

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: P842955

Luminaire Tested: **22CZ2-39HE-RDP-UNV-B50**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P842955
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: 22CZ2-39HE-RDP-UNV-B50
Description: 2X2 3900 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 5000K CCT AND RDP LENS

Light Source: -
Ballast/Driver: -

Summary

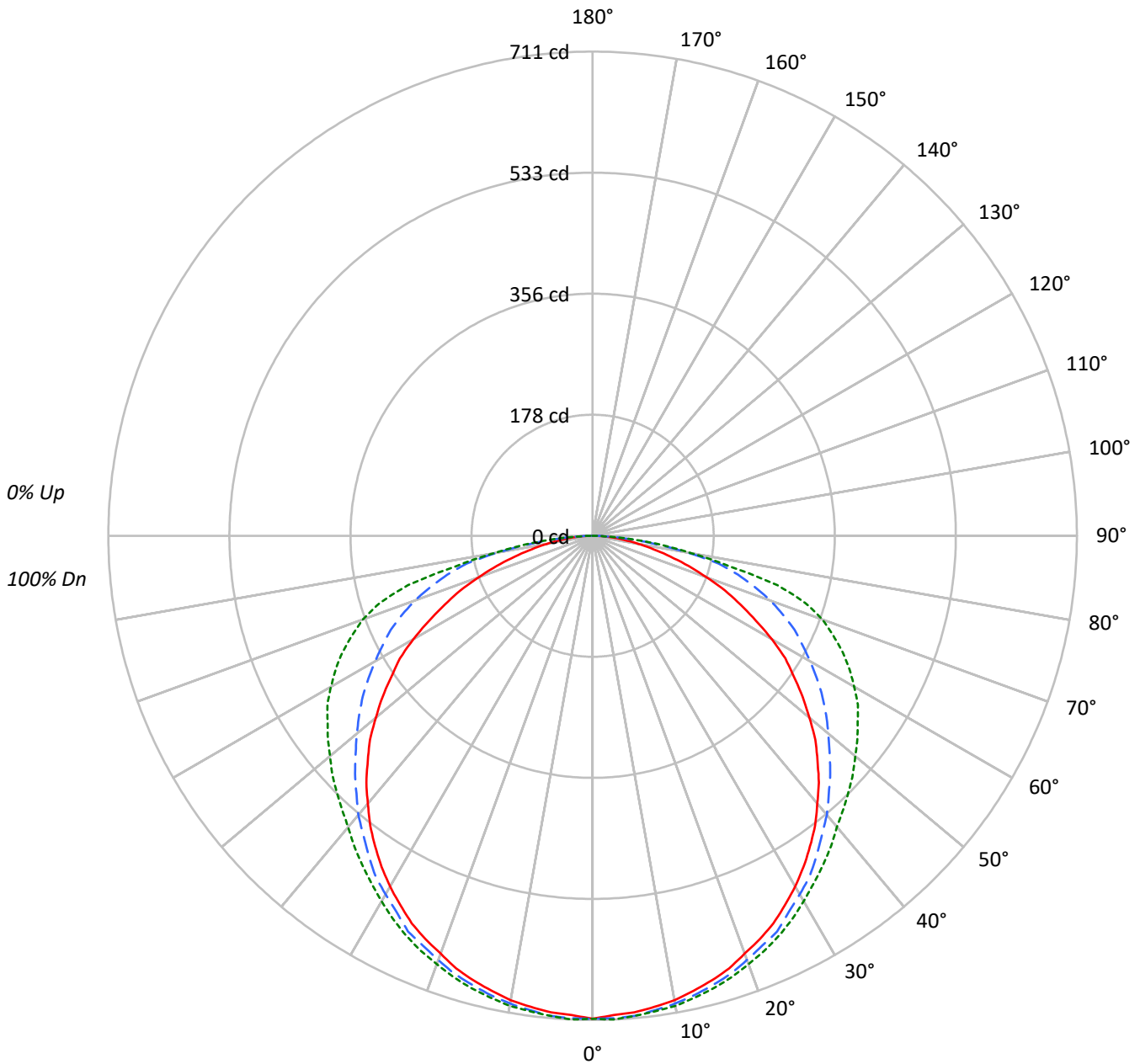
Lumens per Lamp: N/A
Luminaire Lumens: 2258.0 lumens
Efficiency: N/A
Efficacy: 70.6 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.3 / 1.41
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')
CIE Type: Direct

Input Watts (W): 32
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									
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°	2012	2012	2012
5°	2001	2016	2016
10°	1996	2010	2020
15°	1986	2006	2021
20°	1971	2001	2021
25°	1966	2008	2028
30°	1949	1992	2030
35°	1928	1986	2043
40°	1901	1981	2068
45°	1873	1980	2133
50°	1833	1994	2222
55°	1783	2038	2350
60°	1725	2092	2517
65°	1607	2198	2721
70°	1473	2302	2976
75°	1294	2422	3077
80°	1111	2307	2415
85°	970	1673	1836



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.1	3.0
10°-20°	192.6	8.5
20°-30°	293.9	13.0
30°-40°	358.9	15.9
40°-50°	383.7	17.0
50°-60°	370.4	16.4
60°-70°	318.8	14.1
70°-80°	215.7	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°	553.7	24.5
0°-40°	912.6	40.4
0°-60°	1666.6	73.8
0°-90°	2258.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2258.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	709	709	709	709	709	
5°	703	704	708	708	708	67
15°	676	678	683	686	688	191
25°	628	631	641	645	648	289
35°	557	561	573	585	590	348
45°	467	475	493	518	532	360
55°	360	372	412	454	475	323
65°	239	262	327	379	405	238
75°	118	156	221	266	281	127
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°	709.2	709.2	709.2	709.2	709.2
2.5°	704.4	706.0	709.2	709.2	711.0
5°	702.6	704.4	707.6	707.6	707.6
7.5°	697.6	699.4	702.6	704.4	704.4
10°	692.6	694.4	697.6	699.4	701.0
12.5°	684.4	686.0	691.0	694.4	694.4
15°	676.0	677.8	682.8	686.0	687.8
17.5°	666.2	669.4	674.4	677.8	679.4
20°	652.8	656.2	662.8	667.8	669.4
22.5°	641.2	644.6	651.2	656.2	659.4
25°	628.0	631.2	641.2	644.6	647.8
27.5°	611.4	614.6	623.0	629.6	634.6
30°	594.8	598.0	608.0	616.2	619.6
32.5°	576.4	581.4	593.0	599.6	604.6
35°	556.6	561.4	573.2	584.8	589.8
37.5°	536.5	541.5	553.2	568.2	574.8
40°	513.3	519.9	534.9	554.8	558.2
42.5°	491.7	499.9	513.3	536.5	544.7
45°	466.7	475.1	493.3	518.3	531.5
47.5°	443.5	451.7	471.7	501.7	518.3
50°	415.3	426.9	451.7	486.7	503.3
52.5°	388.7	398.7	431.9	470.1	489.9
55°	360.5	372.1	411.9	453.5	475.1
57.5°	335.5	345.5	390.3	436.9	461.7
60°	303.9	317.3	368.7	418.5	443.5
62.5°	270.7	290.7	347.1	398.7	425.3
65°	239.3	262.5	327.3	378.7	405.3
67.5°	210.9	235.9	302.3	357.1	382.1
70°	177.6	209.3	277.5	330.5	358.7
72.5°	147.8	182.6	249.1	302.3	327.3
75°	118.0	156.0	220.9	265.9	280.7
77.5°	91.4	127.8	189.5	202.7	204.3
80°	68.0	101.2	141.2	142.8	147.8
82.5°	46.4	71.4	91.4	99.6	101.2
85°	29.8	41.6	51.4	53.2	56.4
87.5°	13.2	15.0	18.2	16.6	16.6
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)