

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: P798051

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

Issue Date: 3/16/2024

Test Information

Test Method: LM-79-2019
Report Number: P798051
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2311-232-40)
Test Lab: INNOVATION CENTER
Issue Date: 3/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 22CZSB-SCT3-UNV-MID-3000K
Description: Cruze SB Selectable Troffer
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

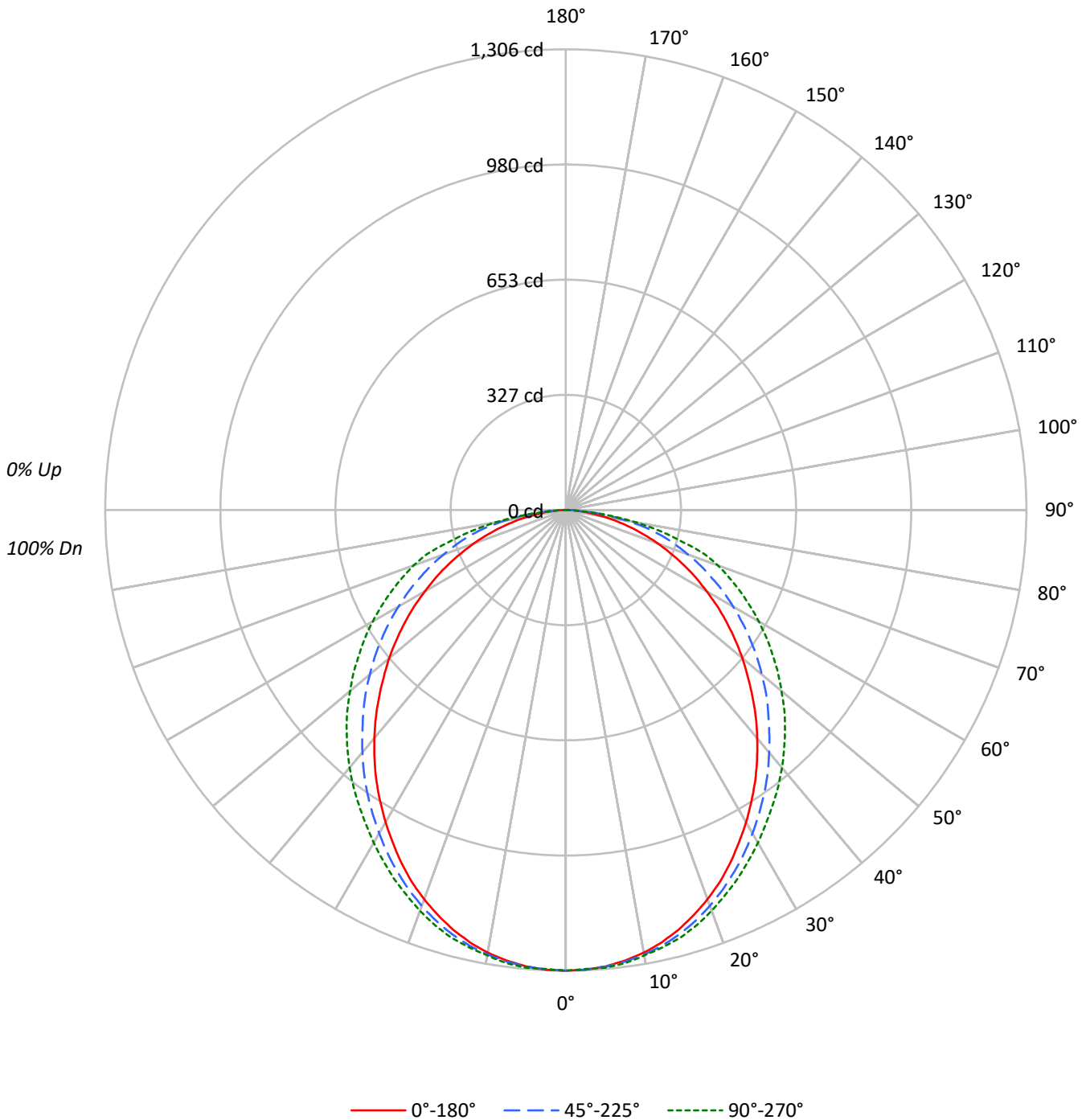
Lumens per Lamp: N/A
Luminaire Lumens: 3616.0 lumens
Efficiency: N/A
Efficacy: 130.1 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.24 / 1.33
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	108	104	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	83
2	98	90	83	77	96	88	82	76	85	79	75	81	77	73	78	74	71	69
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	62	56	52	49
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	31	30
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	28	27
10	53	40	32	26	51	39	31	26	38	31	26	37	31	26	36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3514	3514	3514
5°	3507	3509	3517
10°	3481	3495	3504
15°	3432	3469	3496
20°	3363	3420	3462
25°	3276	3358	3423
30°	3176	3289	3385
35°	3076	3222	3358
40°	2966	3152	3349
45°	2847	3089	3345
50°	2736	3036	3342
55°	2616	2990	3358
60°	2481	2949	3402
65°	2351	2916	3471
70°	2185	2900	3609
75°	1982	2933	3486
80°	1683	2748	3137
85°	1392	2121	2029

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 72.5°
 Luminance: 3675 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.4	3.4
10°-20°	350.7	9.7
20°-30°	520.2	14.4
30°-40°	613.0	17.0
40°-50°	627.6	17.4
50°-60°	569.5	15.8
60°-70°	452.5	12.5
70°-80°	284.6	7.9
80°-90°	74.3	2.1
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°	994.3	27.5
0°-40°	1607.4	44.5
0°-60°	2804.5	77.6
0°-90°	3616.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3616.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1306	1306	1306	1306	1306	
5°	1298	1300	1299	1301	1302	123
15°	1232	1239	1245	1253	1255	347
25°	1103	1112	1131	1148	1153	508
35°	936	949	981	1010	1022	585
45°	748	767	812	860	879	578
55°	558	578	637	694	716	499
65°	369	393	458	518	545	365
75°	191	217	282	320	335	202
85°	45	56	69	64	66	53
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1305.8	1305.8	1305.8	1305.8	1305.8
2.5°	1304.3	1305.8	1303.6	1302.9	1302.1
5°	1298.4	1299.9	1299.2	1300.6	1302.1
7.5°	1288.1	1290.3	1291.0	1293.3	1295.5
10°	1274.1	1277.7	1279.2	1281.4	1282.2
12.5°	1255.6	1261.5	1264.5	1268.1	1269.6
15°	1232.0	1238.6	1245.3	1252.6	1254.9
17.5°	1204.6	1211.3	1221.6	1232.0	1234.2
20°	1174.3	1181.0	1194.3	1205.4	1209.1
22.5°	1141.1	1147.8	1164.0	1177.3	1181.0
25°	1103.4	1112.3	1130.8	1147.8	1152.9
27.5°	1062.8	1073.2	1096.1	1115.3	1121.2
30°	1022.2	1032.5	1058.4	1081.3	1089.4
32.5°	979.4	991.9	1020.0	1046.6	1055.4
35°	936.5	949.1	980.8	1010.4	1022.2
37.5°	890.7	904.0	940.2	974.2	989.0
40°	844.2	858.2	897.4	937.3	953.5
42.5°	797.7	813.2	853.8	899.6	916.6
45°	748.2	766.6	811.7	860.5	878.9
47.5°	700.2	719.4	770.3	821.3	840.5
50°	653.6	672.1	725.3	779.2	798.4
52.5°	605.6	624.1	682.5	737.8	758.5
55°	557.6	578.3	637.4	693.5	715.7
57.5°	510.4	531.0	593.1	650.7	675.1
60°	460.9	484.5	548.0	607.1	632.2
62.5°	415.8	438.7	504.5	562.8	588.7
65°	369.3	392.9	457.9	517.7	545.1
67.5°	322.8	348.6	415.1	473.4	502.2
70°	277.7	304.3	368.6	429.1	458.7
72.5°	234.1	260.7	325.7	383.3	410.7
75°	190.6	217.1	282.1	320.5	335.3
77.5°	148.5	175.8	234.9	255.5	272.5
80°	108.6	134.4	177.3	193.5	202.4
82.5°	74.6	95.3	123.3	124.8	130.0
85°	45.1	56.1	68.7	63.5	65.7
87.5°	21.4	21.4	22.2	13.3	11.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)