

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: P842893

Luminaire Tested: **22CZ2-20HE-RDP-UNV-B35**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P842893
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-B35
Description: 2X2 2000 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3500K CCT AND RDP LENS

Light Source: -
Ballast/Driver: -

Summary

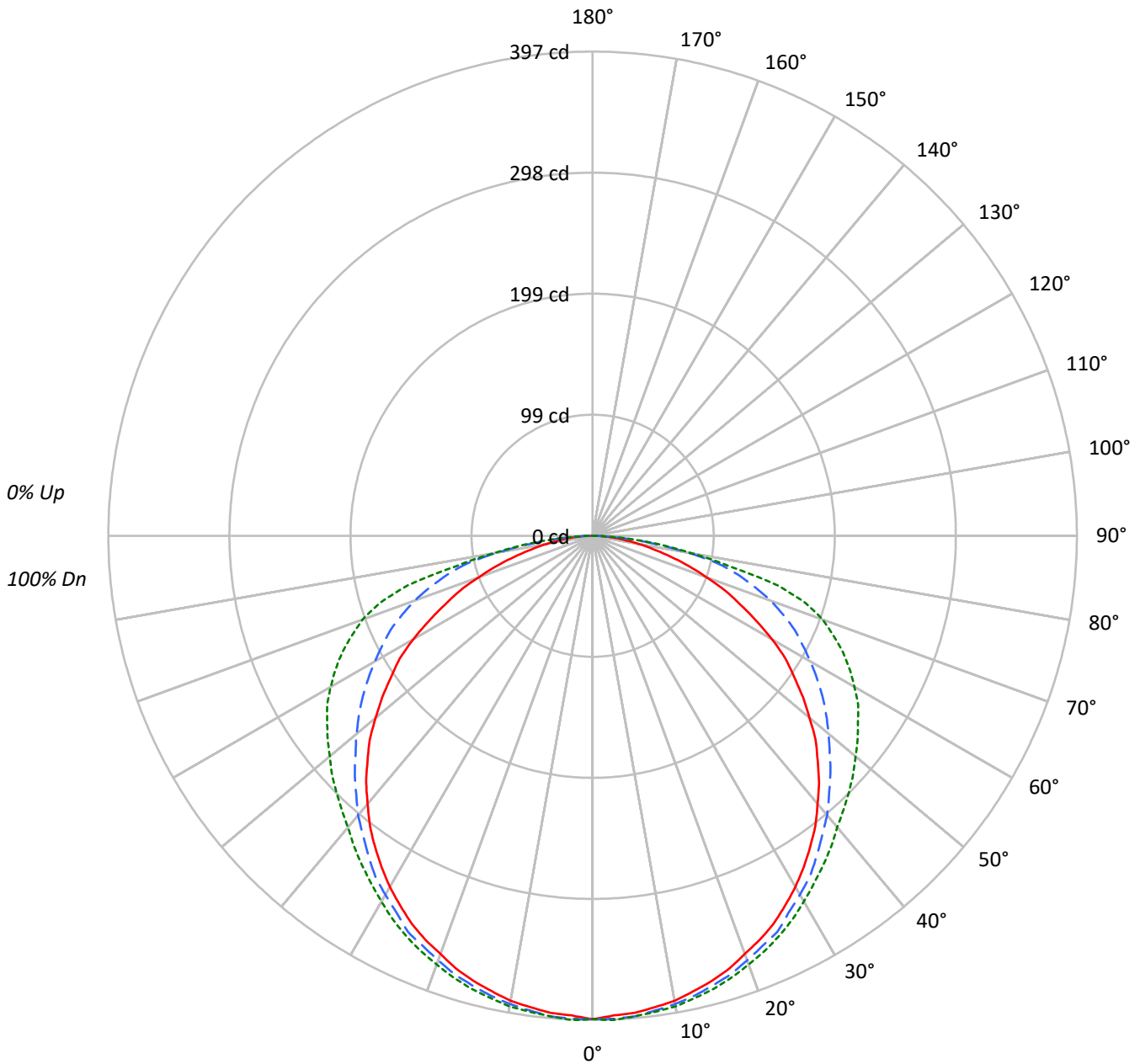
Lumens per Lamp: N/A
Luminaire Lumens: 1262.0 lumens
Efficiency: N/A
Efficacy: 78.9 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.3 / 1.41
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')
CIE Type: Direct

Input Watts (W): 16
Input Voltage (V): NR
Input Current (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: 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°	1125	1125	1125
5°	1119	1127	1127
10°	1115	1123	1129
15°	1110	1121	1129
20°	1102	1118	1130
25°	1099	1122	1133
30°	1089	1113	1135
35°	1078	1110	1142
40°	1063	1108	1156
45°	1047	1106	1192
50°	1025	1115	1242
55°	997	1139	1314
60°	964	1170	1407
65°	898	1228	1521
70°	824	1287	1663
75°	724	1353	1720
80°	621	1289	1350
85°	544	934	1026



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.5	3.0
10°-20°	107.7	8.5
20°-30°	164.3	13.0
30°-40°	200.6	15.9
40°-50°	214.5	17.0
50°-60°	207.0	16.4
60°-70°	178.2	14.1
70°-80°	120.5	9.6
80°-90°	31.8	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°	309.4	24.5
0°-40°	510.0	40.4
0°-60°	931.5	73.8
0°-90°	1262.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1262.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	396	396	396	396	396	
5°	393	394	396	396	396	37
15°	378	379	382	383	384	107
25°	351	353	358	360	362	162
35°	311	314	320	327	330	195
45°	261	266	276	290	297	201
55°	202	208	230	254	266	181
65°	134	147	183	212	226	133
75°	66	87	123	149	157	71
85°	17	23	29	30	32	19
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	396.4	396.4	396.4	396.4	396.4
2.5°	393.7	394.6	396.4	396.4	397.4
5°	392.7	393.7	395.5	395.5	395.5
7.5°	389.9	390.9	392.7	393.7	393.7
10°	387.1	388.1	389.9	390.9	391.8
12.5°	382.5	383.4	386.2	388.1	388.1
15°	377.8	378.8	381.6	383.4	384.4
17.5°	372.3	374.1	376.9	378.8	379.7
20°	364.8	366.7	370.4	373.2	374.1
22.5°	358.4	360.3	363.9	366.7	368.5
25°	351.0	352.8	358.4	360.3	362.0
27.5°	341.7	343.5	348.2	351.9	354.7
30°	332.4	334.2	339.8	344.4	346.3
32.5°	322.1	324.9	331.4	335.1	337.9
35°	311.1	313.7	320.3	326.8	329.6
37.5°	299.9	302.7	309.2	317.5	321.2
40°	286.9	290.6	299.0	310.1	312.0
42.5°	274.8	279.4	286.9	299.9	304.5
45°	260.9	265.6	275.7	289.7	297.1
47.5°	247.9	252.5	263.6	280.4	289.7
50°	232.1	238.6	252.5	272.0	281.3
52.5°	217.2	222.8	241.4	262.8	273.8
55°	201.5	208.0	230.2	253.5	265.6
57.5°	187.5	193.1	218.1	244.2	258.1
60°	169.8	177.3	206.1	233.9	247.9
62.5°	151.3	162.5	194.0	222.8	237.7
65°	133.7	146.7	182.9	211.7	226.5
67.5°	117.8	131.8	168.9	199.6	213.6
70°	99.3	117.0	155.1	184.7	200.5
72.5°	82.6	102.1	139.2	168.9	182.9
75°	66.0	87.2	123.4	148.6	156.9
77.5°	51.1	71.4	105.9	113.3	114.2
80°	38.0	56.6	78.9	79.8	82.6
82.5°	25.9	39.9	51.1	55.7	56.6
85°	16.7	23.3	28.7	29.7	31.5
87.5°	7.4	8.4	10.2	9.3	9.3
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)