

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: P798062

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

Issue Date: 3/16/2024

Test Information

Test Method: LM-79-2019
Report Number: P798062
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-MID-4000K
Description: Cruze SB Selectable Troffer
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

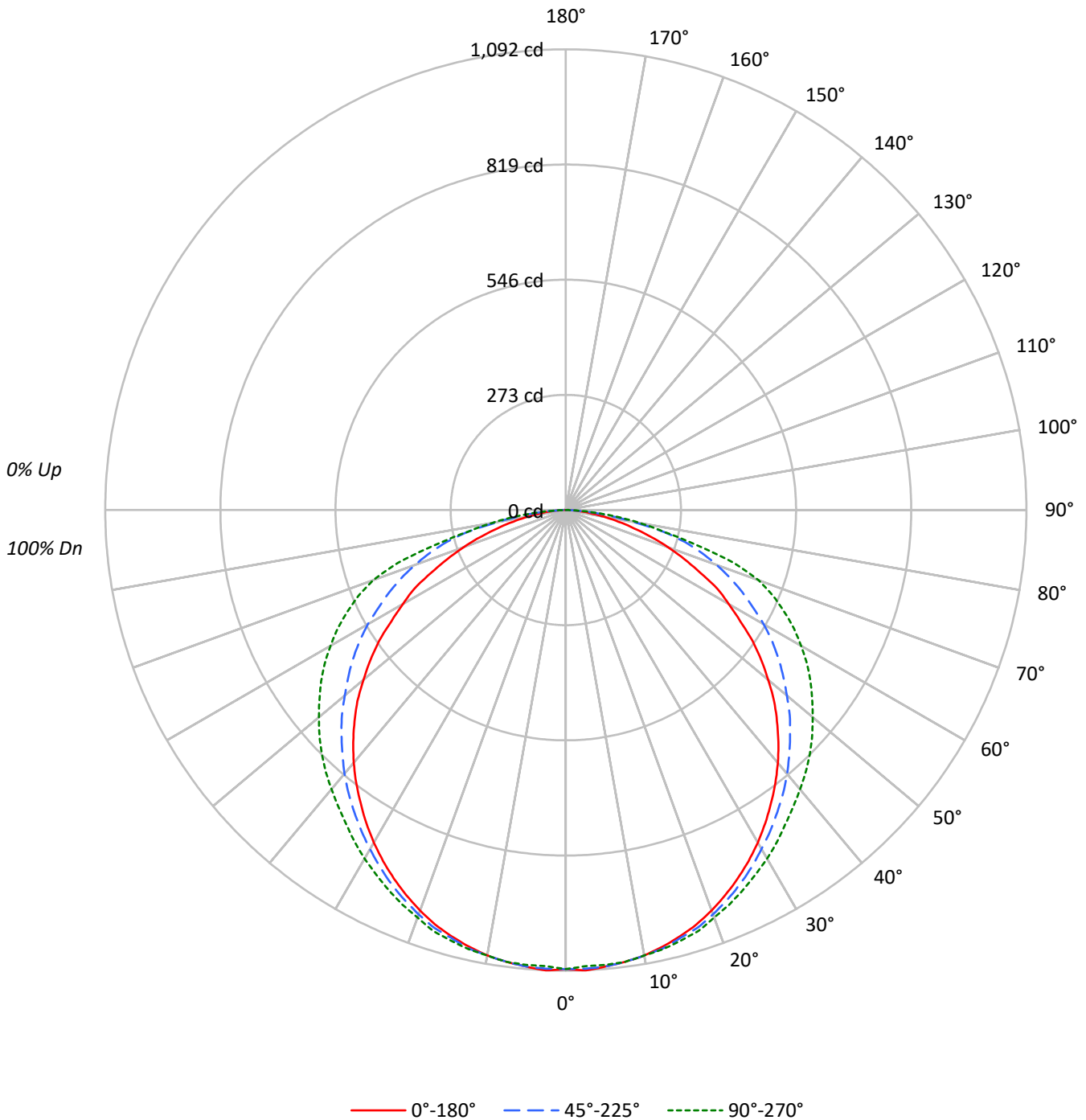
Lumens per Lamp: N/A
Luminaire Lumens: 3341.8 lumens
Efficiency: N/A
Efficacy: 120.6 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.3 / 1.4
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 27.7
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	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°	2928	2928	2928
5°	2934	2934	2923
10°	2930	2930	2930
15°	2914	2925	2942
20°	2893	2921	2944
25°	2863	2904	2952
30°	2828	2884	2965
35°	2786	2872	2983
40°	2747	2867	3035
45°	2695	2862	3114
50°	2622	2864	3199
55°	2534	2890	3323
60°	2401	2918	3467
65°	2241	2942	3642
70°	2031	2990	3825
75°	1747	3037	3348
80°	1427	2541	2760
85°	1176	1853	2041

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 70°
 Luminance: 3825 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.2	3.1
10°-20°	296.7	8.9
20°-30°	451.0	13.5
30°-40°	548.8	16.4
40°-50°	584.6	17.5
50°-60°	553.0	16.5
60°-70°	455.8	13.6
70°-80°	280.3	8.4
80°-90°	68.4	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°	850.9	25.5
0°-40°	1399.7	41.9
0°-60°	2537.3	75.9
0°-90°	3341.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3341.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1088	1088	1088	1088	1088	
5°	1086	1086	1086	1084	1082	103
15°	1046	1048	1050	1054	1056	295
25°	964	968	978	988	994	444
35°	848	856	874	896	908	531
45°	708	720	752	794	818	546
55°	540	560	616	676	708	481
65°	352	386	462	536	572	350
75°	168	214	292	318	322	180
85°	38	50	60	64	66	45
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1088.2	1088.2	1088.2	1088.2	1088.2
2.5°	1092.2	1090.2	1088.2	1084.1	1082.1
5°	1086.2	1086.2	1086.2	1084.1	1082.1
7.5°	1080.1	1080.1	1080.1	1080.1	1080.1
10°	1072.1	1072.1	1072.1	1072.1	1072.1
12.5°	1060.2	1062.2	1064.2	1064.2	1066.2
15°	1046.1	1048.1	1050.1	1054.1	1056.1
17.5°	1030.2	1032.2	1038.2	1042.2	1046.1
20°	1010.2	1012.2	1020.1	1024.1	1028.1
22.5°	988.2	992.1	1000.1	1008.2	1012.2
25°	964.1	968.1	978.2	988.2	994.1
27.5°	938.1	942.1	954.2	968.1	974.1
30°	910.1	914.1	928.2	944.1	954.2
32.5°	880.1	886.1	902.2	922.2	932.2
35°	848.2	856.1	874.2	896.2	908.1
37.5°	816.2	824.0	846.2	872.2	886.1
40°	782.1	792.2	816.2	846.2	864.1
42.5°	746.1	758.2	784.1	820.2	842.2
45°	708.2	720.1	752.1	794.0	818.2
47.5°	670.1	684.0	720.1	766.0	792.2
50°	626.2	642.1	684.0	738.0	764.2
52.5°	584.1	604.0	650.2	708.2	736.2
55°	540.2	560.1	616.1	676.2	708.2
57.5°	490.0	514.2	580.1	644.1	678.2
60°	446.1	470.0	542.2	610.1	644.1
62.5°	406.0	428.1	500.1	574.0	610.1
65°	352.0	386.0	462.0	536.1	572.0
67.5°	304.0	342.1	422.1	492.0	532.1
70°	258.1	298.0	380.0	448.1	486.2
72.5°	212.0	256.1	338.1	398.1	418.1
75°	168.0	214.0	292.1	318.1	322.0
77.5°	127.9	174.1	236.1	234.1	238.0
80°	92.1	132.0	164.0	170.0	178.1
82.5°	62.1	92.1	106.0	116.0	124.1
85°	38.1	50.0	60.0	64.1	66.1
87.5°	17.9	20.0	20.0	15.9	15.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)