

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: P798016

Luminaire Tested: 14CZSB-SCT3-UNV-MID-3500K

Issue Date: 3/16/2024

Test Information

Test Method: LM-79-2019
Report Number: P798016
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2307-102-46)
Test Lab: INNOVATION CENTER
Issue Date: 3/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14CZSB-SCT3-UNV-MID-3500K
Description: Cruze SB Selectable Troffer
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

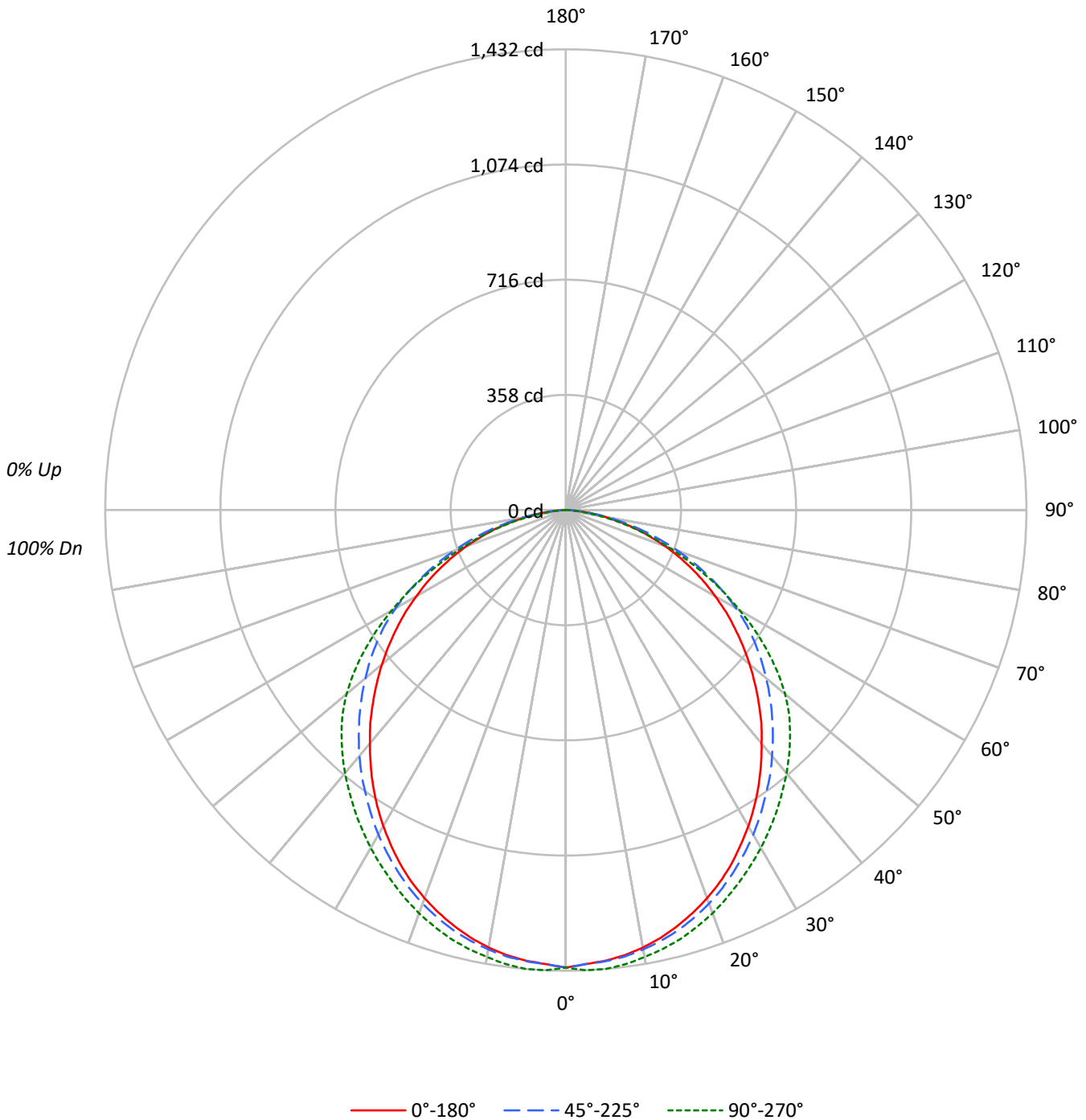
Lumens per Lamp: N/A
Luminaire Lumens: 3879.0 lumens
Efficiency: N/A
Efficacy: 141.1 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 27.5
Input Voltage (V): 120
Input Current (A_{in}): 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				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	90	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	40	40	40	40	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°	3827	3827	3827
5°	3798	3803	3868
10°	3774	3790	3856
15°	3730	3767	3845
20°	3677	3729	3820
25°	3611	3676	3789
30°	3527	3620	3769
35°	3433	3558	3755
40°	3327	3506	3752
45°	3227	3452	3752
50°	3123	3404	3726
55°	3012	3364	3594
60°	2885	3288	3369
65°	2757	3139	3056
70°	2581	2911	2699
75°	2350	2589	2298
80°	1937	2077	1736
85°	1328	1173	865

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 3752 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.5	3.5
10°-20°	382.8	9.9
20°-30°	572.9	14.8
30°-40°	681.8	17.6
40°-50°	704.1	18.2
50°-60°	632.7	16.3
60°-70°	466.9	12.0
70°-80°	250.4	6.5
80°-90°	52.9	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°	1090.2	28.1
0°-40°	1772.0	45.7
0°-60°	3108.8	80.1
0°-90°	3879.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3879.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1422	1422	1422	1422	1422	
5°	1406	1425	1408	1412	1432	133
15°	1339	1360	1352	1361	1380	377
25°	1216	1235	1238	1253	1276	560
35°	1045	1065	1083	1116	1143	653
45°	848	868	907	958	986	654
55°	642	658	717	756	766	574
65°	433	449	493	487	480	428
75°	226	246	249	229	221	237
85°	43	49	38	29	28	55
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1422	1422	1422	1422	1422
2.5°	1413	1431	1413	1418	1432
5°	1406	1425	1408	1412	1432
7.5°	1396	1415	1400	1405	1424
10°	1381	1401	1387	1393	1411
12.5°	1362	1382	1371	1378	1397
15°	1339	1360	1352	1361	1380
17.5°	1313	1334	1328	1338	1358
20°	1284	1304	1302	1312	1334
22.5°	1252	1271	1272	1284	1306
25°	1216	1235	1238	1253	1276
27.5°	1176	1197	1203	1223	1245
30°	1135	1155	1165	1188	1213
32.5°	1091	1111	1125	1152	1178
35°	1045	1065	1083	1116	1143
37.5°	997	1018	1042	1079	1105
40°	947	969	998	1038	1068
42.5°	900	919	953	1000	1028
45°	848	868	907	958	986
47.5°	797	817	861	916	942
50°	746	764	813	869	890
52.5°	694	711	766	816	831
55°	642	658	717	756	766
57.5°	591	606	667	693	698
60°	536	552	611	626	626
62.5°	486	500	554	557	553
65°	433	449	493	487	480
67.5°	381	398	432	421	410
70°	328	349	370	352	343
72.5°	275	299	308	290	280
75°	226	246	249	229	221
77.5°	173	192	189	171	163
80°	125	141	134	117	112
82.5°	81	93	83	69	65
85°	43	49	38	29	28
87.5°	15	13	13	13	13
90°	0	0	0	0	0

(END OF REPORT)