

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: P798059

Luminaire Tested: 22CZSB-SCT3-HRP-UNV-LOW-4000K

Issue Date: 3/16/2024

Test Information

Test Method: LM-79-2019
Report Number: P798059
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-LOW-4000K
Description: Cruze SB Selectable Troffer
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

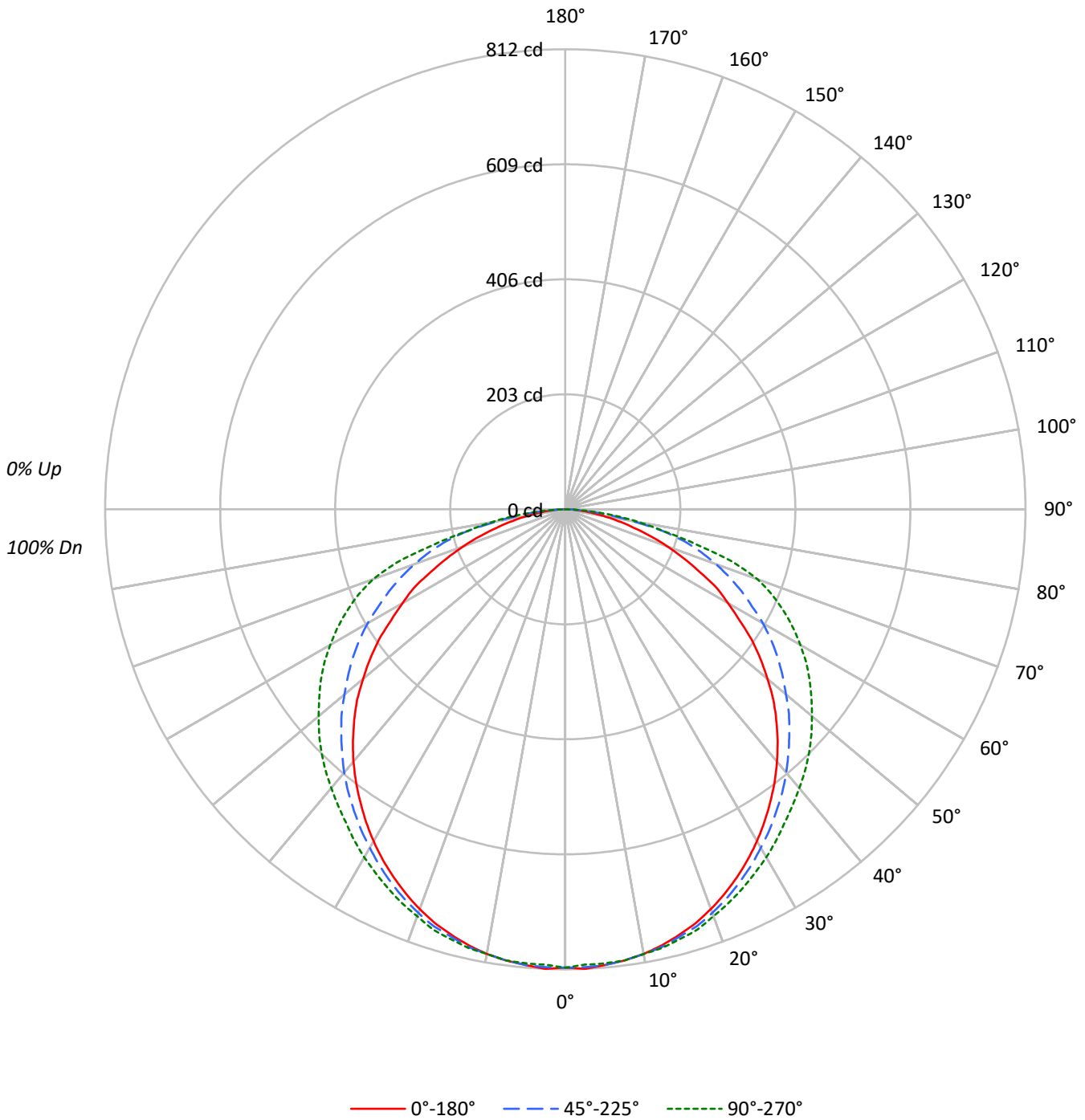
Lumens per Lamp: N/A
Luminaire Lumens: 2484.3 lumens
Efficiency: N/A
Efficacy: 124.8 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.3 / 1.4
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 19.9
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	108	103	99	95	105	101	97	93	97	93	90	93	90	87	89	87	85	85	85	85	83
2	98	89	82	76	95	87	81	75	84	78	73	80	76	72	77	74	70	70	70	70	68
3	89	78	69	63	86	76	68	62	73	67	61	71	65	60	68	63	59	59	59	59	57
4	81	69	60	53	79	67	59	52	65	57	52	63	56	51	60	55	50	50	50	50	48
5	75	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	43	43	43	41
6	69	55	46	39	67	54	45	39	52	44	39	50	44	38	49	43	38	38	38	38	36
7	64	50	41	34	62	49	40	34	47	40	34	46	39	34	45	38	34	34	34	34	32
8	59	45	37	31	58	45	36	31	43	36	30	42	35	30	41	35	30	30	30	30	28
9	55	42	33	28	54	41	33	27	40	32	27	39	32	27	38	32	27	27	27	27	25
10	52	38	30	25	50	38	30	25	37	30	25	36	29	25	35	29	24	24	24	24	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2177	2177	2177
5°	2181	2181	2173
10°	2178	2178	2178
15°	2166	2175	2187
20°	2151	2172	2189
25°	2128	2159	2194
30°	2102	2144	2204
35°	2072	2135	2217
40°	2042	2131	2257
45°	2004	2128	2315
50°	1949	2129	2378
55°	1884	2149	2470
60°	1785	2169	2577
65°	1666	2187	2707
70°	1510	2223	2843
75°	1299	2258	2488
80°	1060	1889	2052
85°	874	1377	1516

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 70°
 Luminance: 2843 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.7	3.1
10°-20°	220.6	8.9
20°-30°	335.3	13.5
30°-40°	408.0	16.4
40°-50°	434.6	17.5
50°-60°	411.1	16.5
60°-70°	338.8	13.6
70°-80°	208.4	8.4
80°-90°	50.9	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°	632.5	25.5
0°-40°	1040.5	41.9
0°-60°	1886.2	75.9
0°-90°	2484.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2484.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	809	809	809	809	809	
5°	807	807	807	806	804	77
15°	778	779	781	784	785	219
25°	717	720	727	735	739	330
35°	631	636	650	666	675	395
45°	526	535	559	590	608	406
55°	402	416	458	503	526	357
65°	262	287	343	399	425	260
75°	125	159	217	236	239	134
85°	28	37	45	48	49	33
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	808.9	808.9	808.9	808.9	808.9
2.5°	811.9	810.4	808.9	805.9	804.5
5°	807.4	807.4	807.4	805.9	804.5
7.5°	803.0	803.0	803.0	803.0	803.0
10°	797.0	797.0	797.0	797.0	797.0
12.5°	788.1	789.6	791.1	791.1	792.6
15°	777.6	779.1	780.6	783.6	785.1
17.5°	765.8	767.3	771.8	774.8	777.6
20°	751.0	752.5	758.3	761.3	764.3
22.5°	734.6	737.5	743.5	749.5	752.5
25°	716.7	719.7	727.2	734.6	739.0
27.5°	697.4	700.4	709.3	719.7	724.2
30°	676.5	679.5	690.0	701.9	709.3
32.5°	654.2	658.7	670.7	685.5	693.0
35°	630.6	636.4	649.9	666.2	675.0
37.5°	606.7	612.6	629.1	648.4	658.7
40°	581.4	588.9	606.7	629.1	642.4
42.5°	554.6	563.6	582.9	609.7	626.1
45°	526.5	535.3	559.1	590.3	608.2
47.5°	498.2	508.5	535.3	569.5	588.9
50°	465.5	477.3	508.5	548.6	568.1
52.5°	434.2	449.0	483.3	526.5	547.3
55°	401.5	416.4	458.0	502.6	526.5
57.5°	364.3	382.2	431.2	478.8	504.1
60°	331.6	349.4	403.0	453.5	478.8
62.5°	301.8	318.3	371.7	426.7	453.5
65°	261.7	287.0	343.4	398.6	425.2
67.5°	226.0	254.3	313.8	365.8	395.6
70°	191.9	221.5	282.5	333.1	361.4
72.5°	157.6	190.4	251.3	296.0	310.8
75°	124.9	159.1	217.2	236.5	239.3
77.5°	95.1	129.4	175.5	174.0	176.9
80°	68.4	98.1	121.9	126.4	132.4
82.5°	46.1	68.4	78.8	86.3	92.3
85°	28.3	37.1	44.6	47.6	49.1
87.5°	13.3	14.8	14.8	11.8	11.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)