

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: P880628

Luminaire Tested: **22CZ2-20VHE-HRP-B2750-W2D-3000K**

Issue Date: 10/2/2024

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.



Test Information

Test Method: LM-79-08
Report Number: P880628
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P475114)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 10/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22CZ2-20VHE-HRP-B2750-W2D-3000K
Description: 2X2 2000 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3000K CCT AND HRP LENS

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

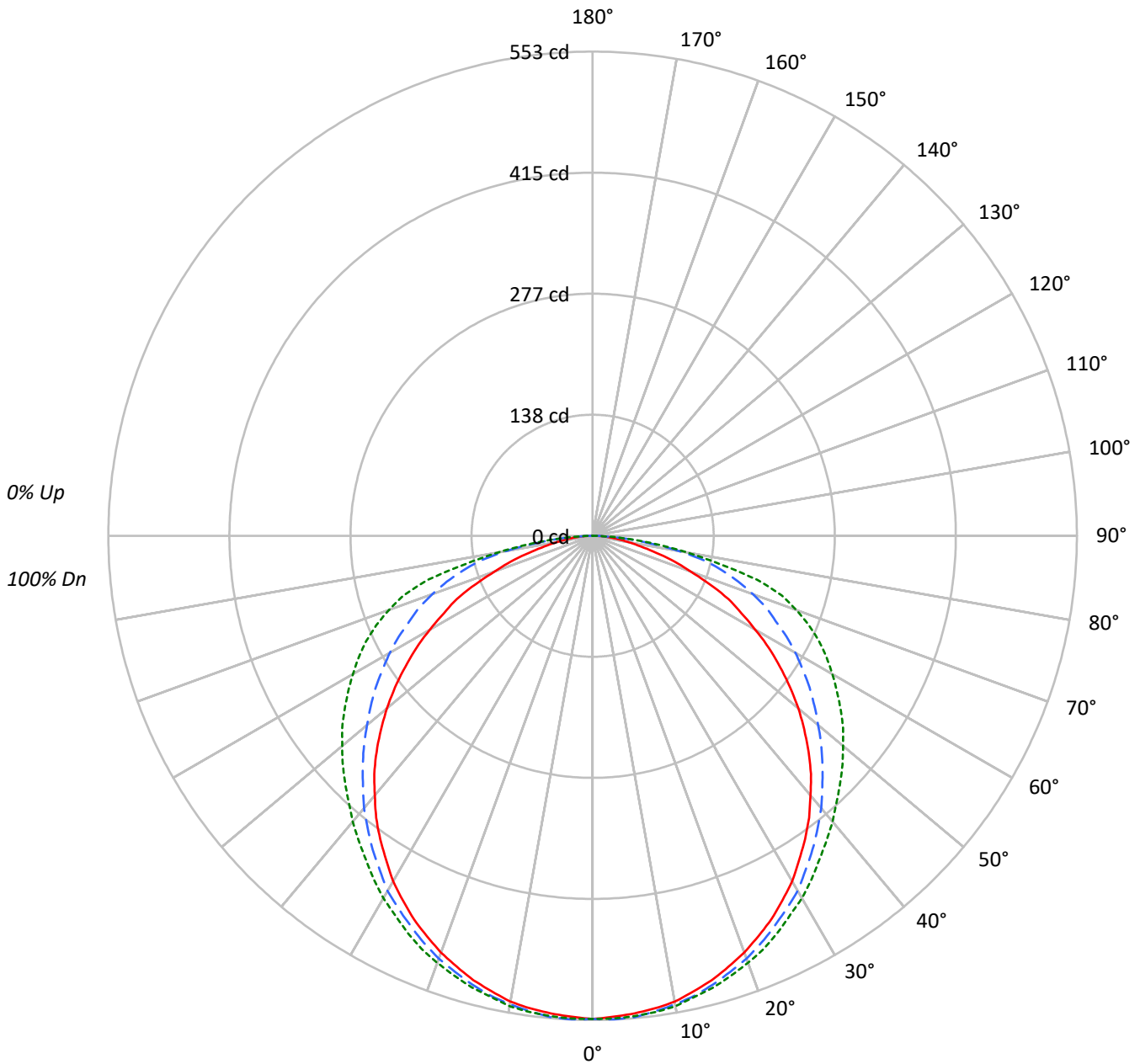
Lumens per Lamp: N/A
Luminaire Lumens: 1676.0 lumens
Efficiency: N/A
Efficacy: 104.8 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.29 / 1.38
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')
CIE Type: Direct

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				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	101	96	93	96	93	90	92	90	87	89	87	84	82				82
2	98	89	82	76	95	87	80	75	84	78	73	80	75	71	77	73	70	68				68
3	89	78	69	62	86	76	68	62	73	66	61	70	64	60	68	63	59	56				56
4	81	69	59	52	79	67	59	52	65	57	51	62	56	51	60	55	50	48				48
5	74	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41				41
6	69	55	46	39	67	54	45	39	52	44	39	50	43	38	49	43	38	36				36
7	64	50	41	34	62	49	40	34	47	40	34	46	39	34	44	38	33	31				31
8	59	45	37	31	58	45	36	31	43	36	30	42	35	30	41	35	30	28				28
9	55	42	33	28	54	41	33	27	40	32	27	39	32	27	38	31	27	25				25
10	52	38	30	25	50	38	30	25	37	30	25	36	29	25	35	29	24	23				23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1566	1566	1566
5°	1560	1572	1569
10°	1557	1566	1572
15°	1544	1559	1568
20°	1529	1551	1567
25°	1513	1539	1566
30°	1493	1534	1566
35°	1465	1516	1564
40°	1433	1504	1578
45°	1400	1490	1604
50°	1353	1484	1647
55°	1292	1496	1710
60°	1218	1518	1794
65°	1150	1548	1917
70°	982	1614	2053
75°	823	1682	2133
80°	675	1624	1780
85°	586	1205	1306



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.3	3.1
10°-20°	149.6	8.9
20°-30°	226.8	13.5
30°-40°	273.8	16.3
40°-50°	287.7	17.2
50°-60°	270.7	16.2
60°-70°	225.7	13.5
70°-80°	149.6	8.9
80°-90°	39.9	2.4
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°	428.7	25.6
0°-40°	702.5	41.9
0°-60°	1260.9	75.2
0°-90°	1676.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1676.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	552	552	552	552	552	
5°	548	549	552	552	551	52
15°	526	528	531	533	534	148
25°	483	486	492	498	500	222
35°	423	427	438	447	451	264
45°	349	354	371	390	400	269
55°	261	273	302	333	346	234
65°	171	186	230	268	286	167
75°	75	105	153	185	195	82
85°	18	28	37	40	40	21
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	551.9	551.9	551.9	551.9	551.9
2.5°	549.8	550.8	552.9	552.9	551.9
5°	547.6	548.7	551.9	551.9	550.8
7.5°	544.5	545.6	547.6	549.8	548.7
10°	540.3	541.3	543.4	545.6	545.6
12.5°	532.9	533.9	538.1	539.3	539.3
15°	525.5	527.6	530.7	532.9	533.9
17.5°	516.0	518.1	522.3	526.5	526.5
20°	506.5	508.6	513.8	518.1	519.0
22.5°	494.8	498.0	503.3	508.6	510.7
25°	483.2	486.4	491.7	498.0	500.1
27.5°	469.4	472.6	480.0	487.4	488.4
30°	455.7	458.8	468.3	474.7	477.9
32.5°	438.8	443.0	452.5	462.0	465.2
35°	422.9	427.1	437.7	447.3	451.4
37.5°	406.0	410.1	421.9	433.6	438.8
40°	386.9	392.3	406.0	418.7	426.1
42.5°	369.0	374.3	388.1	405.0	412.3
45°	348.9	354.1	371.2	390.1	399.7
47.5°	327.7	334.1	354.1	377.5	386.9
50°	306.6	314.0	336.2	362.6	373.2
52.5°	284.3	293.9	319.3	347.9	360.5
55°	261.1	272.8	302.4	333.0	345.7
57.5°	238.9	249.6	284.3	317.2	330.9
60°	214.6	228.4	267.4	301.2	316.1
62.5°	191.4	206.2	249.6	285.5	301.2
65°	171.3	186.0	230.5	268.5	285.5
67.5°	144.8	165.0	214.6	250.5	267.4
70°	118.4	145.9	194.6	231.5	247.4
72.5°	98.3	124.7	174.5	211.5	226.2
75°	75.1	104.7	153.4	185.0	194.6
77.5°	56.1	86.7	131.1	147.0	148.0
80°	41.3	66.5	99.4	104.7	108.9
82.5°	28.6	46.5	64.5	70.8	73.0
85°	18.0	27.5	37.0	40.1	40.1
87.5°	9.5	10.6	12.7	12.7	12.7
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)