

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P842894

Luminaire Tested: **22CZ2-20HE-RDP-UNV-B40**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P842894
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P274731)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 1/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22CZ2-20HE-RDP-UNV-B40
Description: 2X2 2000 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 4000K CCT AND RDP LENS

Light Source: -
Ballast/Driver: -

Summary

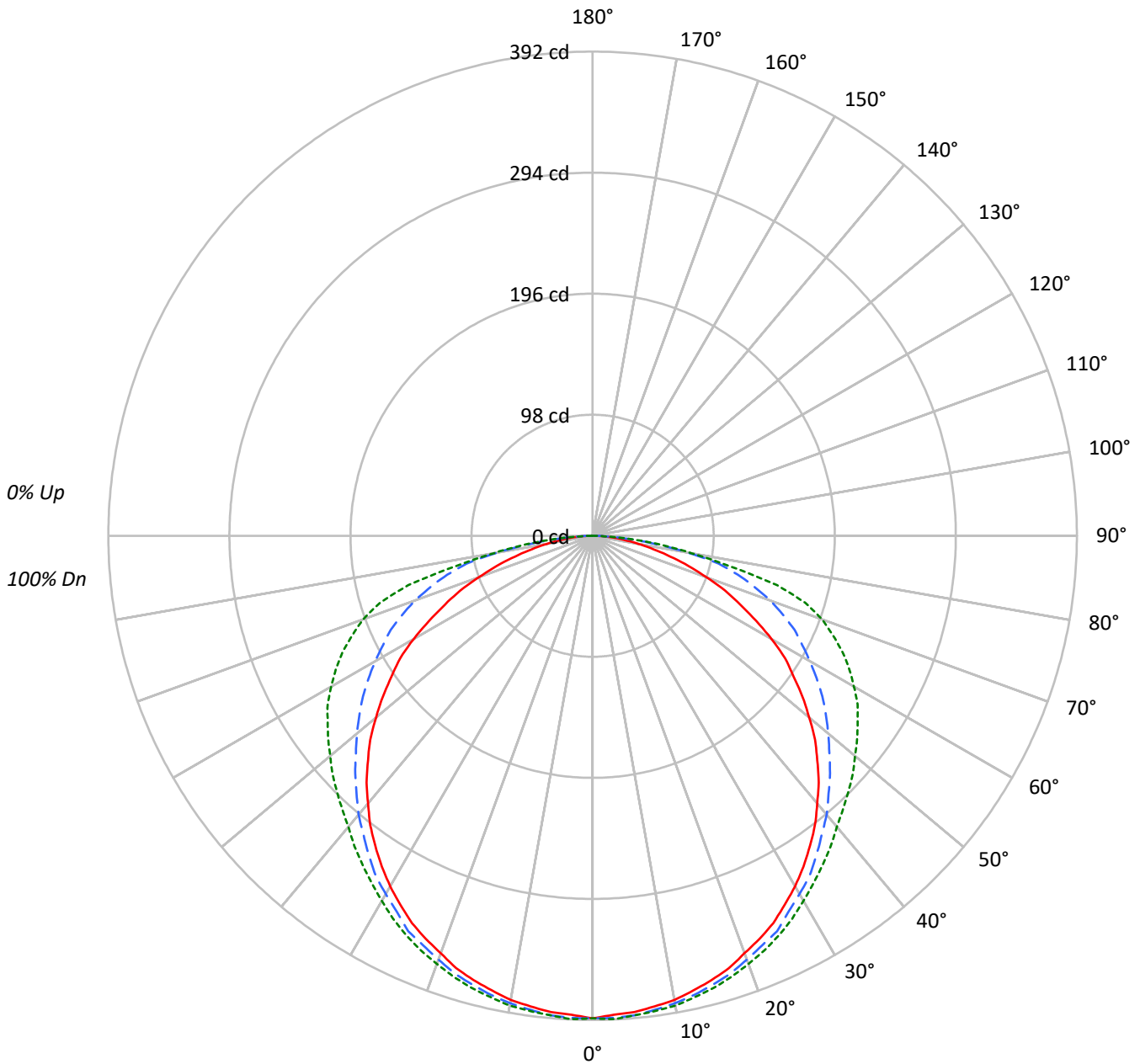
Lumens per Lamp: N/A
Luminaire Lumens: 1244.0 lumens
Efficiency: N/A
Efficacy: 77.7 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.3 / 1.41
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')
CIE Type: Direct

Input Watts (W): 16
Input Voltage (V): NR
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: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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	100																			
1	108	103	98	94	105	100	96	92	96	92	89	92	89	86	88	86	84	82																			
2	97	88	81	75	95	86	80	74	83	77	72	80	75	71	76	72	69	67																			
3	88	77	68	61	86	75	67	61	72	65	60	70	64	59	67	62	58	55																			
4	80	68	59	51	78	66	58	51	64	56	50	61	55	50	59	54	49	47																			
5	74	60	51	44	72	59	50	44	57	49	43	55	48	43	53	47	42	40																			
6	68	54	45	38	66	53	44	38	51	43	38	50	43	37	48	42	37	35																			
7	63	49	40	33	61	48	39	33	47	39	33	45	38	33	44	37	33	31																			
8	59	45	36	30	57	44	35	30	43	35	29	41	34	29	40	34	29	27																			
9	55	41	32	27	53	40	32	27	39	32	26	38	31	26	37	31	26	24																			
10	51	38	30	24	50	37	29	24	36	29	24	35	29	24	34	28	24	22																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1109	1109	1109
5°	1103	1110	1110
10°	1100	1107	1113
15°	1094	1105	1113
20°	1086	1102	1114
25°	1083	1106	1117
30°	1074	1097	1118
35°	1062	1094	1125
40°	1048	1092	1139
45°	1032	1091	1175
50°	1010	1099	1224
55°	982	1122	1295
60°	950	1153	1386
65°	885	1211	1499
70°	812	1269	1639
75°	713	1334	1695
80°	613	1271	1330
85°	534	921	1013



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.0	3.0
10°-20°	106.1	8.5
20°-30°	161.9	13.0
30°-40°	197.7	15.9
40°-50°	211.4	17.0
50°-60°	204.0	16.4
60°-70°	175.6	14.1
70°-80°	118.8	9.6
80°-90°	31.3	2.5
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°	305.0	24.5
0°-40°	502.7	40.4
0°-60°	918.2	73.8
0°-90°	1244.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1244.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	391	391	391	391	391	
5°	387	388	390	390	390	37
15°	372	373	376	378	379	105
25°	346	348	353	355	357	159
35°	307	309	316	322	325	192
45°	257	262	272	286	293	198
55°	199	205	227	250	262	178
65°	132	145	180	209	223	131
75°	65	86	122	146	155	70
85°	16	23	28	29	31	19
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	390.7	390.7	390.7	390.7	390.7
2.5°	388.1	389.0	390.7	390.7	391.7
5°	387.1	388.1	389.8	389.8	389.8
7.5°	384.3	385.3	387.1	388.1	388.1
10°	381.6	382.6	384.3	385.3	386.2
12.5°	377.0	377.9	380.7	382.6	382.6
15°	372.4	373.4	376.2	377.9	378.9
17.5°	367.0	368.8	371.5	373.4	374.3
20°	359.6	361.5	365.1	367.9	368.8
22.5°	353.2	355.1	358.8	361.5	363.3
25°	346.0	347.7	353.2	355.1	356.9
27.5°	336.8	338.6	343.2	346.8	349.6
30°	327.7	329.4	334.9	339.5	341.3
32.5°	317.5	320.3	326.7	330.3	333.1
35°	306.6	309.3	315.8	322.2	324.9
37.5°	295.6	298.4	304.7	313.0	316.7
40°	282.8	286.5	294.7	305.6	307.5
42.5°	270.9	275.4	282.8	295.6	300.1
45°	257.1	261.8	271.8	285.6	292.8
47.5°	244.3	248.9	259.9	276.4	285.6
50°	228.8	235.2	248.9	268.2	277.3
52.5°	214.1	219.7	238.0	259.0	269.9
55°	198.6	205.0	226.9	249.9	261.8
57.5°	184.8	190.3	215.0	240.7	254.4
60°	167.4	174.8	203.1	230.6	244.3
62.5°	149.1	160.1	191.2	219.7	234.3
65°	131.8	144.6	180.3	208.6	223.3
67.5°	116.2	129.9	166.5	196.7	210.5
70°	97.9	115.3	152.9	182.1	197.6
72.5°	81.4	100.6	137.2	166.5	180.3
75°	65.0	86.0	121.7	146.5	154.6
77.5°	50.4	70.4	104.4	111.6	112.5
80°	37.5	55.8	77.8	78.7	81.4
82.5°	25.6	39.3	50.4	54.9	55.8
85°	16.4	22.9	28.3	29.3	31.1
87.5°	7.3	8.3	10.0	9.1	9.1
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180° - - 45°-225° - - - - 90°-270°







(END OF REPORT)