

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: P731792

Luminaire Tested: **14CZ2-20-HRP-B2750-W2D-3000K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P731792
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-3000K
Description: 1X4 2000 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3000K CCT AND HRP LENS

Light Source: -
Ballast/Driver: -

Summary

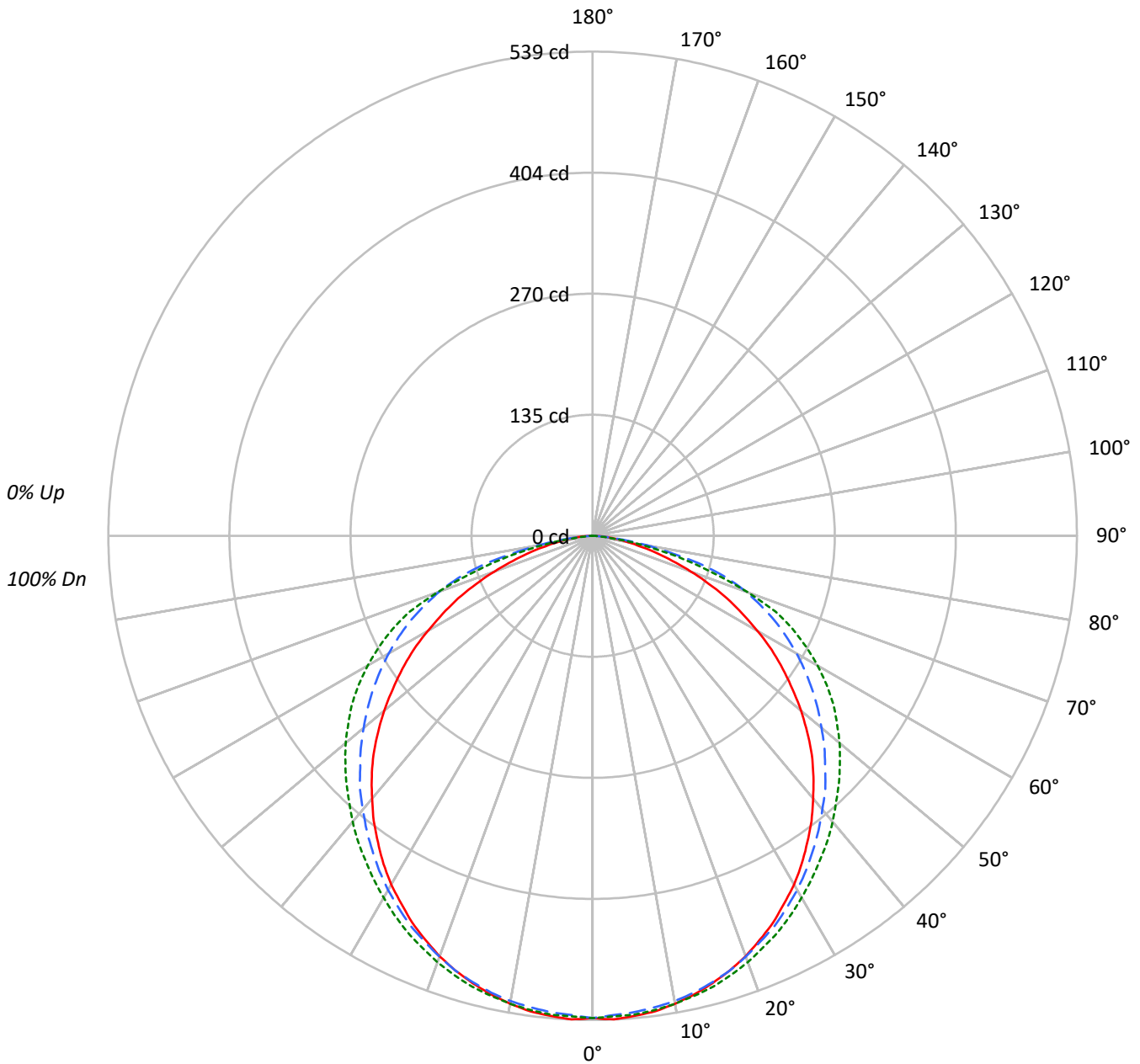
Lumens per Lamp: N/A
Luminaire Lumens: 1581.0 lumens
Efficiency: N/A
Efficacy: 98.8 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.29 / 1.39
Luminous Opening: Rectangular (W 0.96' x L: 3.98' x H: 0')
CIE Type: Direct

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

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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	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°	1515	1515	1515
5°	1520	1509	1516
10°	1516	1508	1516
15°	1507	1504	1518
20°	1496	1498	1517
25°	1480	1492	1517
30°	1461	1484	1517
35°	1436	1473	1520
40°	1407	1465	1531
45°	1377	1461	1548
50°	1329	1460	1576
55°	1272	1468	1610
60°	1195	1479	1631
65°	1103	1494	1640
70°	961	1497	1509
75°	792	1394	1219
80°	621	1001	816
85°	486	389	191



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.8	3.2
10°-20°	145.9	9.2
20°-30°	221.5	14.0
30°-40°	268.4	17.0
40°-50°	282.8	17.9
50°-60°	264.0	16.7
60°-70°	211.0	13.3
70°-80°	116.1	7.3
80°-90°	20.5	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°	418.2	26.5
0°-40°	686.6	43.4
0°-60°	1233.4	78.0
0°-90°	1581.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1581.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	537	537	537	537	537	
5°	536	535	532	536	535	51
15°	516	516	515	520	520	146
25°	475	476	479	486	487	219
35°	417	421	428	438	441	261
45°	345	352	366	382	388	265
55°	258	271	298	319	327	231
65°	165	186	224	242	246	163
75°	73	104	128	115	112	78
85°	15	19	12	7	6	18
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	536.9	536.9	536.9	536.9	536.9
2.5°	538.9	537.4	534.0	536.9	535.5
5°	536.5	535.0	532.4	536.0	535.0
7.5°	534.0	531.9	529.4	533.5	532.4
10°	528.9	527.4	526.0	529.4	528.9
12.5°	523.0	522.5	521.0	525.0	524.5
15°	515.6	515.6	514.6	519.5	519.5
17.5°	507.5	507.0	507.5	513.1	512.6
20°	498.1	498.1	498.6	505.1	505.1
22.5°	486.7	487.2	488.7	496.6	496.1
25°	475.3	476.2	479.2	486.1	487.2
27.5°	461.4	463.9	467.3	475.7	476.7
30°	448.4	449.9	455.3	463.4	465.3
32.5°	433.1	435.9	442.0	450.9	453.4
35°	416.6	420.6	427.5	438.5	441.0
37.5°	400.2	403.7	413.2	424.5	429.0
40°	381.8	387.8	397.7	410.7	415.6
42.5°	363.9	369.9	383.4	396.7	401.2
45°	345.0	351.5	365.9	382.4	387.8
47.5°	324.1	331.6	350.0	367.4	373.3
50°	302.7	312.1	332.5	352.0	358.9
52.5°	280.4	292.3	315.7	336.1	342.6
55°	258.5	271.4	298.3	319.2	327.1
57.5°	236.2	250.1	280.4	304.2	308.7
60°	211.7	228.7	261.9	282.8	288.9
62.5°	188.0	207.3	243.1	263.0	268.0
65°	165.1	186.0	223.7	242.1	245.6
67.5°	140.2	165.1	202.3	219.3	220.2
70°	116.4	145.2	181.4	189.4	182.9
72.5°	93.0	123.8	157.1	150.6	145.2
75°	72.6	103.9	127.8	114.9	111.8
77.5°	53.7	85.1	91.5	84.5	79.0
80°	38.2	67.1	61.6	52.7	50.2
82.5°	26.3	42.3	33.8	26.3	22.9
85°	15.0	18.9	12.0	7.4	5.9
87.5°	6.4	4.5	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)