

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: P731966

Luminaire Tested: **22CZ2-24HE-HRP-B2750-W2D-2700K**

Issue Date: 1/5/2024

Test Information

Test Method: LM-79-08
Report Number: P731966
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P294823)
Test Lab: INNOVATIONS CENTER(G3)
Issue Date: 1/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22CZ2-24HE-HRP-B2750-W2D-2700K
Description: 2X2 2400 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 2700K CCT AND HRP LENS

Light Source: -
Ballast/Driver: -

Summary

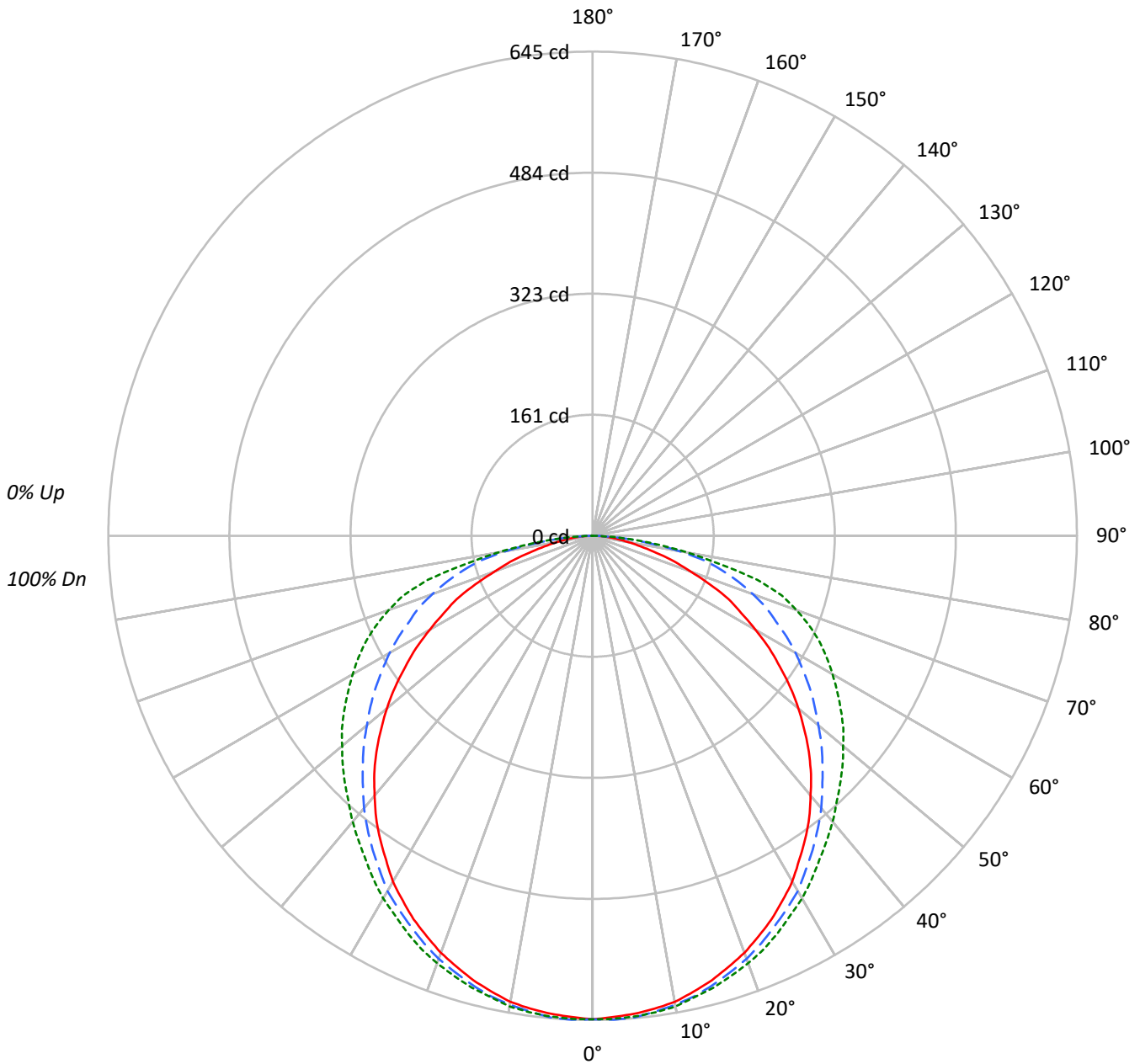
Lumens per Lamp: N/A
Luminaire Lumens: 1956.0 lumens
Efficiency: N/A
Efficacy: 97.8 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.29 / 1.38
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')
CIE Type: Direct

Input Watts (W): 20
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

TEST NUMBER: P731966

CATALOG NUMBER: 22CZ2-24HE-HRP-B2750-W2D-2700K

Luminous Intensity Polar Plot





TEST NUMBER: P731966

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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	87	84	82																			
2	98	89	82	76	95	87	80	75	84	78	73	80	75	71	77	73	70	68																			
3	89	78	69	62	86	76	68	62	73	66	61	70	64	60	68	63	59	56																			
4	81	69	59	52	79	67	59	52	65	57	51	62	56	51	60	55	50	48																			
5	74	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41																			
6	69	55	46	39	67	54	45	39	52	44	39	50	43	38	49	43	38	36																			
7	64	50	41	34	62	49	40	34	47	40	34	46	39	34	44	38	33	31																			
8	59	45	37	31	58	45	36	31	43	36	30	42	35	30	41	35	30	28																			
9	55	42	33	28	54	41	33	27	40	32	27	39	32	27	38	31	27	25																			
10	52	38	30	25	50	38	30	25	37	30	25	36	29	25	35	29	24	23																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1828	1828	1828
5°	1821	1835	1831
10°	1817	1828	1835
15°	1801	1820	1830
20°	1785	1811	1830
25°	1765	1796	1827
30°	1743	1791	1828
35°	1709	1769	1825
40°	1673	1755	1842
45°	1634	1738	1872
50°	1579	1732	1923
55°	1508	1746	1996
60°	1422	1772	2094
65°	1342	1806	2237
70°	1146	1883	2395
75°	960	1961	2489
80°	786	1896	2077
85°	684	1406	1524



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.0	3.1
10°-20°	174.6	8.9
20°-30°	264.6	13.5
30°-40°	319.5	16.3
40°-50°	335.8	17.2
50°-60°	315.9	16.2
60°-70°	263.4	13.5
70°-80°	174.5	8.9
80°-90°	46.5	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°	500.3	25.6
0°-40°	819.8	41.9
0°-60°	1471.5	75.2
0°-90°	1956.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1956.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	644	644	644	644	644	
5°	639	640	644	644	643	61
15°	613	616	619	622	623	173
25°	564	568	574	581	584	260
35°	494	498	511	522	527	309
45°	407	413	433	455	466	314
55°	305	318	353	389	404	273
65°	200	217	269	314	333	194
75°	88	122	179	216	227	95
85°	21	32	43	47	47	24
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	644.1	644.1	644.1	644.1	644.1
2.5°	641.6	642.9	645.4	645.4	644.1
5°	639.2	640.3	644.1	644.1	642.9
7.5°	635.4	636.7	639.2	641.6	640.3
10°	630.5	631.7	634.3	636.7	636.7
12.5°	621.9	623.0	628.1	629.2	629.2
15°	613.2	615.7	619.4	621.9	623.0
17.5°	602.1	604.6	609.5	614.5	614.5
20°	591.1	593.5	599.7	604.6	605.9
22.5°	577.5	581.1	587.3	593.5	596.0
25°	563.8	567.6	573.8	581.1	583.6
27.5°	547.8	551.6	560.2	568.9	570.0
30°	531.9	535.5	546.5	554.0	557.8
32.5°	512.1	517.0	528.1	539.2	542.9
35°	493.5	498.4	510.8	521.9	526.8
37.5°	473.8	478.7	492.4	505.9	512.1
40°	451.6	457.8	473.8	488.6	497.3
42.5°	430.6	436.8	452.8	472.6	481.1
45°	407.2	413.3	433.0	455.4	466.4
47.5°	382.5	390.0	413.3	440.5	451.6
50°	357.8	366.5	392.4	423.2	435.6
52.5°	331.9	343.0	372.7	405.9	420.8
55°	304.8	318.4	352.9	388.7	403.5
57.5°	278.9	291.1	331.9	370.2	386.2
60°	250.5	266.5	312.2	351.6	368.9
62.5°	223.3	240.6	291.1	333.2	351.6
65°	199.9	217.1	269.0	313.5	333.2
67.5°	169.0	192.5	250.5	292.4	312.2
70°	138.1	170.3	227.0	270.2	288.7
72.5°	114.8	145.6	203.5	246.8	264.1
75°	87.6	122.2	178.9	215.9	227.0
77.5°	65.4	101.1	153.0	171.6	172.7
80°	48.1	77.8	116.0	122.2	127.1
82.5°	33.3	54.3	75.2	82.7	85.1
85°	21.0	32.1	43.2	46.8	46.8
87.5°	11.1	12.4	14.8	14.8	14.8
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)