

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: P731952

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

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P731952
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P272009)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 1/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22CZ2-20HE-S-B2750-W2D-3000K
Description: 2X2 2000 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3000K CCT AND SMOOTH LENS

Light Source: -
Ballast/Driver: -

Summary

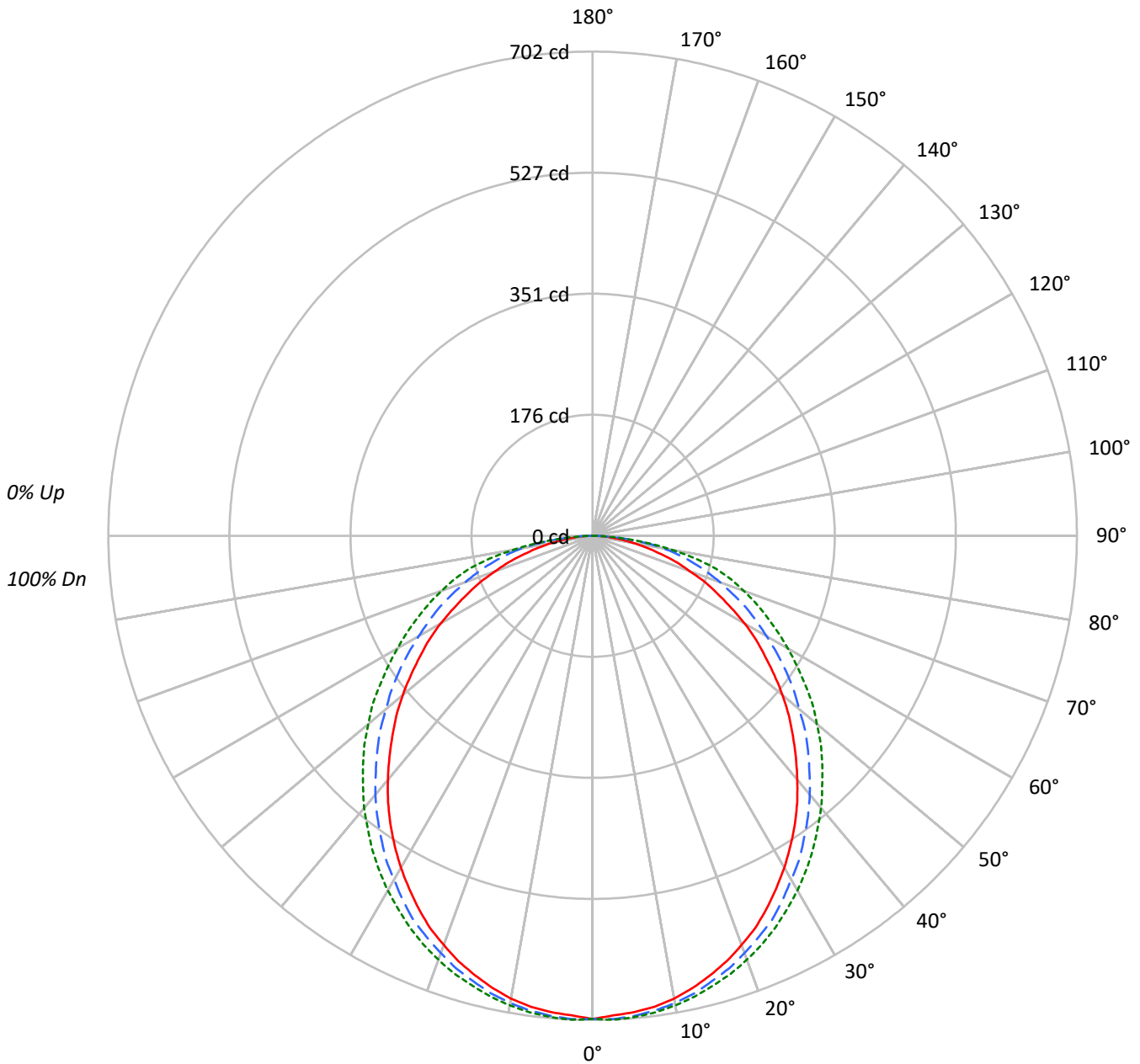
Lumens per Lamp: N/A
Luminaire Lumens: 1955.0 lumens
Efficiency: N/A
Efficacy: 122.2 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.26 / 1.34
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')
CIE Type: Direct

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	108	103	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	83								
2	98	90	83	77	96	88	82	76	84	79	74	81	77	73	78	74	71	69								
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58								
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	61	56	52	49								
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43								
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37								
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33								
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	31	30								
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	28	27								
10	53	40	32	26	51	39	31	26	38	31	26	37	31	26	36	30	26	24								

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1988	1988	1988
5°	1975	1990	1995
10°	1963	1982	1992
15°	1937	1964	1983
20°	1906	1944	1975
25°	1868	1925	1962
30°	1820	1886	1946
35°	1769	1852	1927
40°	1710	1814	1909
45°	1647	1772	1889
50°	1586	1724	1873
55°	1512	1692	1859
60°	1444	1651	1853
65°	1348	1642	1874
70°	1241	1627	1930
75°	1119	1650	2030
80°	967	1699	1907
85°	801	1423	1423



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.2	3.4
10°-20°	188.5	9.6
20°-30°	282.1	14.4
30°-40°	334.1	17.1
40°-50°	340.5	17.4
50°-60°	305.1	15.6
60°-70°	238.9	12.2
70°-80°	154.1	7.9
80°-90°	45.5	2.3
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°	536.9	27.5
0°-40°	871.0	44.6
0°-60°	1516.6	77.6
0°-90°	1955.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1955.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	700	700	700	700	700	
5°	693	695	699	700	700	66
15°	660	663	669	674	675	186
25°	597	602	615	623	627	275
35°	511	517	535	551	556	319
45°	410	420	442	464	471	317
55°	306	316	342	366	376	274
65°	201	212	244	268	279	199
75°	102	118	150	176	185	110
85°	25	34	44	44	44	29
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	700.5	700.5	700.5	700.5	700.5
2.5°	695.9	697.8	701.4	702.4	702.4
5°	693.3	695.0	698.7	699.7	700.5
7.5°	688.7	689.6	694.2	695.9	696.9
10°	681.4	683.2	687.8	690.5	691.4
12.5°	671.3	674.1	679.6	683.2	684.2
15°	659.5	663.2	668.6	674.1	675.0
17.5°	646.7	650.4	657.7	664.1	665.9
20°	631.2	635.8	643.9	651.3	654.0
22.5°	615.7	619.3	629.4	638.5	641.3
25°	596.6	602.1	614.8	623.0	626.7
27.5°	576.4	582.8	595.7	606.6	610.2
30°	555.6	561.9	575.6	589.3	593.8
32.5°	533.6	540.9	557.3	571.1	575.6
35°	510.8	517.2	534.6	550.9	556.4
37.5°	487.1	492.6	512.7	529.9	535.4
40°	461.6	468.8	489.8	509.9	515.3
42.5°	436.0	444.2	465.2	487.1	492.6
45°	410.5	419.6	441.5	464.3	470.7
47.5°	385.8	393.1	417.8	439.7	448.8
50°	359.3	366.7	390.5	415.1	424.2
52.5°	332.0	342.1	367.6	391.3	402.2
55°	305.6	315.6	342.1	365.8	375.8
57.5°	281.0	289.1	316.5	341.1	351.2
60°	254.5	261.8	291.0	317.5	326.6
62.5°	226.2	237.1	267.2	291.8	302.8
65°	200.7	212.5	244.5	268.2	279.1
67.5°	177.0	187.9	219.0	244.5	256.3
70°	149.6	164.2	196.1	221.6	232.6
72.5°	127.7	140.5	173.4	198.9	210.7
75°	102.1	117.6	150.5	176.1	185.2
77.5°	81.2	96.7	127.7	147.7	152.4
80°	59.2	74.7	104.0	114.0	116.7
82.5°	40.1	54.7	74.7	77.5	78.5
85°	24.6	33.7	43.7	43.7	43.7
87.5°	11.9	13.6	15.5	14.6	14.6
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)