

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: P842895

Luminaire Tested: **22CZ2-20HE-RDP-UNV-B50**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P842895
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-B50
Description: 2X2 2000 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 5000K CCT AND RDP LENS

Light Source: -
Ballast/Driver: -

Summary

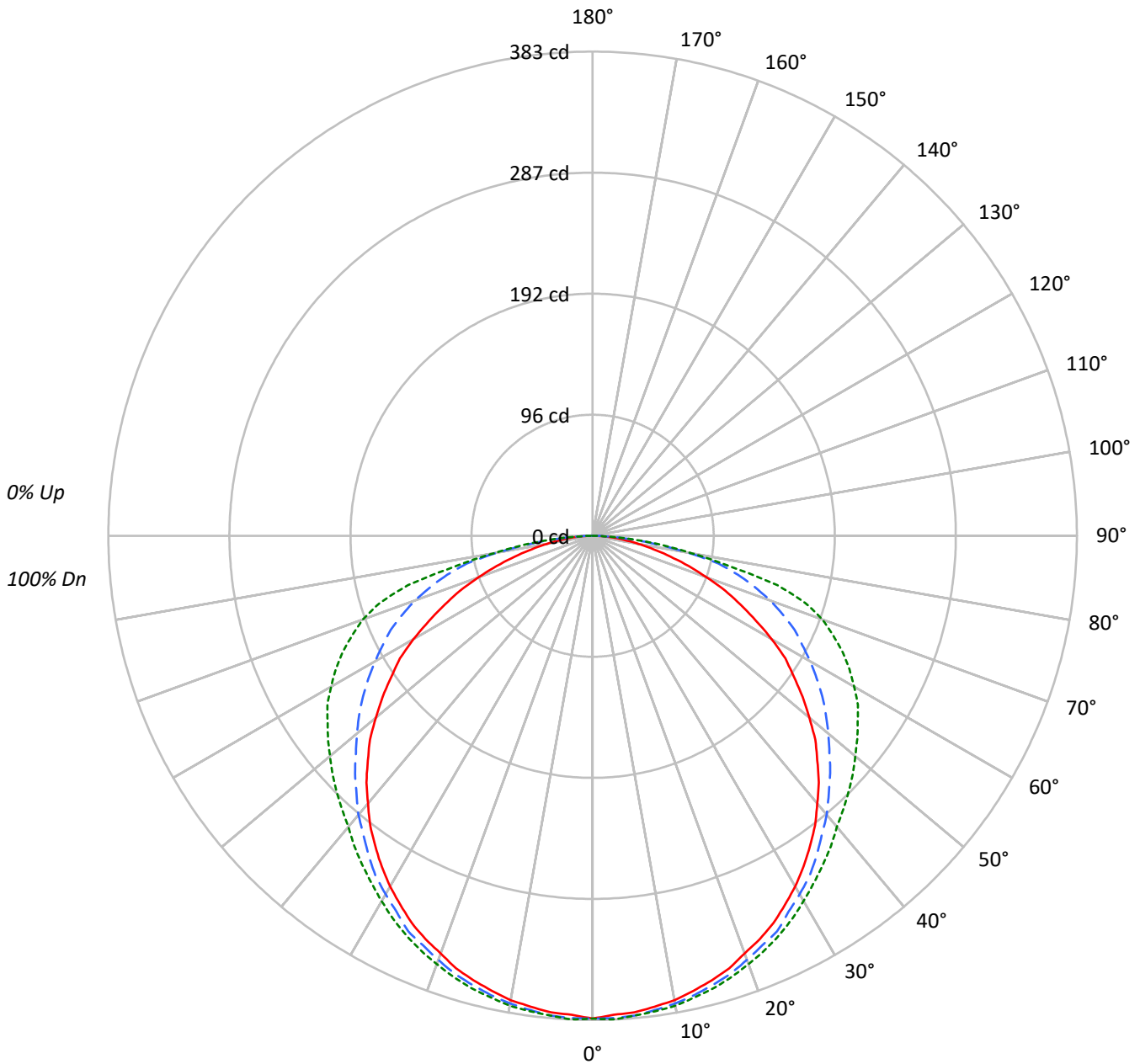
Lumens per Lamp: N/A
Luminaire Lumens: 1216.0 lumens
Efficiency: N/A
Efficacy: 76.0 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.3 / 1.41
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1084	1084	1084
5°	1078	1086	1086
10°	1075	1083	1088
15°	1069	1080	1088
20°	1061	1078	1089
25°	1059	1081	1092
30°	1049	1073	1093
35°	1038	1069	1100
40°	1024	1067	1113
45°	1008	1066	1149
50°	988	1074	1197
55°	960	1097	1266
60°	928	1127	1355
65°	865	1184	1466
70°	794	1239	1603
75°	697	1304	1658
80°	598	1244	1301
85°	524	902	990



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.1	3.0
10°-20°	103.7	8.5
20°-30°	158.3	13.0
30°-40°	193.3	15.9
40°-50°	206.6	17.0
50°-60°	199.5	16.4
60°-70°	171.7	14.1
70°-80°	116.1	9.6
80°-90°	30.6	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°	298.2	24.5
0°-40°	491.4	40.4
0°-60°	897.5	73.8
0°-90°	1216.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1216.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	382	382	382	382	382	
5°	378	379	381	381	381	36
15°	364	365	368	369	370	103
25°	338	340	345	347	349	156
35°	300	302	309	315	318	188
45°	251	256	266	279	286	194
55°	194	200	222	244	256	174
65°	129	141	176	204	218	128
75°	64	84	119	143	151	68
85°	16	22	28	29	30	18
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	381.9	381.9	381.9	381.9	381.9
2.5°	379.3	380.2	381.9	381.9	382.9
5°	378.4	379.3	381.1	381.1	381.1
7.5°	375.7	376.6	378.4	379.3	379.3
10°	373.0	373.9	375.7	376.6	377.5
12.5°	368.6	369.4	372.1	373.9	373.9
15°	364.0	365.0	367.7	369.4	370.4
17.5°	358.8	360.5	363.2	365.0	365.9
20°	351.5	353.4	356.9	359.6	360.5
22.5°	345.3	347.1	350.7	353.4	355.1
25°	338.2	339.9	345.3	347.1	348.8
27.5°	329.2	331.0	335.5	339.0	341.7
30°	320.3	322.0	327.4	331.8	333.7
32.5°	310.4	313.1	319.3	322.9	325.6
35°	299.7	302.3	308.7	314.9	317.6
37.5°	288.9	291.6	297.9	306.0	309.5
40°	276.4	280.0	288.1	298.8	300.6
42.5°	264.8	269.2	276.4	288.9	293.4
45°	251.3	255.9	265.7	279.1	286.3
47.5°	238.8	243.3	254.0	270.2	279.1
50°	223.7	229.9	243.3	262.1	271.1
52.5°	209.3	214.7	232.6	253.2	263.8
55°	194.1	200.4	221.8	244.2	255.9
57.5°	180.7	186.1	210.2	235.3	248.7
60°	163.6	170.9	198.6	225.4	238.8
62.5°	145.8	156.5	186.9	214.7	229.0
65°	128.9	141.3	176.3	203.9	218.3
67.5°	113.6	127.0	162.8	192.3	205.8
70°	95.7	112.7	149.4	178.0	193.2
72.5°	79.6	98.4	134.1	162.8	176.3
75°	63.6	84.0	118.9	143.2	151.2
77.5°	49.2	68.8	102.0	109.1	110.0
80°	36.6	54.5	76.1	76.9	79.6
82.5°	25.0	38.5	49.2	53.7	54.5
85°	16.1	22.4	27.7	28.7	30.4
87.5°	7.1	8.1	9.8	8.9	8.9
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)