

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: P732558

Luminaire Tested: **14FCZ2-25-B2750-W2D-CP375-3500K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P732558
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-CP375-3500K
Description: 1X4 2500 LUMEN SEALED CRUZE TROFFER WITH BIO UP LEDS AT 3500K CCT
AND RIBBED LENS, WITH, CP375 BOTTOM LENS

Light Source: -
Ballast/Driver: -

Summary

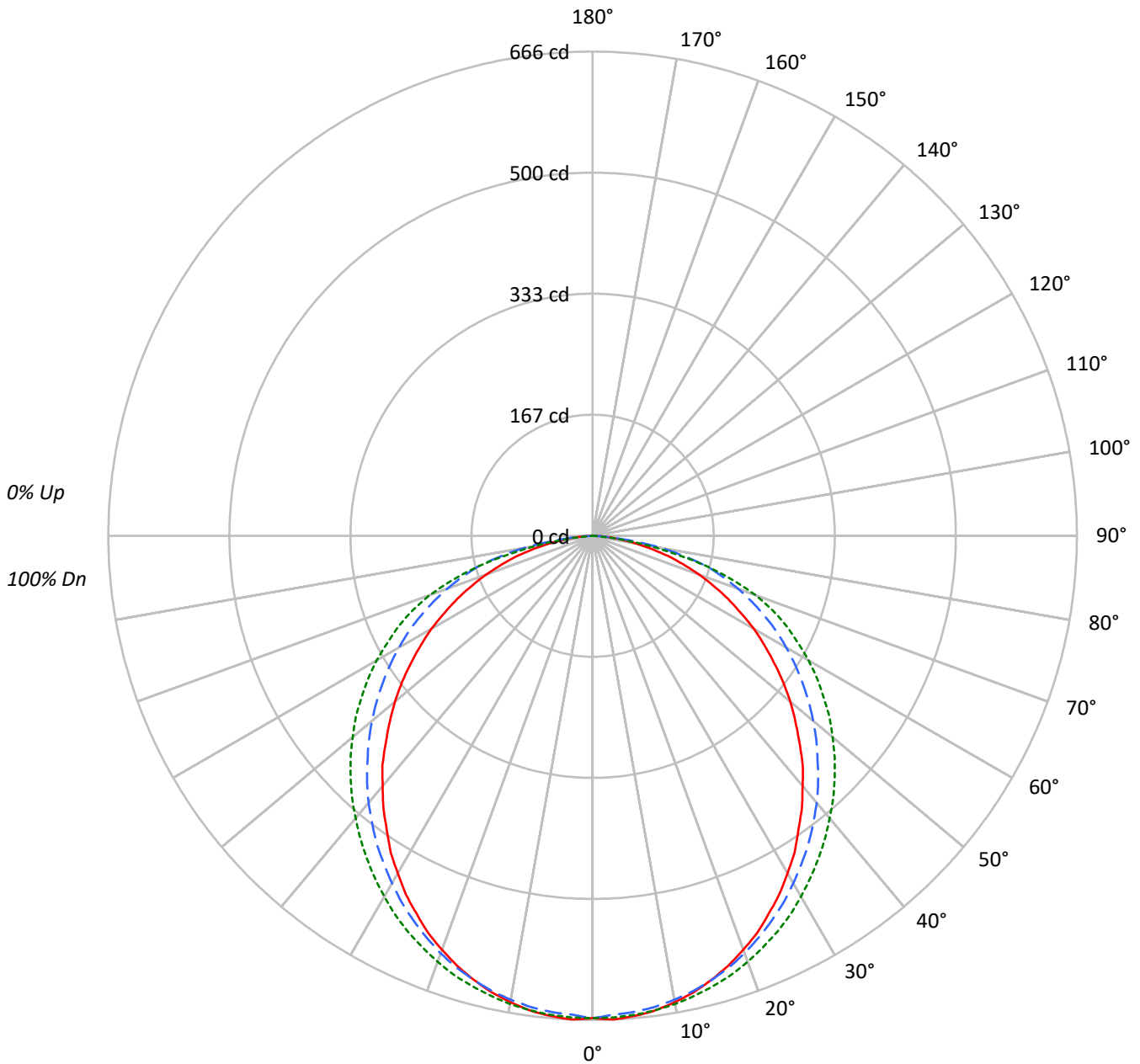
Lumens per Lamp: N/A
Luminaire Lumens: 1926.0 lumens
Efficiency: N/A
Efficacy: 101.4 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.37
Luminous Opening: Rectangular (W 0.96' x L: 3.98' x H: 0')
CIE Type: Direct

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	90	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°	1873	1873	1873
5°	1879	1863	1874
10°	1867	1857	1875
15°	1847	1848	1874
20°	1820	1836	1873
25°	1786	1818	1871
30°	1747	1799	1868
35°	1701	1783	1866
40°	1655	1766	1869
45°	1605	1747	1879
50°	1558	1739	1891
55°	1498	1733	1908
60°	1445	1736	1935
65°	1371	1741	1965
70°	1287	1755	1963
75°	1166	1770	1775
80°	957	1528	1263
85°	709	722	291



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.8	3.3
10°-20°	179.4	9.3
20°-30°	270.2	14.0
30°-40°	324.2	16.8
40°-50°	337.9	17.5
50°-60°	312.8	16.2
60°-70°	252.8	13.1
70°-80°	154.1	8.0
80°-90°	31.8	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°	512.3	26.6
0°-40°	836.5	43.4
0°-60°	1487.3	77.2
0°-90°	1926.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1926.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	664	664	664	664	664	
5°	663	661	658	662	661	63
15°	632	632	632	641	641	178
25°	573	577	584	598	601	264
35°	494	501	518	536	542	309
45°	402	414	438	462	471	311
55°	304	320	352	380	388	273
65°	205	226	261	287	294	203
75°	107	130	162	165	163	112
85°	22	33	22	12	9	27
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	663.5	663.5	663.5	663.5	663.5
2.5°	666.1	664.0	659.3	664.0	663.1
5°	663.1	661.4	657.5	662.2	661.4
7.5°	658.8	657.0	653.6	659.3	658.3
10°	651.5	650.6	648.0	654.5	654.1
12.5°	643.0	642.5	641.2	648.5	648.0
15°	632.2	632.5	632.5	641.2	641.2
17.5°	620.1	621.0	622.7	632.2	633.5
20°	605.9	607.7	611.1	621.9	623.6
22.5°	591.4	592.7	597.8	610.7	612.4
25°	573.3	576.7	583.6	598.3	600.9
27.5°	556.2	559.1	568.6	583.6	588.0
30°	536.0	540.7	551.9	568.2	573.0
32.5°	516.7	521.8	534.6	553.6	557.8
35°	493.5	501.2	517.5	536.4	541.5
37.5°	472.5	479.7	498.2	518.8	524.8
40°	449.2	458.3	479.3	501.2	507.2
42.5°	427.8	436.3	459.1	481.4	489.6
45°	402.0	414.1	437.6	462.1	470.7
47.5°	378.3	390.4	417.5	443.6	451.4
50°	354.7	367.6	396.0	423.0	430.7
52.5°	330.2	344.1	374.4	401.5	410.6
55°	304.4	320.4	352.2	379.6	387.8
57.5°	280.0	296.3	330.2	358.1	366.3
60°	256.0	272.8	307.5	334.1	342.8
62.5°	229.4	249.1	285.2	311.3	317.8
65°	205.3	225.5	260.7	286.8	294.2
67.5°	180.0	201.8	237.1	261.1	268.0
70°	155.9	178.7	212.6	234.9	237.9
72.5°	130.2	153.3	187.6	201.8	201.8
75°	106.9	130.5	162.3	164.9	162.8
77.5°	81.6	107.8	128.4	123.2	118.1
80°	58.9	84.7	94.0	84.7	77.7
82.5°	39.5	61.4	56.6	45.0	40.0
85°	21.9	32.6	22.3	12.4	9.0
87.5°	8.2	7.3	2.1	2.1	2.1
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)