

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: P798015

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

Issue Date: 3/16/2024

Test Information

Test Method: LM-79-2019
Report Number: P798015
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2307-102-43)
Test Lab: INNOVATION CENTER
Issue Date: 3/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14CZSB-SCT3-UNV-MID-3000K
Description: Cruze SB Selectable Troffer
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

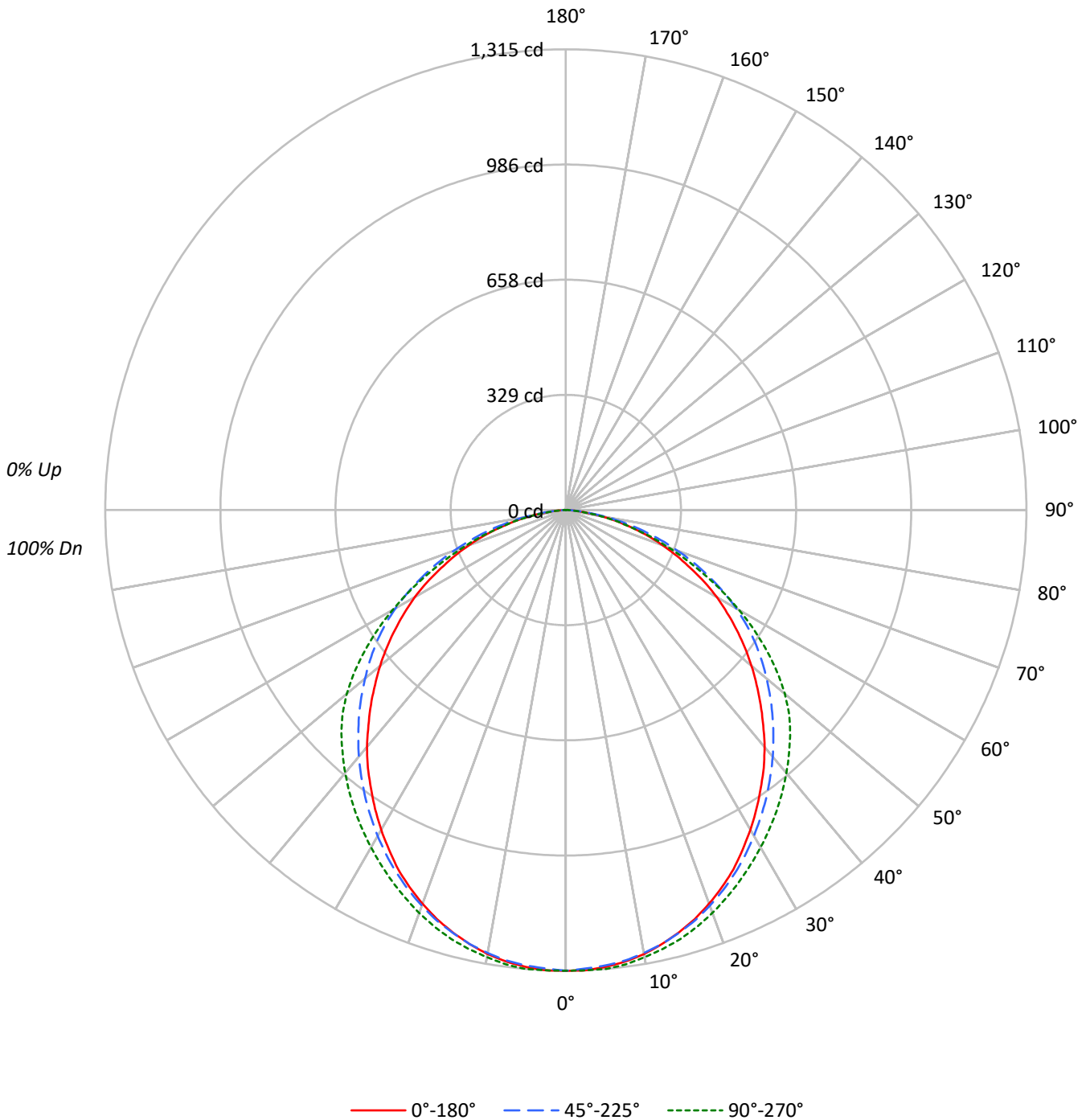
Lumens per Lamp: N/A
Luminaire Lumens: 3578.0 lumens
Efficiency: N/A
Efficacy: 125.1 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 28.6
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	79	71	65	76	69	64	73	67	63	70	66	62	62	62	62	59
4	83	71	62	56	81	70	62	55	67	60	54	65	59	54	63	57	53	53	53	53	51
5	76	63	55	48	74	62	54	48	60	53	47	58	52	47	56	51	46	46	46	46	44
6	70	57	48	42	69	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	39	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	27	27	27	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3539	3539	3539
5°	3536	3525	3552
10°	3517	3509	3541
15°	3477	3480	3530
20°	3425	3442	3505
25°	3361	3394	3477
30°	3275	3337	3455
35°	3187	3282	3446
40°	3102	3228	3443
45°	2995	3178	3448
50°	2897	3131	3416
55°	2791	3096	3289
60°	2680	3025	3078
65°	2502	2878	2783
70°	2321	2675	2447
75°	2038	2381	2038
80°	1643	1922	1596
85°	988	1081	772

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 3448 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.3	3.5
10°-20°	353.8	9.9
20°-30°	529.1	14.8
30°-40°	629.9	17.6
40°-50°	650.0	18.2
50°-60°	583.5	16.3
60°-70°	429.6	12.0
70°-80°	229.4	6.4
80°-90°	48.5	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°	1007.2	28.1
0°-40°	1637.0	45.8
0°-60°	2870.5	80.2
0°-90°	3578.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3578.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1315	1315	1315	1315	1315	
5°	1309	1313	1305	1306	1315	124
15°	1248	1253	1249	1259	1267	352
25°	1132	1138	1143	1162	1171	521
35°	970	983	999	1035	1049	607
45°	787	802	835	887	906	607
55°	595	611	660	697	701	532
65°	393	419	452	448	437	391
75°	196	230	229	207	196	209
85°	32	49	35	26	25	43
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1315	1315	1315	1315	1315
2.5°	1315	1318	1310	1311	1315
5°	1309	1313	1305	1306	1315
7.5°	1300	1304	1297	1299	1308
10°	1287	1291	1284	1288	1296
12.5°	1269	1273	1269	1275	1283
15°	1248	1253	1249	1259	1267
17.5°	1224	1229	1228	1239	1247
20°	1196	1201	1202	1215	1224
22.5°	1165	1172	1174	1189	1198
25°	1132	1138	1143	1162	1171
27.5°	1093	1102	1110	1133	1142
30°	1054	1064	1074	1102	1112
32.5°	1013	1025	1037	1069	1081
35°	970	983	999	1035	1049
37.5°	928	939	959	1000	1015
40°	883	894	919	965	980
42.5°	834	848	877	925	943
45°	787	802	835	887	906
47.5°	739	755	792	847	865
50°	692	707	748	803	816
52.5°	644	659	705	752	761
55°	595	611	660	697	701
57.5°	546	562	613	638	638
60°	498	513	562	576	572
62.5°	447	466	508	512	504
65°	393	419	452	448	437
67.5°	344	372	397	385	373
70°	295	326	340	323	311
72.5°	246	279	284	264	256
75°	196	230	229	207	196
77.5°	150	180	173	157	150
80°	106	134	124	108	103
82.5°	64	90	77	63	59
85°	32	49	35	26	25
87.5°	9	14	12	12	12
90°	0	0	0	0	0

(END OF REPORT)