	52	63	56	51	60	55	50	48	48	48	48
5	75	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41	41	41	41
6	69	55	46	39	67	54	45	39	52	44	39	50	44	38	49	43	38	36	36	36	36
7	64	50	41	34	62	49	40	34	47	40	34	46	39	34	45	38	34	32	32	32	32
8	59	45	37	31	58	45	36	31	43	36	30	42	35	30	41	35	30	28	28	28	28
9	55	42	33	28	54	41	33	27	40	32	27	39	32	27	38	32	27	25	25	25	25
10	52	38	30	25	50	38	30	25	37	30	25	36	29	25	35	29	24	23	23	23	23

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

	0°	45°	90°
0°	3503	3503	3503
5°	3510	3510	3497
10°	3505	3505	3505
15°	3487	3500	3520
20°	3461	3495	3522
25°	3425	3475	3531
30°	3383	3451	3547
35°	3334	3436	3569
40°	3287	3430	3632
45°	3224	3424	3725
50°	3136	3426	3827
55°	3032	3458	3975
60°	2872	3491	4147
65°	2681	3519	4357
70°	2430	3577	4576
75°	2090	3634	4005
80°	1706	3040	3302
85°	1405	2217	2442

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 70°  
 Luminance: 4576 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	123.4	3.1
10°-20°	355.0	8.9
20°-30°	539.6	13.5
30°-40°	656.6	16.4
40°-50°	699.4	17.5
50°-60°	661.6	16.5
60°-70°	545.3	13.6
70°-80°	335.4	8.4
80°-90°	81.9	2.0
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°	1017.9	25.5
0°-40°	1674.5	41.9
0°-60°	3035.5	75.9
0°-90°	3998.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3998.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1302	1302	1302	1302	1302	
5°	1299	1299	1299	1297	1295	124
15°	1252	1254	1256	1261	1264	353
25°	1153	1158	1170	1182	1189	531
35°	1015	1024	1046	1072	1086	635
45°	847	862	900	950	979	653
55°	646	670	737	809	847	575
65°	421	462	553	641	684	418
75°	201	256	350	381	385	215
85°	46	60	72	77	79	53
90°	0	0	0	0	0	

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1301.8	1301.8	1301.8	1301.8	1301.8
2.5°	1306.7	1304.3	1301.8	1297.0	1294.6
5°	1299.4	1299.4	1299.4	1297.0	1294.6
7.5°	1292.2	1292.2	1292.2	1292.2	1292.2
10°	1282.6	1282.6	1282.6	1282.6	1282.6
12.5°	1268.3	1270.7	1273.2	1273.2	1275.6
15°	1251.5	1253.9	1256.3	1261.1	1263.5
17.5°	1232.4	1234.8	1242.1	1246.9	1251.5
20°	1208.6	1211.0	1220.4	1225.2	1230.0
22.5°	1182.3	1186.9	1196.5	1206.1	1211.0
25°	1153.4	1158.2	1170.2	1182.3	1189.3
27.5°	1122.3	1127.1	1141.5	1158.2	1165.4
30°	1088.8	1093.6	1110.5	1129.5	1141.5
32.5°	1052.9	1060.1	1079.4	1103.2	1115.3
35°	1014.8	1024.2	1045.9	1072.1	1086.4
37.5°	976.4	985.9	1012.3	1043.4	1060.1
40°	935.7	947.7	976.4	1012.3	1033.8
42.5°	892.6	907.0	938.1	981.3	1007.5
45°	847.2	861.5	899.8	949.9	978.8
47.5°	801.7	818.3	861.5	916.4	947.7
50°	749.1	768.2	818.3	882.9	914.2
52.5°	698.8	722.6	777.8	847.2	880.7
55°	646.2	670.1	737.1	808.9	847.2
57.5°	586.2	615.1	694.0	770.6	811.3
60°	533.7	562.3	648.6	729.9	770.6
62.5°	485.7	512.2	598.3	686.7	729.9
65°	421.1	461.8	552.7	641.4	684.3
67.5°	363.7	409.3	505.0	588.6	636.6
70°	308.8	356.5	454.6	536.1	581.6
72.5°	253.6	306.4	404.5	476.3	500.2
75°	201.0	256.0	349.5	380.6	385.2
77.5°	153.1	208.3	282.5	280.1	284.7
80°	110.1	157.9	196.2	203.4	213.1
82.5°	74.2	110.1	126.8	138.8	148.5
85°	45.5	59.8	71.8	76.6	79.1
87.5°	21.5	23.9	23.9	19.1	19.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)