

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: P798009

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

Issue Date: 3/16/2024

Test Information

Test Method: LM-79-2019
Report Number: P798009
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2307-102-42)
Test Lab: INNOVATION CENTER
Issue Date: 3/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14CZSB-SCT3-UNV-HIGH-3000K
Description: Cruze SB Selectable Troffer
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

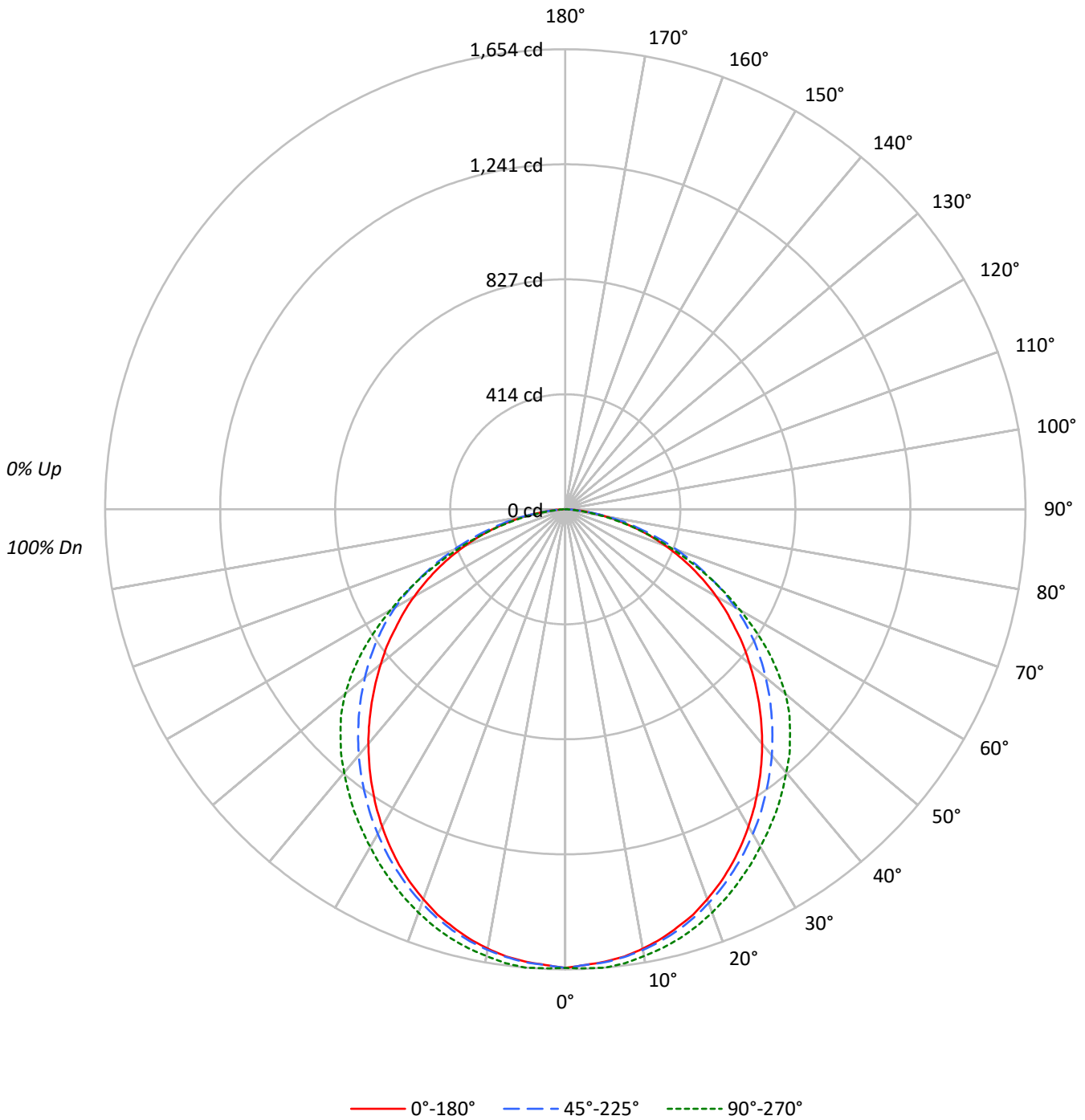
Lumens per Lamp: N/A
Luminaire Lumens: 4496.0 lumens
Efficiency: N/A
Efficacy: 119.3 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	
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	91	80	72	66	88	78	71	65	75	69	64	73	67	63	70	66	62	62	62	62	59	
4	83	71	62	56	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	48	60	53	47	58	52	47	56	51	46	46	46	46	44	
6	70	57	48	42	68	56	48	42	54	47	41	53	46	41	51	45	41	41	41	41	38	
7	65	52	43	37	64	51	43	37	49	42	37	48	41	36	47	41	36	36	36	36	34	
8	61	47	39	33	59	47	38	33	45	38	33	44	37	32	43	37	32	32	32	32	30	
9	57	43	35	30	55	43	35	30	42	34	29	41	34	29	40	34	29	29	29	29	27	
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	26	26	26	26	25	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4437	4437	4437
5°	4411	4416	4468
10°	4383	4396	4456
15°	4335	4365	4446
20°	4272	4315	4418
25°	4192	4255	4385
30°	4092	4188	4356
35°	3981	4119	4349
40°	3868	4057	4341
45°	3745	3992	4346
50°	3621	3935	4325
55°	3495	3889	4176
60°	3374	3800	3907
65°	3216	3617	3572
70°	3013	3360	3147
75°	2724	2984	2672
80°	2263	2433	2030
85°	1575	1420	1019

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 47.5°
 Luminance: 4354 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.9	3.5
10°-20°	444.0	9.9
20°-30°	664.0	14.8
30°-40°	790.5	17.6
40°-50°	816.2	18.2
50°-60°	733.0	16.3
60°-70°	541.0	12.0
70°-80°	290.0	6.5
80°-90°	61.4	1.4
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°	1264.0	28.1
0°-40°	2054.5	45.7
0°-60°	3603.7	80.2
0°-90°	4496.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4496.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1649	1649	1649	1649	1649	
5°	1633	1649	1635	1642	1654	155
15°	1556	1574	1567	1582	1596	439
25°	1412	1430	1433	1458	1477	650
35°	1212	1234	1254	1298	1324	758
45°	984	1005	1049	1114	1142	759
55°	745	762	829	877	890	668
65°	505	520	568	564	561	500
75°	262	282	287	265	257	277
85°	51	55	46	34	33	65
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1648.9	1648.9	1648.9	1648.9	1648.9
2.5°	1639.9	1654.9	1639.9	1647.9	1651.9
5°	1632.9	1648.9	1634.9	1641.9	1653.9
7.5°	1621.9	1637.9	1623.9	1632.9	1645.9
10°	1603.9	1620.9	1608.9	1619.9	1630.9
12.5°	1582.9	1598.9	1589.9	1601.9	1615.9
15°	1555.9	1573.9	1566.9	1581.9	1595.9
17.5°	1527.9	1544.9	1538.9	1557.9	1571.9
20°	1491.9	1509.9	1506.9	1525.9	1542.9
22.5°	1453.9	1471.9	1471.9	1492.9	1511.9
25°	1411.9	1429.9	1432.9	1457.9	1476.9
27.5°	1365.9	1384.9	1391.9	1420.9	1440.9
30°	1316.9	1336.9	1347.9	1380.9	1401.9
32.5°	1265.9	1286.9	1302.9	1340.9	1362.9
35°	1211.9	1233.9	1253.9	1297.9	1323.9
37.5°	1157.0	1179.0	1204.9	1252.9	1279.9
40°	1101.0	1122.0	1155.0	1207.9	1235.9
42.5°	1043.0	1065.0	1102.0	1161.0	1192.9
45°	984.0	1005.0	1049.0	1114.0	1142.0
47.5°	925.0	946.0	995.0	1064.0	1093.0
50°	865.0	885.0	940.0	1009.0	1033.0
52.5°	808.0	823.0	885.0	946.0	964.0
55°	745.0	762.0	829.0	877.0	890.0
57.5°	687.0	701.0	770.0	803.0	809.0
60°	627.0	640.0	706.0	725.0	726.0
62.5°	566.0	580.0	639.0	645.0	645.0
65°	505.0	520.0	568.0	564.0	561.0
67.5°	444.0	461.0	497.0	486.0	479.0
70°	383.0	403.0	427.0	409.0	400.0
72.5°	322.0	343.0	356.0	335.0	326.0
75°	262.0	282.0	287.0	265.0	257.0
77.5°	202.0	222.0	223.0	197.0	191.0
80°	146.0	161.0	157.0	136.0	131.0
82.5°	95.0	106.0	98.0	79.0	76.0
85°	51.0	55.0	46.0	34.0	33.0
87.5°	19.0	14.0	16.0	14.0	15.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)