

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: P731937

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

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P731937
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-3000K
Description: 2X2 2000 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3000K CCT AND RIBBED LENS

Light Source: -
Ballast/Driver: -

Summary

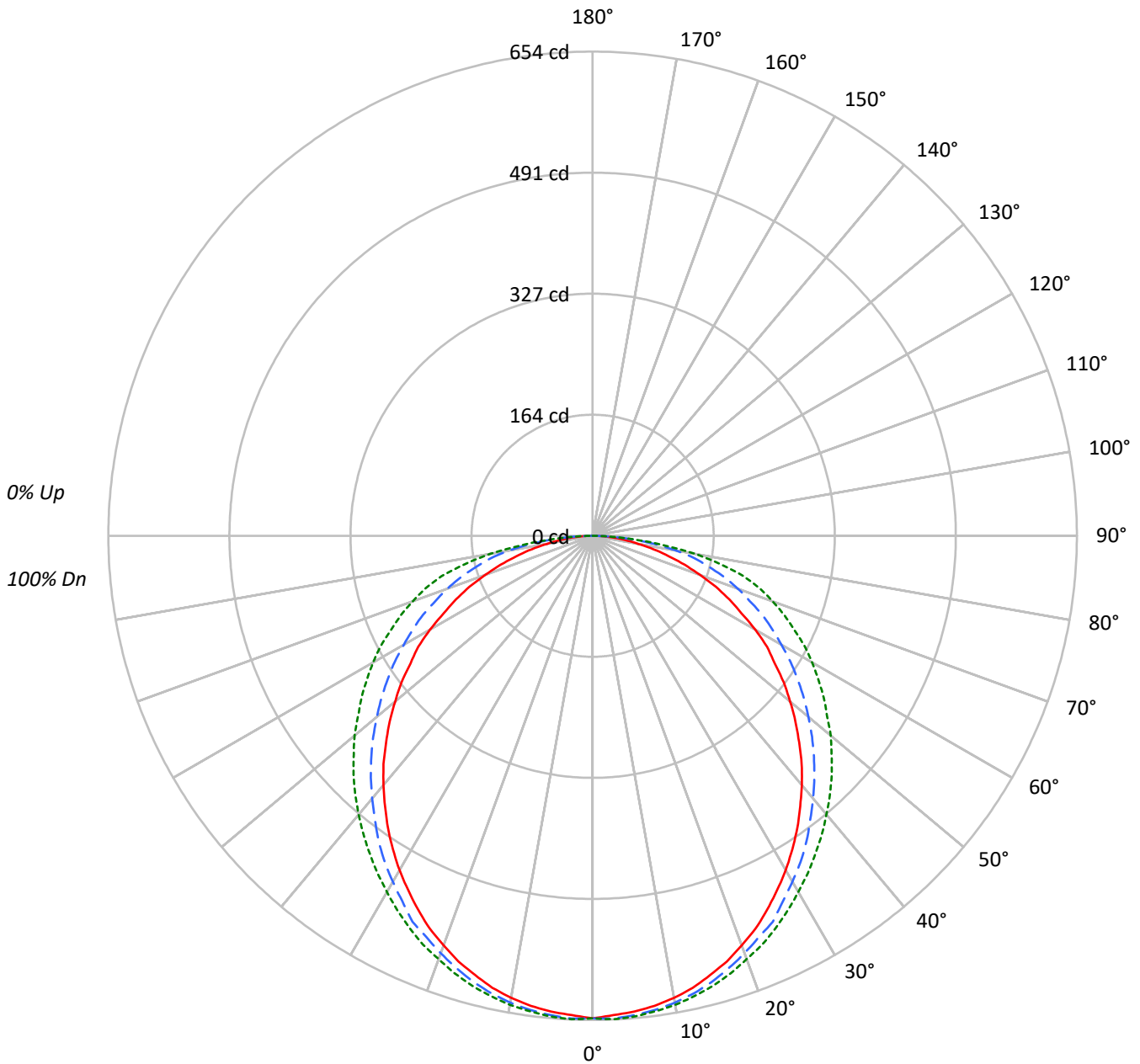
Lumens per Lamp: N/A
Luminaire Lumens: 1917.0 lumens
Efficiency: N/A
Efficacy: 119.8 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.36
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')
CIE Type: Direct

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					
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	108	103	98	94	105	101	96	93	96	93	90	92	90	87	89	86	84	82								
2	98	89	82	76	95	87	81	75	84	78	73	80	76	71	77	73	70	68								
3	89	78	69	63	86	76	68	62	73	66	61	70	65	60	68	63	59	56								
4	81	69	60	53	79	67	59	52	65	57	52	63	56	51	60	55	50	48								
5	75	61	52	45	72	60	52	45	58	50	44	56	49	44	54	48	43	41								
6	69	55	46	39	67	54	46	39	52	45	39	51	44	39	49	43	38	36								
7	64	50	41	35	62	49	41	35	48	40	34	46	39	34	45	39	34	32								
8	59	46	37	31	58	45	37	31	44	36	31	42	35	30	41	35	30	28								
9	56	42	34	28	54	41	33	28	40	33	28	39	32	27	38	32	27	25								
10	52	39	31	25	51	38	30	25	37	30	25	36	30	25	35	29	25	23								

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1850	1850	1850
5°	1838	1851	1857
10°	1826	1845	1854
15°	1804	1832	1848
20°	1777	1812	1837
25°	1745	1802	1831
30°	1709	1768	1820
35°	1670	1745	1817
40°	1628	1715	1820
45°	1582	1696	1832
50°	1537	1678	1853
55°	1484	1671	1885
60°	1440	1670	1943
65°	1368	1697	2014
70°	1276	1730	2145
75°	1169	1789	2317
80°	1018	1864	2281
85°	892	1657	1813



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.6	3.2
10°-20°	175.6	9.2
20°-30°	263.6	13.7
30°-40°	315.0	16.4
40°-50°	327.5	17.1
50°-60°	303.5	15.8
60°-70°	249.0	13.0
70°-80°	168.3	8.8
80°-90°	52.9	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°	500.8	26.1
0°-40°	815.7	42.6
0°-60°	1446.8	75.5
0°-90°	1917.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1917.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	652	652	652	652	652	
5°	645	646	650	651	652	61
15°	614	617	624	627	629	173
25°	558	562	575	582	585	257
35°	482	489	504	519	524	301
45°	394	402	423	447	456	304
55°	300	309	338	368	381	270
65°	204	215	253	286	300	201
75°	107	124	163	196	211	113
85°	27	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°	651.8	651.8	651.8	651.8	651.8
2.5°	648.0	649.9	652.7	653.7	653.7
5°	645.2	646.1	649.9	650.9	651.8
7.5°	640.4	642.4	646.1	647.1	648.0
10°	633.8	635.8	640.4	642.4	643.3
12.5°	625.4	627.2	632.9	635.8	636.7
15°	614.1	616.9	623.5	627.2	629.2
17.5°	602.8	605.5	612.2	617.8	619.7
20°	588.6	595.2	600.0	607.5	608.4
22.5°	574.5	578.3	586.7	594.3	598.0
25°	557.5	562.2	575.4	582.0	584.8
27.5°	539.6	546.2	556.5	566.9	570.6
30°	521.6	526.3	539.6	551.8	555.6
32.5°	501.9	508.5	522.6	534.8	540.5
35°	482.0	488.6	503.7	518.8	524.5
37.5°	460.4	467.9	483.0	500.8	508.5
40°	439.6	445.3	463.1	484.8	491.4
42.5°	417.9	424.5	443.3	467.0	474.5
45°	394.3	401.8	422.6	447.1	456.5
47.5°	371.6	379.2	401.8	426.4	437.6
50°	348.1	357.5	380.1	408.4	419.8
52.5°	325.4	334.0	359.4	388.6	399.0
55°	300.0	309.4	337.7	367.8	381.0
57.5°	279.2	285.8	316.9	348.1	361.3
60°	253.7	262.2	294.3	327.3	342.4
62.5°	226.4	240.5	273.5	307.5	322.6
65°	203.7	215.1	252.8	285.8	300.0
67.5°	180.2	192.4	229.2	264.2	280.2
70°	153.8	169.8	208.5	243.4	258.5
72.5°	130.2	147.2	186.8	220.8	236.8
75°	106.6	124.5	163.2	196.2	211.3
77.5°	84.0	103.8	141.5	167.0	176.4
80°	62.3	81.2	114.1	132.1	139.6
82.5°	43.4	59.5	84.0	93.4	95.3
85°	27.4	37.7	50.9	56.6	55.7
87.5°	12.3	15.1	18.9	20.8	19.8
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)