

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: P798380

Luminaire Tested: 22CZSB-SCT3-S-UNV-MID-3000K

Issue Date: 3/20/2024

Test Information

Test Method: LM-79-2019
Report Number: P798380
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P25712)
Test Lab: INNOVATION CENTER
Issue Date: 3/20/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 22CZSB-SCT3-S-UNV-MID-3000K
Description: Cruze SB Selectable Troffer
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

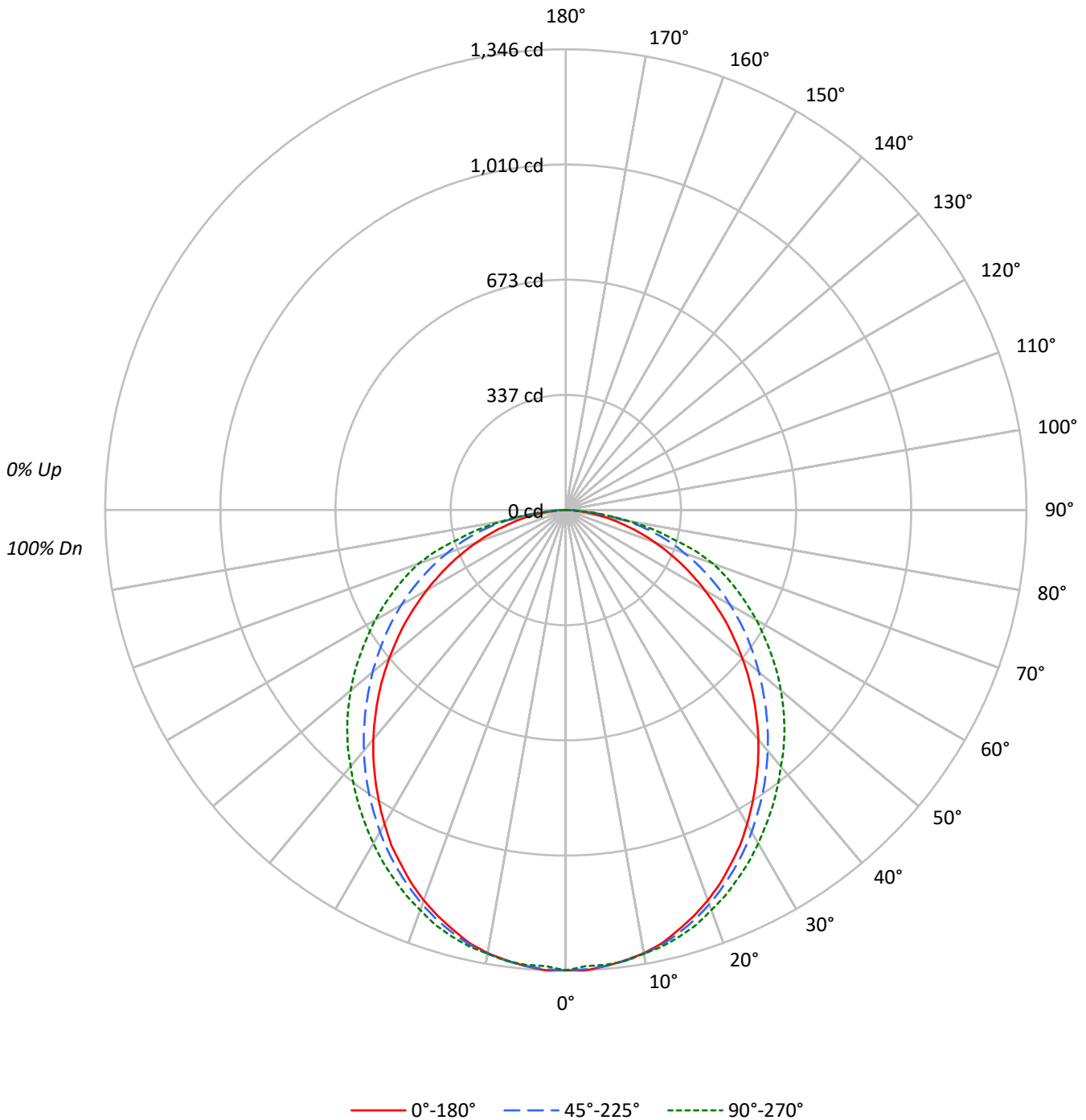
Lumens per Lamp: N/A
Luminaire Lumens: 3688.3 lumens
Efficiency: N/A
Efficacy: 132.7 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.24 / 1.33
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 27.8
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	109	104	99	95	106	101	97	94	97	94	91	93	91	88	90	87	85	85	85	85	83
2	99	90	83	77	96	88	82	77	85	79	75	81	77	73	78	75	71	71	71	71	69
3	90	79	71	64	87	78	70	64	75	68	63	72	66	62	69	64	60	60	60	60	58
4	82	70	61	54	80	69	61	54	66	59	53	64	58	53	62	56	52	52	52	52	50
5	76	63	54	47	74	62	53	47	59	52	46	57	51	46	56	50	45	45	45	45	43
6	70	56	47	41	68	56	47	41	54	46	40	52	45	40	50	44	40	40	40	40	38
7	65	51	42	36	63	50	42	36	49	41	36	47	41	36	46	40	35	35	35	35	33
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	32	32	32	32	30
9	56	43	35	29	55	42	34	29	41	34	29	40	34	29	39	33	29	29	29	29	27
10	53	40	32	26	52	39	32	26	38	31	26	37	31	26	36	30	26	26	26	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3618	3618	3618
5°	3613	3613	3603
10°	3592	3597	3597
15°	3539	3563	3593
20°	3475	3511	3562
25°	3388	3445	3529
30°	3292	3375	3495
35°	3183	3300	3462
40°	3074	3224	3435
45°	2952	3149	3439
50°	2818	3085	3435
55°	2684	3033	3432
60°	2527	2985	3461
65°	2370	2944	3508
70°	2188	2912	3596
75°	1972	2891	3333
80°	1729	2689	2907
85°	1420	2025	1803

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 70°
 Luminance: 3596 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.0	3.4
10°-20°	360.7	9.8
20°-30°	535.7	14.5
30°-40°	630.6	17.1
40°-50°	642.9	17.4
50°-60°	579.8	15.7
60°-70°	456.7	12.4
70°-80°	281.7	7.6
80°-90°	73.1	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°	1023.4	27.7
0°-40°	1654.0	44.8
0°-60°	2876.7	78.0
0°-90°	3688.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3688.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1345	1345	1345	1345	1345	
5°	1338	1339	1338	1336	1334	127
15°	1270	1275	1279	1286	1290	358
25°	1141	1148	1160	1180	1189	526
35°	969	980	1004	1036	1054	606
45°	776	788	827	877	904	598
55°	572	592	646	705	732	511
65°	372	398	462	521	551	369
75°	190	222	278	310	321	202
85°	46	58	66	62	58	54
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1344.6	1344.6	1344.6	1344.6	1344.6
2.5°	1346.3	1346.3	1342.8	1339.3	1334.0
5°	1337.6	1339.3	1337.6	1335.6	1334.0
7.5°	1327.0	1328.6	1328.6	1328.6	1328.6
10°	1314.4	1316.3	1316.3	1316.3	1316.3
12.5°	1296.8	1298.6	1300.3	1302.1	1305.6
15°	1270.2	1275.4	1278.9	1286.1	1289.6
17.5°	1243.7	1248.9	1254.4	1263.1	1270.2
20°	1213.5	1217.0	1226.0	1236.5	1243.7
22.5°	1179.8	1185.2	1194.0	1208.2	1218.9
25°	1141.0	1148.0	1160.3	1179.8	1188.7
27.5°	1103.8	1108.9	1124.8	1146.1	1158.6
30°	1059.4	1066.4	1086.1	1112.4	1124.8
32.5°	1015.2	1023.8	1045.2	1075.4	1089.6
35°	969.0	979.7	1004.5	1036.4	1054.0
37.5°	922.9	933.6	962.0	997.3	1016.9
40°	875.2	885.7	917.8	956.6	977.8
42.5°	825.5	837.9	873.2	917.8	942.5
45°	775.8	788.3	827.4	876.9	903.6
47.5°	724.6	738.8	781.3	836.2	862.7
50°	673.2	689.1	737.0	793.7	820.4
52.5°	621.7	639.5	690.9	749.5	777.8
55°	572.1	591.7	646.5	704.9	731.6
57.5°	519.1	542.1	600.5	657.2	687.4
60°	469.6	494.2	554.6	611.2	643.0
62.5°	419.9	446.4	510.1	567.0	597.0
65°	372.2	398.5	462.4	520.8	551.0
67.5°	324.1	354.3	416.4	474.7	504.9
70°	278.1	309.9	370.1	427.0	457.0
72.5°	233.9	265.7	325.9	379.2	396.8
75°	189.7	221.5	278.1	309.9	320.6
77.5°	148.8	179.0	228.5	248.0	262.2
80°	111.6	138.1	173.5	186.0	187.6
82.5°	76.1	99.3	120.6	122.3	120.6
85°	46.0	58.4	65.6	61.9	58.4
87.5°	21.4	23.0	21.4	14.2	8.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)