

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: FAIL-SAFE

Report Number: P732557

Luminaire Tested: **14FCZ2-25-B2750-W2D-CP375-3000K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P732557
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P275502)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 1/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: 14FCZ2-25-B2750-W2D-CP375-3000K
Description: 1X4 2500 LUMEN SEALED CRUZE TROFFER WITH BIO UP LEDS AT 3000K CCT
AND RIBBED LENS, WITH, CP375 BOTTOM LENS

Light Source: -
Ballast/Driver: -

Summary

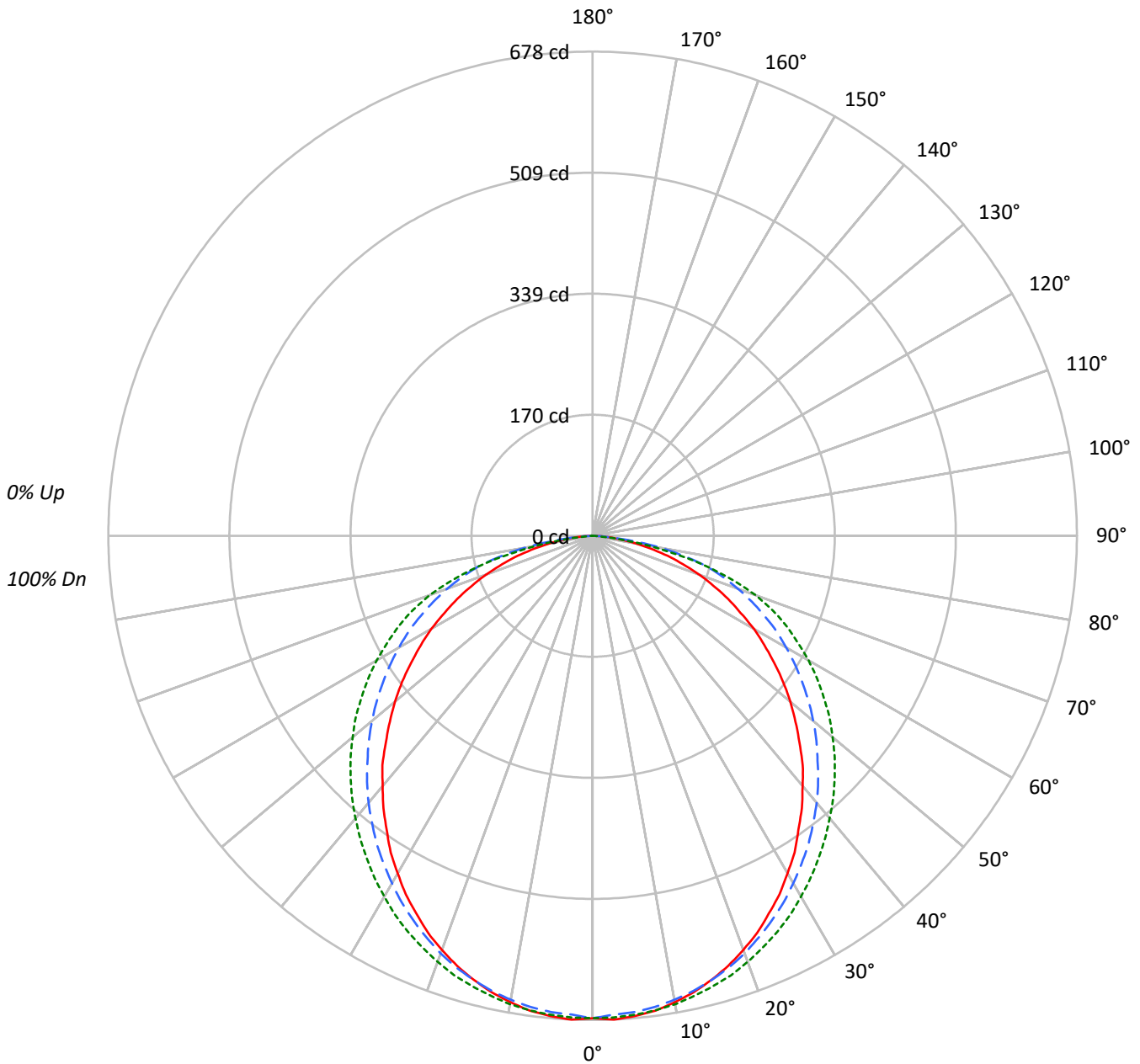
Lumens per Lamp: N/A
Luminaire Lumens: 1961.0 lumens
Efficiency: N/A
Efficacy: 103.2 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.37
Luminous Opening: Rectangular (W 0.96' x L: 3.98' x H: 0')
CIE Type: Direct

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

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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	109	104	99	95	106	101	97	94	97	94	91	93	90	88	90	87	85	83																			
2	98	90	83	77	96	88	82	76	84	79	74	81	77	73	78	74	71	69																			
3	89	79	70	64	87	77	69	63	74	67	62	71	66	61	69	64	60	58																			
4	82	70	61	54	79	68	60	53	66	58	53	63	57	52	61	56	51	49																			
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42																			
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39	37																			
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	34	32																			
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29																			
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26																			
10	52	39	31	26	51	39	31	26	37	30	26	37	30	25	36	30	25	24																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1907	1907	1907
5°	1913	1897	1908
10°	1901	1891	1909
15°	1881	1882	1908
20°	1853	1869	1907
25°	1818	1851	1905
30°	1779	1831	1902
35°	1732	1816	1900
40°	1685	1798	1903
45°	1634	1778	1913
50°	1586	1771	1926
55°	1526	1765	1943
60°	1471	1768	1970
65°	1396	1773	2000
70°	1311	1786	1999
75°	1187	1803	1808
80°	975	1556	1286
85°	722	738	295



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.9	3.3
10°-20°	182.6	9.3
20°-30°	275.1	14.0
30°-40°	330.1	16.8
40°-50°	344.1	17.5
50°-60°	318.5	16.2
60°-70°	257.4	13.1
70°-80°	156.9	8.0
80°-90°	32.4	1.7
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°	521.6	26.6
0°-40°	851.7	43.4
0°-60°	1514.3	77.2
0°-90°	1961.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1961.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	676	676	676	676	676	
5°	675	673	669	674	673	64
15°	644	644	644	653	653	181
25°	584	587	594	609	612	269
35°	502	510	527	546	551	315
45°	409	422	446	470	479	316
55°	310	326	359	386	395	278
65°	209	230	265	292	300	207
75°	109	133	165	168	166	114
85°	22	33	23	13	9	27
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	675.6	675.6	675.6	675.6	675.6
2.5°	678.2	676.1	671.2	676.1	675.1
5°	675.1	673.4	669.4	674.3	673.4
7.5°	670.8	669.0	665.5	671.2	670.3
10°	663.3	662.5	659.8	666.4	666.0
12.5°	654.6	654.2	652.8	660.3	659.8
15°	643.7	644.0	644.0	652.8	652.8
17.5°	631.4	632.2	634.0	643.7	645.0
20°	617.0	618.8	622.3	633.2	634.9
22.5°	602.1	603.5	608.6	621.8	623.6
25°	583.7	587.2	594.2	609.1	611.8
27.5°	566.3	569.3	578.9	594.2	598.7
30°	545.7	550.5	561.9	578.6	583.4
32.5°	526.1	531.2	544.4	563.6	568.0
35°	502.5	510.3	526.9	546.2	551.3
37.5°	481.0	488.4	507.3	528.2	534.4
40°	457.3	466.6	488.0	510.3	516.4
42.5°	435.5	444.2	467.4	490.2	498.5
45°	409.3	421.6	445.5	470.5	479.2
47.5°	385.2	397.5	425.1	451.7	459.6
50°	361.1	374.3	403.2	430.7	438.5
52.5°	336.2	350.3	381.2	408.8	418.1
55°	310.0	326.2	358.6	386.5	394.9
57.5°	285.1	301.7	336.2	364.6	372.9
60°	260.6	277.7	313.1	340.2	349.0
62.5°	233.5	253.6	290.4	317.0	323.6
65°	209.0	229.6	265.4	292.0	299.5
67.5°	183.2	205.5	241.4	265.8	272.9
70°	158.8	181.9	216.4	239.2	242.2
72.5°	132.5	156.1	191.0	205.5	205.5
75°	108.8	132.9	165.3	167.9	165.8
77.5°	83.1	109.8	130.7	125.4	120.3
80°	60.0	86.2	95.7	86.2	79.1
82.5°	40.2	62.5	57.7	45.9	40.7
85°	22.3	33.2	22.8	12.6	9.1
87.5°	8.3	7.5	2.2	2.2	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)