

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: P798018

Luminaire Tested: 14CZSB-SCT3-HRP-UNV-HIGH-3000K

Issue Date: 3/16/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P798018  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P345154)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/16/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 14CZSB-SCT3-HRP-UNV-HIGH-3000K  
Description: Cruze SB Selectable Troffer  
Light Source: 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

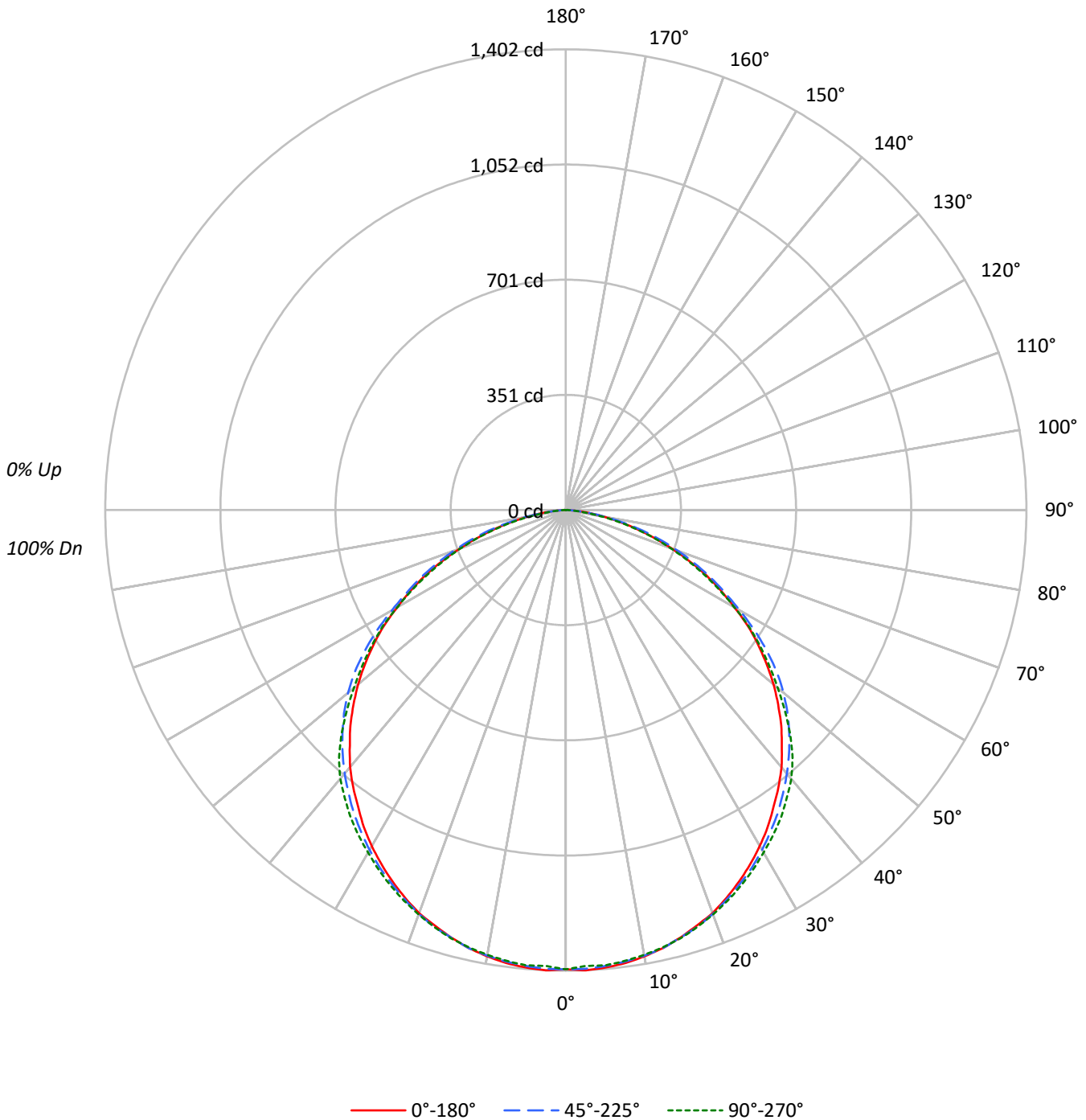
Lumens per Lamp: N/A  
Luminaire Lumens: 3949.6 lumens  
Efficiency: N/A  
Efficacy: 104.8 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.28 / 1.4  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 37.7  
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	109	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	86	86	86	84
2	99	91	84	79	97	89	83	78	86	80	76	82	78	74	79	76	73	73	73	73	70
3	90	80	72	65	88	78	71	65	75	69	64	73	67	63	70	66	62	62	62	62	59
4	83	71	62	55	81	70	61	55	67	60	54	65	59	54	63	57	53	53	53	53	51
5	76	63	54	48	74	62	54	47	60	53	47	58	52	46	56	51	46	46	46	46	44
6	70	57	48	42	68	56	48	41	54	47	41	53	46	41	51	45	40	40	40	40	38
7	65	52	43	37	63	51	43	37	49	42	36	48	41	36	46	40	36	36	36	36	34
8	61	47	39	33	59	46	38	33	45	38	32	44	37	32	43	37	32	32	32	32	30
9	57	43	35	29	55	43	35	29	41	34	29	40	34	29	39	33	29	29	29	29	27
10	53	40	32	27	52	39	32	27	38	31	26	37	31	26	36	31	26	26	26	26	24

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

	0°	45°	90°
0°	3761	3761	3761
5°	3775	3763	3757
10°	3769	3762	3756
15°	3752	3752	3759
20°	3739	3745	3751
25°	3705	3725	3746
30°	3669	3712	3741
35°	3621	3697	3751
40°	3589	3678	3751
45°	3529	3659	3677
50°	3456	3620	3524
55°	3354	3506	3387
60°	3190	3289	3190
65°	3011	3098	2951
70°	2703	2850	2668
75°	2326	2519	2277
80°	1824	1965	1643
85°	1284	1139	994

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 3686 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	132.3	3.3
10°-20°	380.0	9.6
20°-30°	577.3	14.6
30°-40°	701.3	17.8
40°-50°	732.5	18.5
50°-60°	651.5	16.5
60°-70°	475.5	12.0
70°-80°	248.0	6.3
80°-90°	51.2	1.3
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°	1089.6	27.6
0°-40°	1790.9	45.3
0°-60°	3174.9	80.4
0°-90°	3949.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3949.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1398	1398	1398	1398	1398	
5°	1398	1388	1393	1391	1391	133
15°	1347	1340	1347	1349	1349	380
25°	1248	1243	1255	1257	1262	575
35°	1102	1102	1125	1132	1142	691
45°	927	929	962	969	966	714
55°	715	729	747	726	722	638
65°	473	498	486	473	464	465
75°	224	244	242	226	219	238
85°	42	46	37	32	32	52
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1397.6	1397.6	1397.6	1397.6	1397.6
2.5°	1402.3	1392.9	1397.6	1395.4	1388.5
5°	1397.6	1388.5	1392.9	1390.7	1390.7
7.5°	1390.7	1381.5	1386.0	1383.8	1383.8
10°	1379.3	1369.9	1376.8	1374.6	1374.6
12.5°	1365.4	1356.0	1365.4	1363.0	1363.0
15°	1346.8	1339.9	1346.8	1349.3	1349.3
17.5°	1326.0	1321.6	1330.7	1330.7	1330.7
20°	1305.5	1298.5	1307.7	1307.7	1309.9
22.5°	1277.7	1270.8	1282.4	1280.0	1286.9
25°	1247.8	1243.1	1254.7	1256.9	1261.6
27.5°	1215.5	1213.1	1226.9	1229.2	1233.9
30°	1180.9	1176.2	1194.7	1197.0	1203.9
32.5°	1144.0	1144.0	1160.1	1164.8	1173.9
35°	1102.4	1102.4	1125.4	1132.3	1141.7
37.5°	1063.2	1063.2	1086.2	1097.9	1104.8
40°	1021.6	1021.6	1047.1	1058.5	1067.9
42.5°	973.3	975.5	1005.5	1017.1	1021.6
45°	927.2	929.4	961.6	968.6	966.3
47.5°	876.4	883.4	915.6	911.1	904.2
50°	825.6	832.6	864.8	846.4	841.8
52.5°	770.4	781.8	809.5	784.0	781.8
55°	714.9	728.8	747.4	726.5	721.9
57.5°	657.2	675.8	680.5	666.6	661.9
60°	592.8	618.1	611.1	599.7	592.8
62.5°	532.8	555.9	546.7	535.1	528.1
65°	472.9	498.2	486.5	472.9	463.5
67.5°	408.2	438.2	424.3	408.2	401.3
70°	343.6	369.1	362.2	346.1	339.1
72.5°	281.4	304.4	302.2	285.9	279.2
75°	223.7	244.5	242.3	225.9	219.0
77.5°	168.4	189.0	182.3	168.4	161.5
80°	117.7	136.0	126.8	113.0	106.0
82.5°	76.1	85.2	76.1	64.6	59.9
85°	41.6	46.1	36.9	32.2	32.2
87.5°	13.9	16.1	16.1	16.1	16.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)