

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: P731997

Luminaire Tested: **22CZ2-29HE-RDP-B2750-W2D-3000K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P731997
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P274731)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 1/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22CZ2-29HE-RDP-B2750-W2D-3000K
Description: 2X2 2900 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3000K CCT AND RDP LENS

Light Source: -
Ballast/Driver: -

Summary

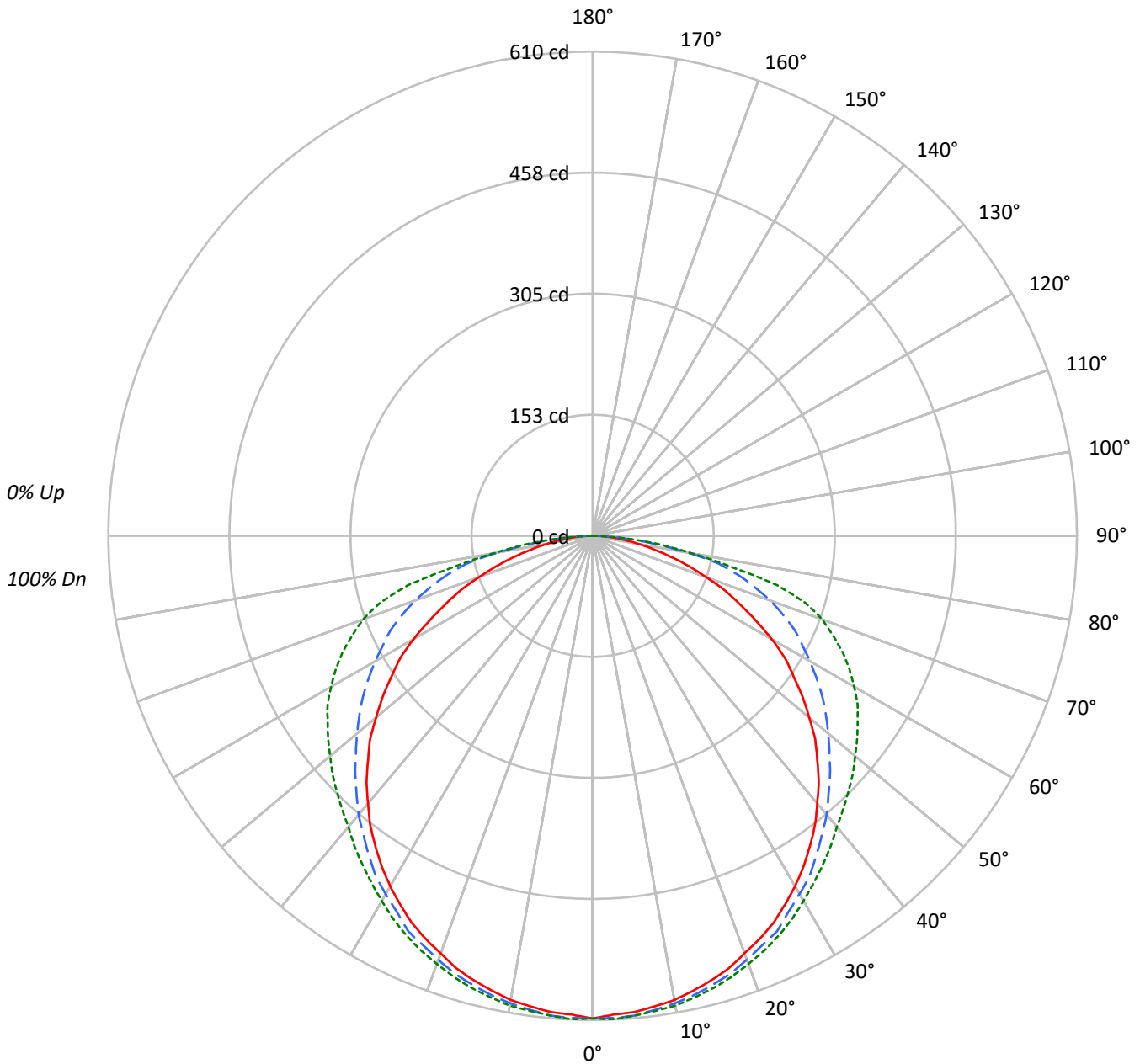
Lumens per Lamp: N/A
Luminaire Lumens: 1936.0 lumens
Efficiency: N/A
Efficacy: 77.4 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.3 / 1.41
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')
CIE Type: Direct

Input Watts (W): 25
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				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	100	96	92	96	92	89	92	89	86	88	86	84	82				82
2	97	88	81	75	95	86	80	74	83	77	72	80	75	71	76	72	69	67				67
3	88	77	68	61	86	75	67	61	72	65	60	70	64	59	67	62	58	55				55
4	80	68	59	51	78	66	58	51	64	56	50	61	55	50	59	54	49	47				47
5	74	60	51	44	72	59	50	44	57	49	43	55	48	43	53	47	42	40				40
6	68	54	45	38	66	53	44	38	51	43	38	50	43	37	48	42	37	35				35
7	63	49	40	33	61	48	39	33	47	39	33	45	38	33	44	37	33	31				31
8	59	45	36	30	57	44	35	30	43	35	29	41	34	29	40	34	29	27				27
9	55	41	32	27	53	40	32	27	39	32	26	38	31	26	37	31	26	24				24
10	51	38	30	24	50	37	29	24	36	29	24	35	29	24	34	28	24	22				22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1726	1726	1726
5°	1716	1728	1728
10°	1711	1723	1732
15°	1703	1720	1732
20°	1690	1716	1733
25°	1686	1721	1739
30°	1671	1708	1740
35°	1653	1702	1752
40°	1630	1699	1773
45°	1606	1697	1829
50°	1572	1710	1905
55°	1529	1747	2015
60°	1478	1794	2158
65°	1377	1884	2333
70°	1264	1974	2551
75°	1109	2076	2639
80°	953	1979	2072
85°	833	1436	1576



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.5	3.0
10°-20°	165.2	8.5
20°-30°	252.0	13.0
30°-40°	307.7	15.9
40°-50°	329.0	17.0
50°-60°	317.5	16.4
60°-70°	273.3	14.1
70°-80°	184.9	9.6
80°-90°	48.8	2.5
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°	474.7	24.5
0°-40°	782.4	40.4
0°-60°	1428.9	73.8
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°	608	608	608	608	608	
5°	602	604	607	607	607	57
15°	580	581	585	588	590	164
25°	538	541	550	553	555	248
35°	477	481	491	501	506	299
45°	400	407	423	444	456	309
55°	309	319	353	389	407	277
65°	205	225	281	325	348	204
75°	101	134	189	228	241	109
85°	26	36	44	46	48	29
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	608.1	608.1	608.1	608.1	608.1
2.5°	603.9	605.3	608.1	608.1	609.6
5°	602.4	603.9	606.7	606.7	606.7
7.5°	598.1	599.7	602.4	603.9	603.9
10°	593.8	595.4	598.1	599.7	601.0
12.5°	586.8	588.2	592.5	595.4	595.4
15°	579.6	581.1	585.4	588.2	589.7
17.5°	571.2	573.9	578.2	581.1	582.5
20°	559.7	562.6	568.3	572.6	573.9
22.5°	549.7	552.7	558.3	562.6	565.3
25°	538.4	541.2	549.7	552.7	555.4
27.5°	524.2	526.9	534.1	539.8	544.1
30°	509.9	512.7	521.3	528.3	531.2
32.5°	494.2	498.5	508.4	514.1	518.4
35°	477.2	481.3	491.4	501.4	505.7
37.5°	460.0	464.3	474.3	487.1	492.8
40°	440.1	445.8	458.7	475.6	478.6
42.5°	421.6	428.6	440.1	460.0	467.1
45°	400.2	407.4	423.0	444.4	455.7
47.5°	380.3	387.3	404.5	430.2	444.4
50°	356.1	366.0	387.3	417.3	431.6
52.5°	333.3	341.9	370.3	403.1	420.1
55°	309.1	319.0	353.2	388.8	407.4
57.5°	287.6	296.2	334.6	374.6	395.9
60°	260.5	272.0	316.1	358.8	380.3
62.5°	232.1	249.2	297.6	341.9	364.7
65°	205.1	225.0	280.6	324.7	347.5
67.5°	180.8	202.2	259.2	306.2	327.6
70°	152.3	179.4	237.9	283.4	307.5
72.5°	126.8	156.6	213.5	259.2	280.6
75°	101.2	133.8	189.4	228.0	240.7
77.5°	78.4	109.6	162.4	173.8	175.1
80°	58.3	86.8	121.1	122.5	126.8
82.5°	39.8	61.2	78.4	85.4	86.8
85°	25.6	35.7	44.1	45.6	48.4
87.5°	11.3	12.9	15.6	14.2	14.2
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)