

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: P732632

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

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P732632
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P275670)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 1/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: 14FCZ2-25-S-B2750-W2D-CP375-3000K
Description: 1X4 2500 LUMEN SEALED CRUZE TROFFER WITH BIO UP LEDS AT 3000K CCT
AND SMOOTH LENS, WITH, CP375 BOTTOM LENS

Light Source: -
Ballast/Driver: -

Summary

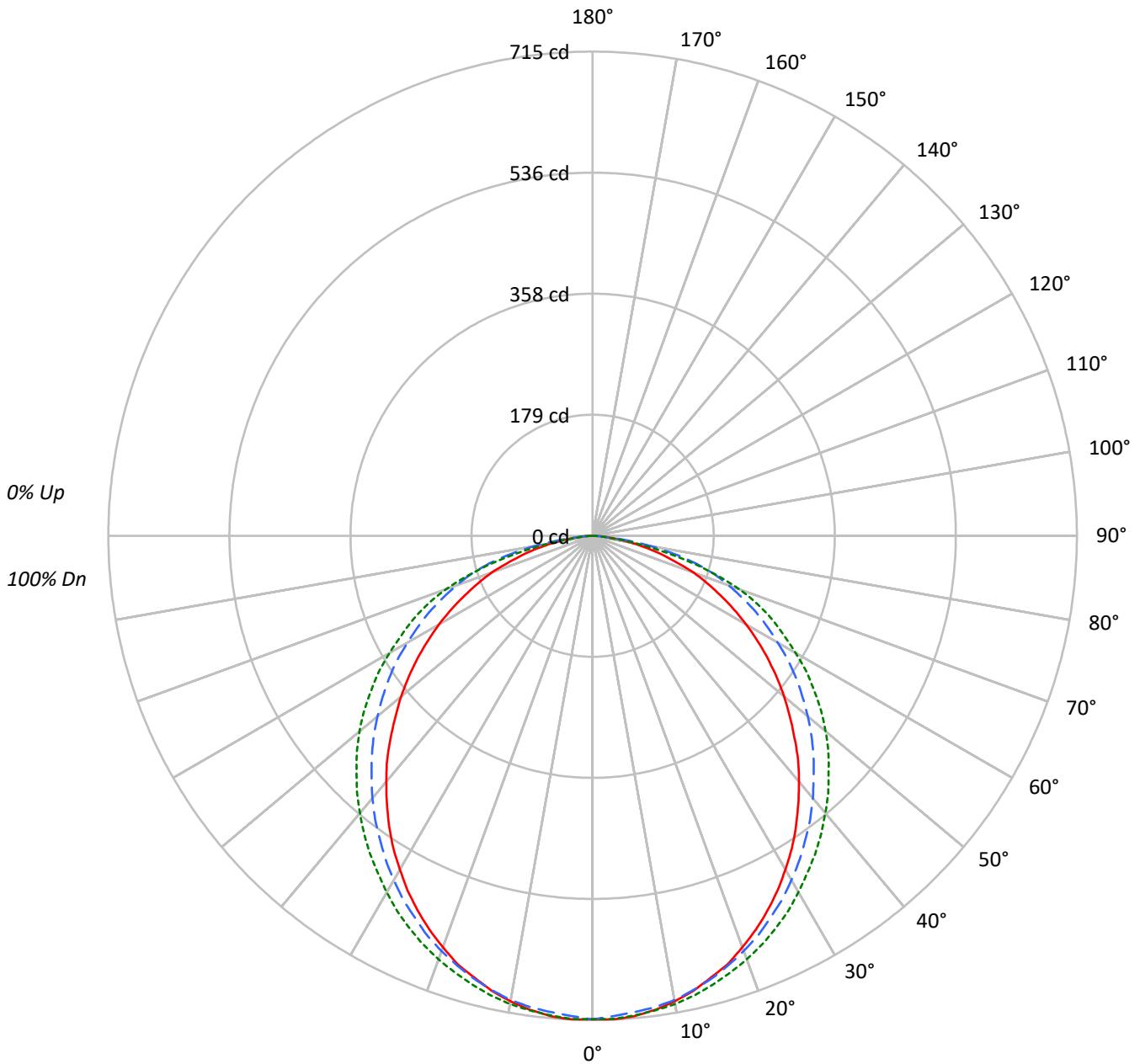
Lumens per Lamp: N/A
Luminaire Lumens: 2000.0 lumens
Efficiency: N/A
Efficacy: 105.3 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.26 / 1.36
Luminous Opening: Rectangular (W 0.96' x L: 3.98' x H: 0')
CIE Type: Direct

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	100	96	106	102	98	94	97	94	91	94	91	89	90	88	86	84																			
2	99	90	84	78	96	89	82	77	85	80	75	82	77	73	79	75	72	70																			
3	90	79	71	65	87	78	70	64	75	68	63	72	66	62	69	65	61	58																			
4	82	70	61	55	80	69	61	54	66	59	53	64	58	53	62	56	52	50																			
5	76	63	54	47	74	62	53	47	59	52	46	57	51	46	56	50	45	43																			
6	70	56	47	41	68	55	47	41	54	46	40	52	45	40	50	44	40	38																			
7	65	51	42	36	63	50	42	36	49	41	36	47	41	35	46	40	35	33																			
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	32	30																			
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	28	27																			
10	53	40	32	26	52	39	31	26	38	31	26	37	31	26	36	30	26	24																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2015	2015	2015
5°	2017	2001	2014
10°	2001	1995	2012
15°	1973	1979	2005
20°	1942	1960	1999
25°	1902	1936	1992
30°	1855	1913	1981
35°	1804	1886	1975
40°	1747	1863	1969
45°	1682	1841	1967
50°	1620	1820	1973
55°	1552	1806	1967
60°	1478	1780	1954
65°	1391	1775	1954
70°	1310	1760	1898
75°	1135	1720	1622
80°	918	1387	1081
85°	609	479	324



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.4	3.4
10°-20°	191.8	9.6
20°-30°	287.8	14.4
30°-40°	343.3	17.2
40°-50°	354.9	17.7
50°-60°	324.0	16.2
60°-70°	255.0	12.7
70°-80°	148.4	7.4
80°-90°	27.3	1.4
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°	547.0	27.4
0°-40°	890.3	44.5
0°-60°	1569.3	78.5
0°-90°	2000.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2000.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	714	714	714	714	714	
5°	712	710	706	712	711	68
15°	675	676	677	686	686	191
25°	611	614	622	637	640	281
35°	524	530	547	568	573	327
45°	421	435	461	487	493	325
55°	315	332	367	394	400	282
65°	208	230	266	287	293	207
75°	104	129	158	155	149	111
85°	19	27	15	12	10	24
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	714.0	714.0	714.0	714.0	714.0
2.5°	714.9	713.0	710.0	714.9	714.0
5°	712.0	710.0	706.1	712.0	710.9
7.5°	706.1	704.0	702.1	708.0	707.0
10°	698.1	697.1	696.1	703.0	702.1
12.5°	688.2	688.2	687.2	695.1	695.1
15°	675.3	676.3	677.3	686.1	686.1
17.5°	663.4	662.5	665.4	675.3	676.3
20°	646.5	648.5	652.5	664.4	665.4
22.5°	629.6	631.7	638.6	650.5	653.5
25°	610.8	613.9	621.7	636.6	639.6
27.5°	591.0	595.0	605.8	621.7	624.7
30°	569.1	575.1	587.0	604.9	607.9
32.5°	547.4	553.3	568.2	586.0	590.0
35°	523.6	530.5	547.4	568.2	573.1
37.5°	498.8	507.7	527.6	548.4	554.3
40°	474.0	484.0	505.7	527.6	534.5
42.5°	449.2	459.2	482.9	507.7	514.7
45°	421.4	435.4	461.1	486.9	492.8
47.5°	394.7	409.6	438.3	464.0	472.1
50°	368.9	383.7	414.5	441.3	449.2
52.5°	342.2	358.0	390.6	418.5	425.4
55°	315.3	332.2	366.9	393.7	399.6
57.5°	288.6	306.4	342.2	367.9	374.8
60°	261.8	280.7	315.3	341.1	346.1
62.5°	235.0	254.8	290.5	313.4	318.3
65°	208.3	230.0	265.7	286.6	292.6
67.5°	182.5	204.3	239.0	258.8	263.8
70°	158.7	178.5	213.2	228.1	230.0
72.5°	128.9	153.7	187.4	195.4	190.4
75°	104.1	128.9	157.7	154.7	148.7
77.5°	79.3	104.1	123.0	113.0	105.1
80°	56.5	81.3	85.3	70.4	66.5
82.5°	36.7	56.5	47.6	36.7	29.8
85°	18.8	26.7	14.8	11.9	10.0
87.5°	6.0	4.0	1.9	1.9	1.0
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)