

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: P731791

Luminaire Tested: **14CZ2-20-HRP-B2750-W2D-2700K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P731791
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P294787)
Test Lab: INNOVATIONS CENTER(G3)
Issue Date: 1/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 14CZ2-20-HRP-B2750-W2D-2700K
Description: 1X4 2000 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 2700K CCT AND HRP LENS

Light Source: -
Ballast/Driver: -

Summary

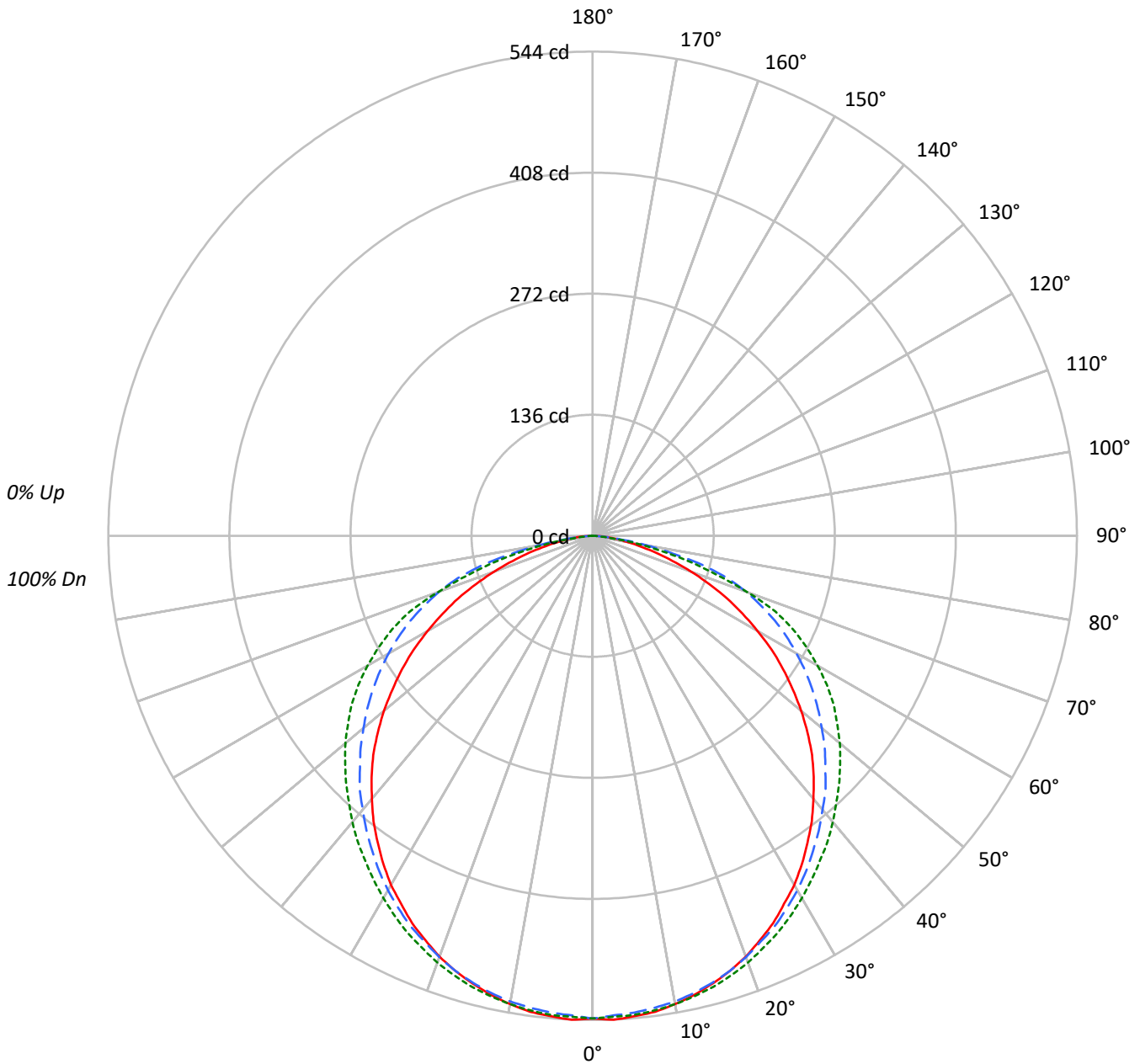
Lumens per Lamp: N/A
Luminaire Lumens: 1597.0 lumens
Efficiency: N/A
Efficacy: 99.8 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.29 / 1.39
Luminous Opening: Rectangular (W 0.96' x L: 3.98' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P731791

CATALOG NUMBER: 14CZ2-20-HRP-B2750-W2D-2700K

Luminous Intensity Polar Plot





TEST NUMBER: P731791

CATALOG NUMBER: 14CZ2-20-HRP-B2750-W2D-2700K

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								
1	109	104	100	96	106	102	98	94	97	94	91	93	91	88	90	88	86	84								
2	99	90	83	78	96	88	82	77	85	79	75	82	77	73	78	75	71	69								
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58								
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49								
5	75	62	53	46	73	61	53	46	59	51	46	57	50	45	55	49	45	42								
6	69	56	47	40	68	55	46	40	53	45	40	51	45	39	50	44	39	37								
7	64	51	42	36	63	50	41	35	48	41	35	47	40	35	45	39	35	33								
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	36	31	29								
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26								
10	52	39	31	26	51	38	31	26	37	30	26	37	30	25	36	30	25	24								

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1531	1531	1531
5°	1535	1524	1531
10°	1531	1523	1531
15°	1522	1519	1533
20°	1511	1513	1533
25°	1495	1508	1533
30°	1476	1499	1532
35°	1450	1488	1535
40°	1421	1480	1547
45°	1391	1475	1564
50°	1343	1475	1592
55°	1285	1483	1626
60°	1208	1494	1647
65°	1113	1509	1657
70°	971	1513	1525
75°	799	1408	1232
80°	627	1013	824
85°	489	392	194



TEST NUMBER: P731791

CATALOG NUMBER: 14CZ2-20-HRP-B2750-W2D-2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.3	3.2
10°-20°	147.3	9.2
20°-30°	223.7	14.0
30°-40°	271.1	17.0
40°-50°	285.7	17.9
50°-60°	266.7	16.7
60°-70°	213.1	13.3
70°-80°	117.3	7.3
80°-90°	20.7	1.3
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°	422.4	26.5
0°-40°	693.5	43.4
0°-60°	1245.9	78.0
0°-90°	1597.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1597.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	542	542	542	542	542	
5°	542	540	538	541	540	52
15°	521	521	520	525	525	147
25°	480	481	484	491	492	221
35°	421	425	432	443	445	263
45°	348	355	370	386	392	268
55°	261	274	301	322	330	233
65°	167	188	226	244	248	164
75°	73	105	129	116	113	79
85°	15	19	12	8	6	18
90°	0	0	0	0	0	



TEST NUMBER: P731791

CATALOG NUMBER: 14CZ2-20-HRP-B2750-W2D-2700K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	542.3	542.3	542.3	542.3	542.3
2.5°	544.3	542.8	539.4	542.3	540.9
5°	541.9	540.4	537.8	541.4	540.4
7.5°	539.4	537.3	534.8	538.9	537.8
10°	534.3	532.8	531.4	534.8	534.3
12.5°	528.3	527.8	526.3	530.3	529.8
15°	520.8	520.8	519.8	524.7	524.7
17.5°	512.7	512.2	512.7	518.3	517.8
20°	503.1	503.1	503.7	510.3	510.3
22.5°	491.6	492.1	493.6	501.6	501.1
25°	480.1	481.0	484.1	491.1	492.1
27.5°	466.0	468.6	472.0	480.5	481.5
30°	452.9	454.5	459.9	468.1	470.0
32.5°	437.4	440.4	446.5	455.5	458.0
35°	420.8	424.9	431.8	442.9	445.4
37.5°	404.3	407.8	417.4	428.8	433.4
40°	385.7	391.7	401.7	414.8	419.8
42.5°	367.5	373.6	387.2	400.7	405.3
45°	348.5	355.1	369.6	386.2	391.7
47.5°	327.4	335.0	353.6	371.1	377.1
50°	305.8	315.3	335.9	355.6	362.6
52.5°	283.3	295.2	318.9	339.5	346.1
55°	261.2	274.1	301.3	322.4	330.4
57.5°	238.5	252.7	283.3	307.3	311.9
60°	213.9	231.0	264.6	285.7	291.8
62.5°	189.9	209.4	245.5	265.6	270.7
65°	166.7	187.8	226.0	244.5	248.1
67.5°	141.6	166.7	204.4	221.5	222.4
70°	117.6	146.7	183.3	191.3	184.8
72.5°	93.9	125.1	158.7	152.1	146.7
75°	73.3	105.0	129.1	116.0	113.0
77.5°	54.3	85.9	92.4	85.4	79.8
80°	38.6	67.7	62.3	53.2	50.7
82.5°	26.6	42.7	34.2	26.6	23.1
85°	15.1	19.1	12.1	7.5	6.0
87.5°	6.5	4.6	2.5	2.0	2.0
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)