

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: P880708

Luminaire Tested: **22CZ2-34VHE-RDP-B2750-W2D-3000K**

Issue Date: 10/2/2024

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.



Test Information

Test Method: LM-79-08
Report Number: P880708
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P474998)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 10/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22CZ2-34VHE-RDP-B2750-W2D-3000K
Description: 2X2 3400 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3000K CCT AND RDP LENS

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

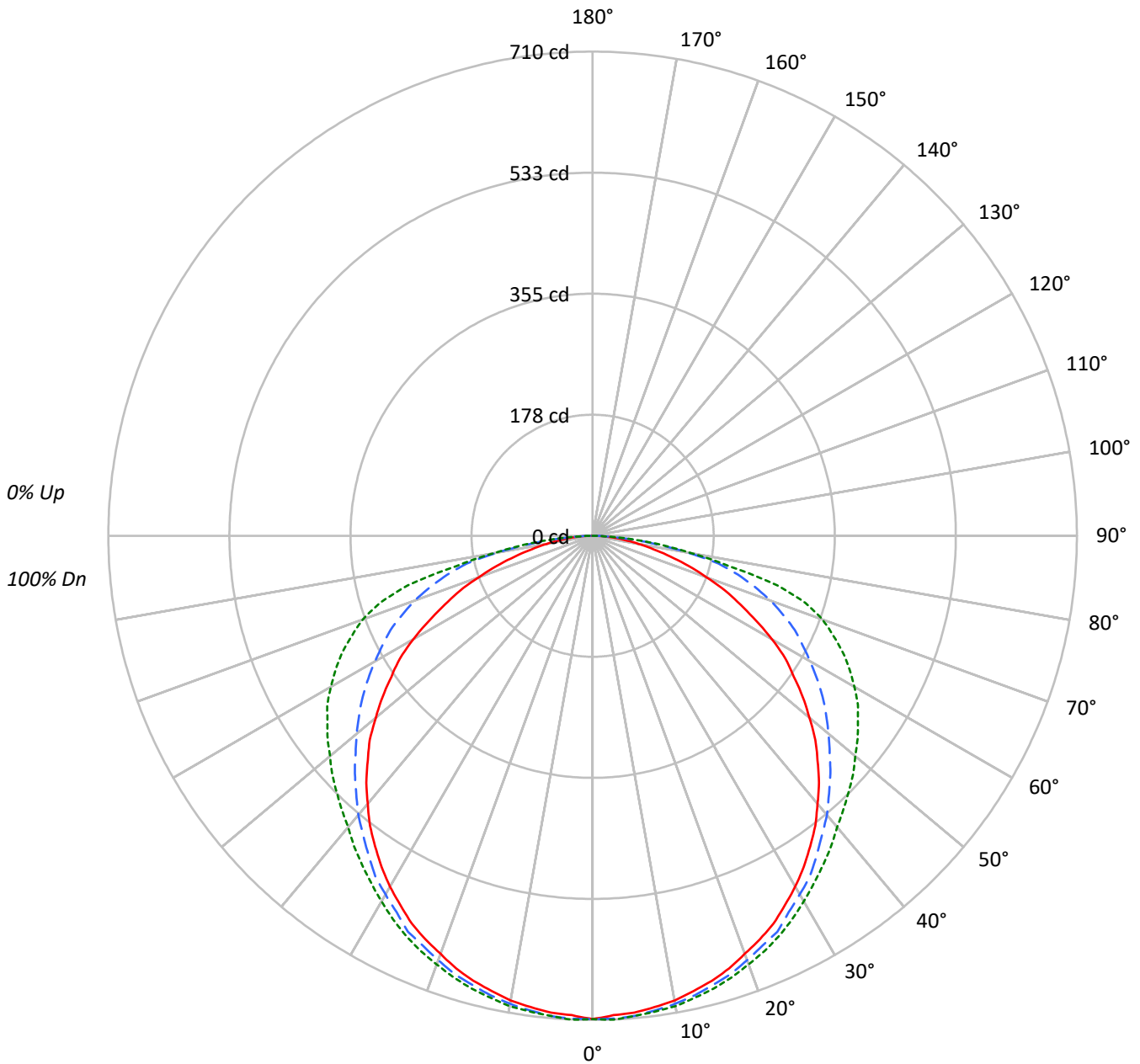
Lumens per Lamp: N/A
Luminaire Lumens: 2256.0 lumens
Efficiency: N/A
Efficacy: 83.6 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.3 / 1.41
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')
CIE Type: Direct

Input Watts (W): 27
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

TEST NUMBER: P880708

CATALOG NUMBER: 22CZ2-34VHE-RDP-B2750-W2D-3000K

Luminous Intensity Polar Plot





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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2011	2011	2011
5°	2000	2014	2014
10°	1994	2008	2018
15°	1984	2003	2018
20°	1970	1999	2020
25°	1964	2006	2027
30°	1947	1990	2028
35°	1926	1983	2041
40°	1900	1979	2065
45°	1871	1978	2130
50°	1832	1993	2219
55°	1781	2037	2348
60°	1724	2090	2515
65°	1604	2196	2719
70°	1473	2300	2974
75°	1293	2420	3075
80°	1113	2302	2415
85°	973	1673	1836



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.0	3.0
10°-20°	192.5	8.5
20°-30°	293.6	13.0
30°-40°	358.5	15.9
40°-50°	383.4	17.0
50°-60°	370.0	16.4
60°-70°	318.5	14.1
70°-80°	215.6	9.6
80°-90°	56.9	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°	553.1	24.5
0°-40°	911.7	40.4
0°-60°	1665.1	73.8
0°-90°	2256.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2256.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	709	709	709	709	709	
5°	702	704	707	707	707	67
15°	676	677	682	685	687	191
25°	627	631	641	644	647	289
35°	556	561	572	584	589	348
45°	466	475	493	518	531	360
55°	360	372	412	453	475	323
65°	239	262	327	378	405	238
75°	118	156	221	266	280	126
85°	30	42	51	53	56	34
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	708.7	708.7	708.7	708.7	708.7
2.5°	703.7	705.2	708.7	708.7	710.2
5°	702.0	703.7	706.9	706.9	706.9
7.5°	697.0	698.7	702.0	703.7	703.7
10°	692.0	693.7	697.0	698.7	700.4
12.5°	683.7	685.3	690.3	693.7	693.7
15°	675.5	677.0	682.0	685.3	687.0
17.5°	665.3	668.8	673.8	677.0	678.8
20°	652.3	655.5	662.1	667.2	668.8
22.5°	640.6	644.0	650.6	655.5	658.8
25°	627.4	630.6	640.6	644.0	647.3
27.5°	610.7	614.1	622.4	628.9	633.9
30°	594.2	597.5	607.4	615.8	619.1
32.5°	575.8	580.8	592.5	599.2	604.0
35°	555.9	560.8	572.5	584.0	589.2
37.5°	536.1	541.1	552.6	567.5	574.3
40°	512.9	519.4	534.4	554.3	557.6
42.5°	491.2	499.5	512.9	536.1	544.3
45°	466.3	474.6	493.0	517.9	530.9
47.5°	443.1	451.4	471.3	501.2	517.9
50°	414.9	426.4	451.4	486.2	502.7
52.5°	388.3	398.2	431.6	469.6	489.7
55°	360.1	371.8	411.7	453.1	474.6
57.5°	335.3	345.1	390.0	436.6	461.3
60°	303.7	316.9	368.3	418.2	443.1
62.5°	270.4	290.5	346.9	398.2	424.7
65°	238.9	262.1	327.1	378.3	404.9
67.5°	210.7	235.6	302.2	356.8	381.7
70°	177.6	209.2	277.2	330.4	358.5
72.5°	147.8	182.5	249.1	302.2	327.1
75°	117.9	156.1	220.7	265.6	280.5
77.5°	91.3	127.9	189.1	202.5	204.2
80°	68.1	101.2	140.9	142.7	147.8
82.5°	46.6	71.3	91.3	99.5	101.2
85°	29.9	41.6	51.4	53.1	56.4
87.5°	13.4	15.0	18.2	16.7	16.7
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)