

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: P731832

Luminaire Tested: **14CZ2-25-SQR-B2750-W2D-3000K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P731832
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P387389)
Test Lab: INNOVATIONS CENTER(G2)
Issue Date: 1/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 14CZ2-25-SQR-B2750-W2D-3000K
Description: 1X4 2500 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3000K CCT AND SQR LENS

Light Source: -
Ballast/Driver: -

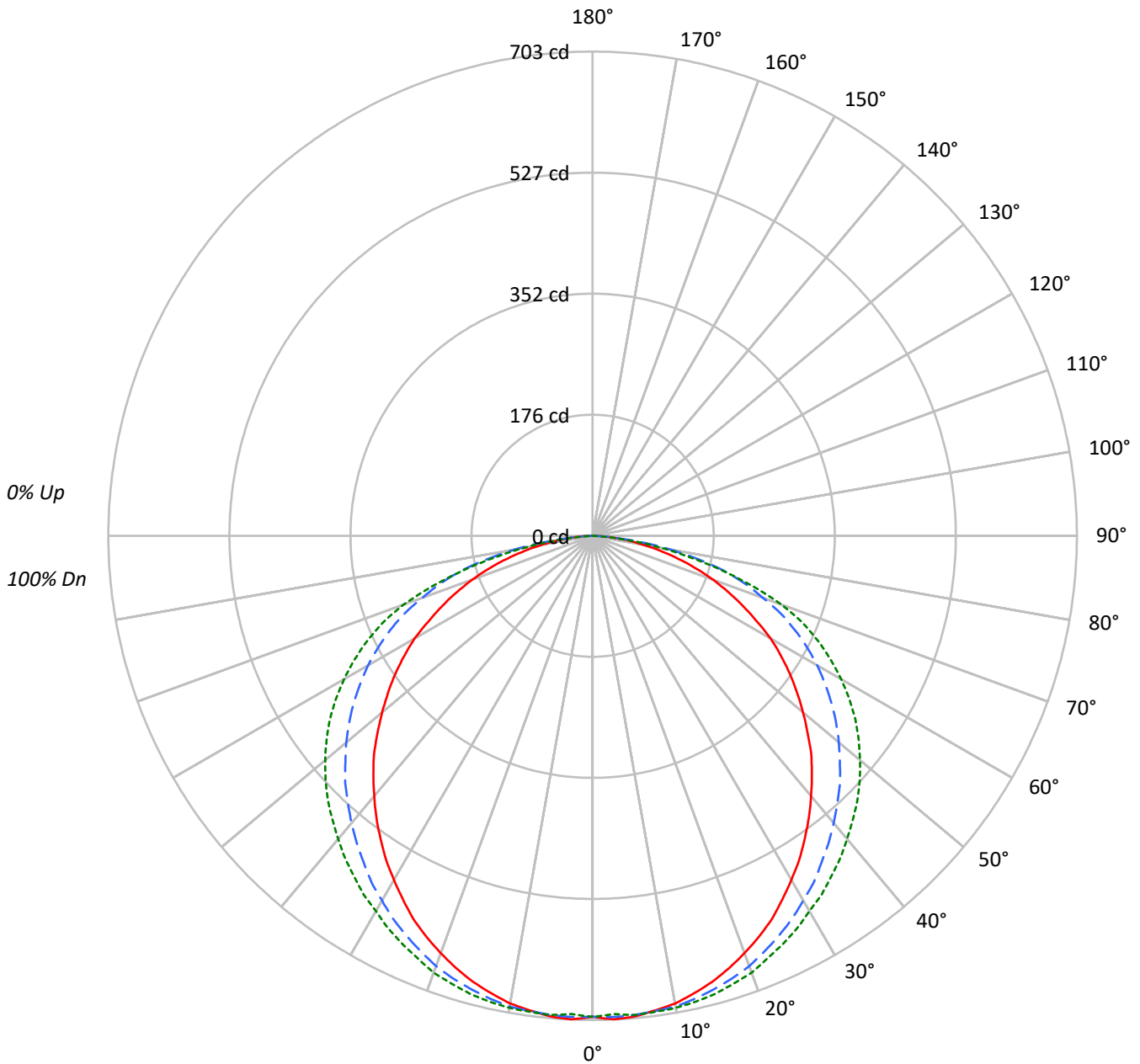
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2210.0 lumens
Efficiency: N/A
Efficacy: 116.3 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.44
Luminous Opening: Rectangular (W 0.96' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 19
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: P731832
CATALOG NUMBER: 14CZ2-25-SQR-B2750-W2D-3000K

Luminous Intensity Polar Plot





TEST NUMBER: P731832

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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	99	95	105	101	97	93	97	93	90	93	90	87	89	87	85	83																			
2	98	89	82	76	95	87	81	75	84	78	73	80	76	72	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	68	59	52	79	67	59	52	65	57	51	62	56	51	60	54	50	48																			
5	74	61	52	45	72	60	51	44	58	50	44	56	49	43	54	48	43	41																			
6	68	55	45	39	67	54	45	39	52	44	38	50	43	38	49	42	38	35																			
7	63	49	40	34	62	49	40	34	47	39	34	46	39	33	44	38	33	31																			
8	59	45	36	30	57	44	36	30	43	35	30	42	35	30	41	34	30	28																			
9	55	41	33	27	54	41	33	27	39	32	27	38	32	27	37	31	27	25																			
10	52	38	30	25	50	37	30	24	36	29	24	36	29	24	35	29	24	22																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1971	1971	1971
5°	1985	1979	1979
10°	1976	1989	1995
15°	1959	1992	2012
20°	1937	1998	2028
25°	1915	1995	2036
30°	1881	1993	2051
35°	1850	1996	2080
40°	1818	2007	2118
45°	1792	2027	2170
50°	1751	2049	2226
55°	1721	2083	2291
60°	1685	2125	2351
65°	1607	2165	2410
70°	1526	2169	2408
75°	1397	2163	2126
80°	1195	1847	1648
85°	939	1046	615



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CATALOG NUMBER: 14CZ2-25-SQR-B2750-W2D-3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.4	3.0
10°-20°	191.7	8.7
20°-30°	293.2	13.3
30°-40°	359.4	16.3
40°-50°	386.5	17.5
50°-60°	371.4	16.8
60°-70°	309.3	14.0
70°-80°	189.8	8.6
80°-90°	42.3	1.9
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°	551.3	24.9
0°-40°	910.7	41.2
0°-60°	1668.6	75.5
0°-90°	2210.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2210.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	698	698	698	698	698	
5°	701	694	698	698	698	66
15°	670	668	682	686	688	189
25°	615	620	640	648	654	283
35°	537	550	579	595	604	336
45°	449	469	508	531	544	345
55°	350	380	423	452	466	312
65°	241	277	324	351	361	238
75°	128	167	198	197	195	136
85°	29	43	32	22	19	35
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	698.4	698.4	698.4	698.4	698.4
2.5°	702.8	696.1	699.5	698.4	695.1
5°	700.6	694.0	698.4	698.4	698.4
7.5°	695.1	689.5	696.1	697.2	697.2
10°	689.5	685.0	694.0	695.1	696.1
12.5°	680.5	677.2	688.4	690.6	692.7
15°	670.5	668.3	681.6	686.1	688.4
17.5°	658.3	659.4	673.9	679.5	681.6
20°	644.9	648.3	665.0	670.5	675.0
22.5°	630.4	634.9	652.8	659.4	663.9
25°	614.8	620.4	640.4	648.3	653.8
27.5°	595.8	604.8	627.1	637.2	642.7
30°	577.0	587.0	611.6	623.8	629.3
32.5°	558.0	569.1	597.1	609.3	618.2
35°	536.9	550.3	579.2	594.8	603.7
37.5°	515.7	531.3	562.5	580.2	590.3
40°	493.4	510.2	544.6	564.7	574.7
42.5°	471.1	490.1	525.8	548.0	559.1
45°	448.9	469.0	507.9	531.3	543.5
47.5°	423.3	447.8	486.7	513.4	525.8
50°	398.8	425.5	466.7	494.6	506.8
52.5°	374.2	402.1	445.5	474.5	486.7
55°	349.7	379.8	423.3	452.2	465.6
57.5°	324.1	355.3	399.8	429.9	442.1
60°	298.5	330.9	376.5	404.3	416.5
62.5°	268.4	306.3	350.9	378.7	389.8
65°	240.6	277.3	324.1	350.9	360.9
67.5°	212.8	250.6	296.3	320.8	329.6
70°	184.9	222.8	262.8	286.3	291.8
72.5°	157.1	194.9	232.9	246.1	244.0
75°	128.1	167.1	198.3	197.2	194.9
77.5°	100.3	138.1	157.1	149.2	146.0
80°	73.5	110.3	113.6	105.9	101.4
82.5°	50.1	79.0	71.3	62.3	57.9
85°	29.0	43.4	32.3	22.2	19.0
87.5°	12.2	11.1	3.4	3.4	2.2
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)