

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: P731936

Luminaire Tested: **22CZ2-20HE-B2750-W2D-2700K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P731936
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P271965)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 1/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22CZ2-20HE-B2750-W2D-2700K
Description: 2X2 2000 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 2700K CCT AND RIBBED LENS

Light Source: -
Ballast/Driver: -

Summary

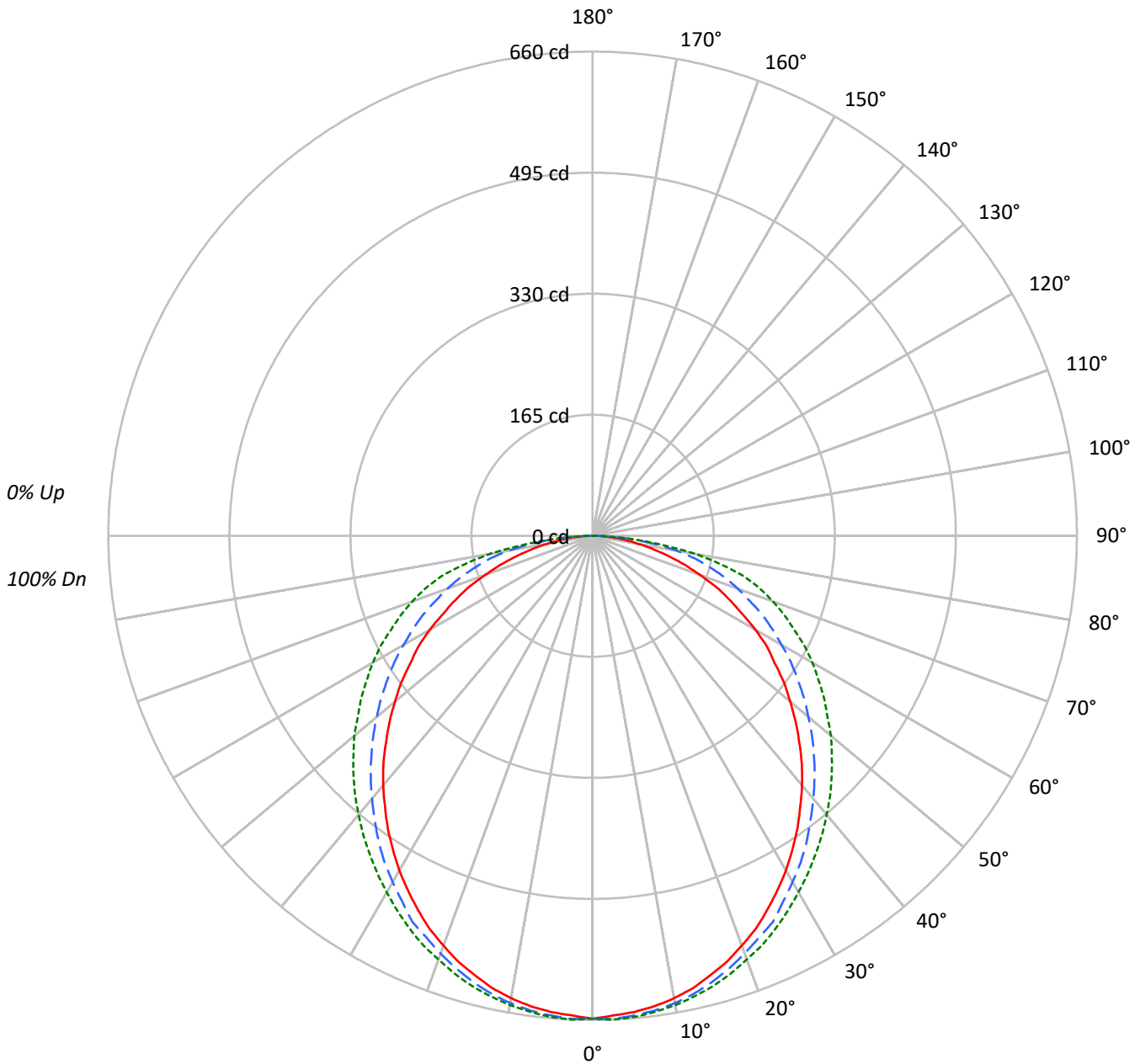
Lumens per Lamp: N/A
Luminaire Lumens: 1936.0 lumens
Efficiency: N/A
Efficacy: 121.0 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.36
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')
CIE Type: Direct

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				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	86	84	82				82
2	98	89	82	76	95	87	81	75	84	78	73	80	76	71	77	73	70	68				68
3	89	78	69	63	86	76	68	62	73	66	61	70	65	60	68	63	59	56				56
4	81	69	60	53	79	67	59	52	65	57	52	63	56	51	60	55	50	48				48
5	75	61	52	45	72	60	52	45	58	50	44	56	49	44	54	48	43	41				41
6	69	55	46	39	67	54	46	39	52	45	39	51	44	39	49	43	38	36				36
7	64	50	41	35	62	49	41	35	48	40	34	46	39	34	45	39	34	32				32
8	59	46	37	31	58	45	37	31	44	36	31	42	35	30	41	35	30	28				28
9	56	42	34	28	54	41	33	28	40	33	28	39	32	27	38	32	27	25				25
10	52	39	31	25	51	38	30	25	37	30	25	36	30	25	35	29	25	23				23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1868	1868	1868
5°	1856	1869	1875
10°	1844	1864	1872
15°	1822	1850	1867
20°	1795	1830	1855
25°	1763	1819	1849
30°	1726	1786	1838
35°	1686	1762	1835
40°	1644	1732	1838
45°	1598	1713	1850
50°	1552	1695	1872
55°	1499	1687	1904
60°	1454	1687	1962
65°	1381	1714	2034
70°	1288	1746	2166
75°	1181	1808	2340
80°	1028	1884	2304
85°	902	1673	1833



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.3	3.2
10°-20°	177.3	9.2
20°-30°	266.2	13.7
30°-40°	318.1	16.4
40°-50°	330.7	17.1
50°-60°	306.6	15.8
60°-70°	251.4	13.0
70°-80°	170.0	8.8
80°-90°	53.4	2.8
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°	505.8	26.1
0°-40°	823.8	42.6
0°-60°	1461.1	75.5
0°-90°	1936.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1936.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	658	658	658	658	658	
5°	652	652	656	657	658	62
15°	620	623	630	634	635	175
25°	563	568	581	588	591	259
35°	487	493	509	524	530	304
45°	398	406	427	452	461	307
55°	303	312	341	372	385	272
65°	206	217	255	289	303	203
75°	108	126	165	198	213	114
85°	28	38	51	57	56	31
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	658.3	658.3	658.3	658.3	658.3
2.5°	654.5	656.3	659.2	660.2	660.2
5°	651.6	652.5	656.3	657.3	658.3
7.5°	646.8	648.7	652.5	653.6	654.5
10°	640.1	642.1	646.8	648.7	649.6
12.5°	631.6	633.5	639.2	642.1	643.0
15°	620.1	623.0	629.7	633.5	635.4
17.5°	608.8	611.5	618.3	623.9	625.9
20°	594.4	601.1	605.9	613.5	614.4
22.5°	580.2	584.0	592.5	600.2	604.0
25°	563.0	567.8	581.1	587.8	590.6
27.5°	545.0	551.6	562.1	572.5	576.3
30°	526.8	531.5	545.0	557.2	561.1
32.5°	506.8	513.5	527.7	540.1	545.9
35°	486.7	493.4	508.7	523.9	529.7
37.5°	464.9	472.5	487.8	505.8	513.5
40°	443.9	449.7	467.7	489.6	496.3
42.5°	422.0	428.7	447.7	471.6	479.2
45°	398.2	405.8	426.8	451.5	461.0
47.5°	375.3	383.0	405.8	430.6	442.0
50°	351.5	361.0	383.9	412.5	424.0
52.5°	328.7	337.3	363.0	392.5	402.9
55°	303.0	312.5	341.1	371.5	384.8
57.5°	281.9	288.6	320.1	351.5	364.8
60°	256.2	264.8	297.2	330.5	345.8
62.5°	228.7	242.9	276.2	310.5	325.8
65°	205.7	217.2	255.3	288.6	303.0
67.5°	182.0	194.4	231.4	266.8	283.0
70°	155.3	171.5	210.5	245.8	261.1
72.5°	131.4	148.7	188.6	222.9	239.1
75°	107.7	125.7	164.9	198.1	213.4
77.5°	84.8	104.8	142.9	168.6	178.2
80°	62.9	82.0	115.3	133.4	141.0
82.5°	43.9	60.0	84.8	94.4	96.2
85°	27.7	38.1	51.4	57.2	56.3
87.5°	12.4	15.3	19.1	21.0	20.0
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)