

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: P880625

Luminaire Tested: **22CZ2-20VHE-B2750-W2D-4000K**

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: P880625
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P474795)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 10/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22CZ2-20VHE-B2750-W2D-4000K
Description: 2X2 2000 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 4000K CCT AND RIBBED LENS

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

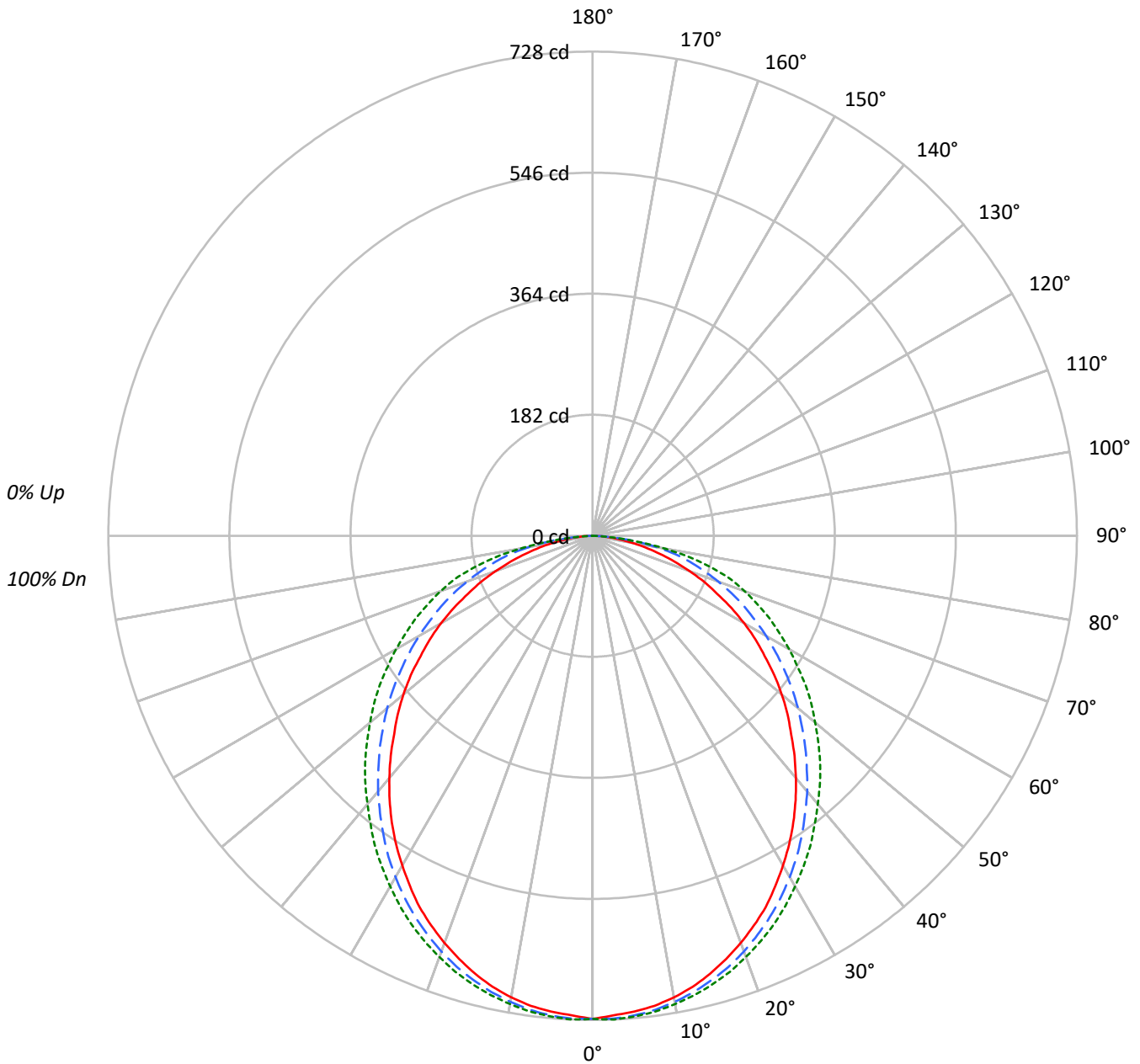
Lumens per Lamp: N/A
Luminaire Lumens: 2003.0 lumens
Efficiency: N/A
Efficacy: 125.2 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.25 / 1.33
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')
CIE Type: Direct

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					
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	99	95	106	101	97	94	97	94	91	93	91	88	90	87	85	83								
2	99	90	83	77	96	88	82	77	85	79	75	81	77	73	78	75	71	69								
3	90	79	71	64	87	78	70	64	75	68	63	72	66	61	69	64	60	58								
4	82	70	61	54	80	69	60	54	66	59	53	64	58	53	62	56	52	50								
5	76	63	54	47	73	62	53	47	59	52	46	57	51	46	56	50	45	43								
6	70	56	47	41	68	55	47	41	54	46	40	52	45	40	50	44	40	38								
7	65	51	42	36	63	50	42	36	49	41	36	47	41	36	46	40	35	33								
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	32	30								
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	29	27								
10	53	40	32	26	52	39	31	26	38	31	26	37	31	26	36	30	26	24								

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2061	2061	2061
5°	2046	2062	2066
10°	2031	2050	2060
15°	2003	2032	2050
20°	1967	2008	2035
25°	1928	1977	2018
30°	1875	1942	1994
35°	1822	1900	1975
40°	1761	1858	1951
45°	1693	1816	1941
50°	1639	1779	1926
55°	1562	1740	1931
60°	1492	1710	1936
65°	1386	1688	1967
70°	1282	1664	2015
75°	1147	1658	2028
80°	961	1570	1770
85°	746	1078	1006



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.6	3.4
10°-20°	194.8	9.7
20°-30°	290.5	14.5
30°-40°	342.9	17.1
40°-50°	349.5	17.4
50°-60°	315.2	15.7
60°-70°	247.7	12.4
70°-80°	155.1	7.7
80°-90°	38.7	1.9
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°	553.9	27.7
0°-40°	896.8	44.8
0°-60°	1561.5	78.0
0°-90°	2003.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2003.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	726	726	726	726	726	
5°	718	720	724	726	726	68
15°	682	685	692	697	698	192
25°	616	621	632	641	645	283
35°	526	533	549	564	570	329
45°	422	431	452	474	484	326
55°	316	326	352	379	390	283
65°	206	219	251	279	293	206
75°	105	120	151	178	185	111
85°	23	29	33	33	31	28
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	726.4	726.4	726.4	726.4	726.4
2.5°	721.7	723.5	726.8	728.1	728.1
5°	718.3	720.0	723.9	725.5	725.5
7.5°	712.8	714.5	719.2	721.3	721.7
10°	704.8	706.9	711.5	715.0	715.0
12.5°	694.7	696.7	702.7	706.9	707.3
15°	681.9	684.9	691.7	696.7	698.0
17.5°	667.1	671.8	679.4	685.8	687.1
20°	651.4	656.1	665.0	672.2	673.9
22.5°	634.1	638.3	648.9	657.9	659.9
25°	615.9	620.6	631.6	641.3	644.7
27.5°	594.3	599.8	613.0	623.9	627.4
30°	572.3	579.1	592.6	604.9	608.7
32.5°	549.9	556.2	571.4	584.5	589.7
35°	526.1	532.9	548.6	563.8	570.2
37.5°	501.2	508.0	524.9	542.2	548.1
40°	475.4	483.4	501.7	520.2	526.6
42.5°	449.2	457.6	476.6	497.4	505.8
45°	422.0	431.3	452.5	474.5	483.8
47.5°	397.5	405.1	427.2	451.2	460.1
50°	371.2	378.4	403.0	427.2	436.4
52.5°	344.6	351.4	377.6	403.0	414.4
55°	315.8	325.5	351.8	378.8	390.3
57.5°	290.4	299.3	326.4	353.8	364.9
60°	262.9	272.1	301.4	329.4	341.2
62.5°	235.3	245.5	275.1	305.2	316.2
65°	206.5	219.3	251.4	279.3	293.0
67.5°	182.1	194.3	226.1	255.3	267.1
70°	154.5	168.9	200.6	230.3	242.9
72.5°	128.7	143.1	175.6	205.3	218.0
75°	104.6	120.2	151.2	178.2	185.0
77.5°	81.3	96.1	127.0	142.7	149.9
80°	58.8	73.2	96.1	106.7	108.3
82.5°	39.8	52.1	65.2	68.2	66.5
85°	22.9	29.2	33.1	33.1	30.9
87.5°	9.3	9.3	8.1	5.0	3.0
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)