

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: P732582

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

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P732582
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P294787)
Test Lab: INNOVATIONS CENTER(G3)
Issue Date: 1/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: 14FCZ2-25-HRP-B2750-W2D-CP375-3000K
Description: 1X4 2500 LUMEN SEALED CRUZE TROFFER WITH BIO UP LEDS AT 3000K CCT
AND HRP LENS, WITH, CP375 BOTTOM LENS

Light Source: -
Ballast/Driver: -

Summary

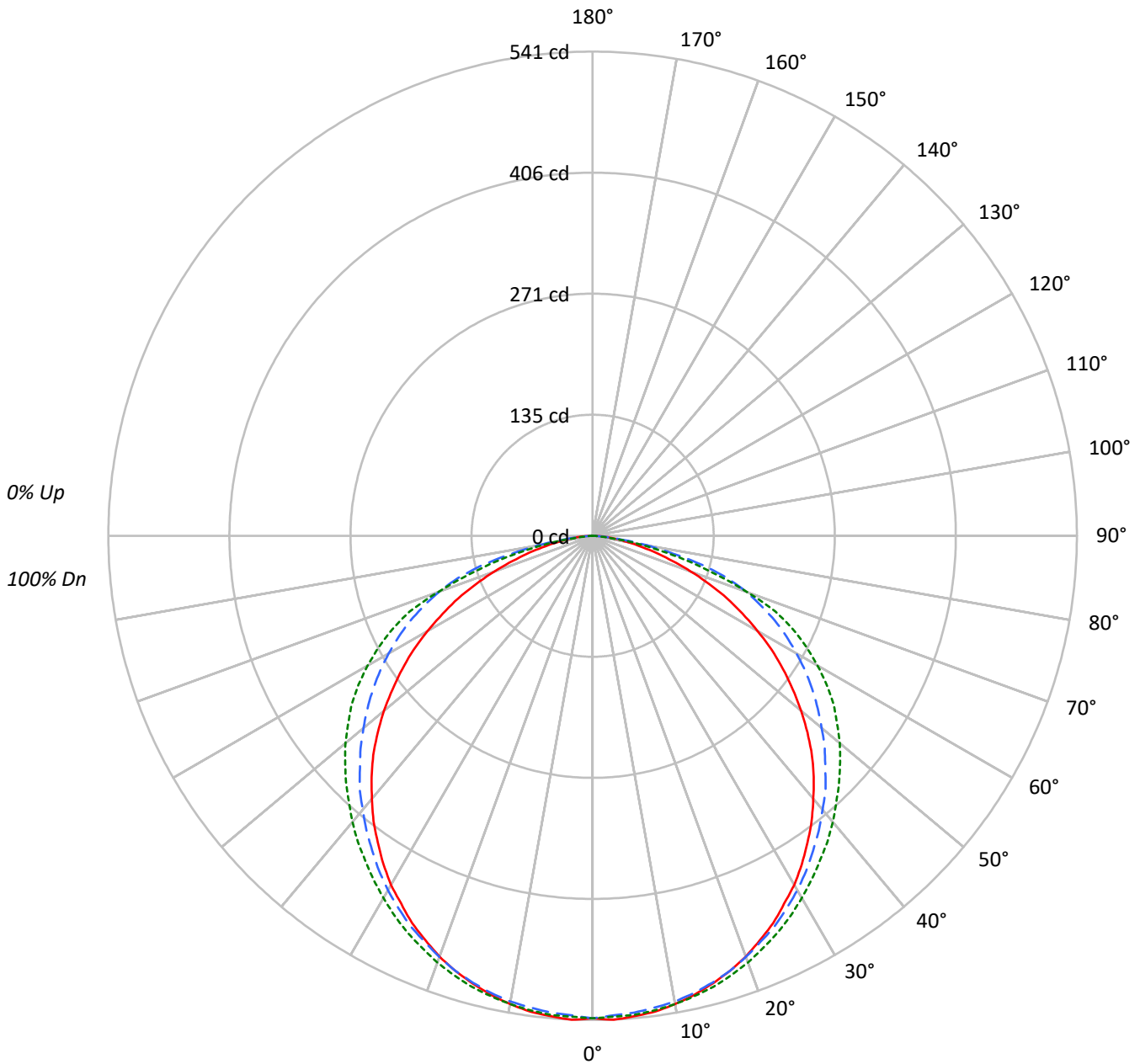
Lumens per Lamp: N/A
Luminaire Lumens: 1588.0 lumens
Efficiency: N/A
Efficacy: 83.6 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.29 / 1.39
Luminous Opening: Rectangular (W 0.96' x L: 3.98' x H: 0')
CIE Type: Direct

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	93	91	88	90	88	86	84																			
2	99	90	83	78	96	88	82	77	85	79	75	82	77	73	78	75	71	69																			
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58																			
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49																			
5	75	62	53	46	73	61	53	46	59	51	46	57	50	45	55	49	45	42																			
6	69	56	47	40	68	55	46	40	53	45	40	51	45	39	50	44	39	37																			
7	64	51	42	36	63	50	41	35	48	41	35	47	40	35	45	39	35	33																			
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	36	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	38	31	26	37	30	26	37	30	25	36	30	25	24																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1522	1522	1522
5°	1527	1515	1522
10°	1523	1515	1523
15°	1513	1511	1525
20°	1503	1504	1524
25°	1487	1499	1524
30°	1468	1491	1523
35°	1442	1480	1526
40°	1413	1472	1538
45°	1383	1467	1555
50°	1335	1467	1583
55°	1278	1474	1617
60°	1201	1485	1638
65°	1107	1501	1648
70°	965	1504	1516
75°	795	1400	1225
80°	624	1006	819
85°	486	389	191



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.1	3.2
10°-20°	146.5	9.2
20°-30°	222.5	14.0
30°-40°	269.6	17.0
40°-50°	284.1	17.9
50°-60°	265.2	16.7
60°-70°	211.9	13.3
70°-80°	116.6	7.3
80°-90°	20.6	1.3
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°	420.0	26.4
0°-40°	689.6	43.4
0°-60°	1238.9	78.0
0°-90°	1588.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1588.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	539	539	539	539	539	
5°	539	537	535	538	537	51
15°	518	518	517	522	522	146
25°	477	478	481	488	489	220
35°	418	422	429	440	443	262
45°	346	353	368	384	390	267
55°	260	273	300	321	329	232
65°	166	187	225	243	247	163
75°	73	104	128	115	112	78
85°	15	19	12	8	6	18
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	539.2	539.2	539.2	539.2	539.2
2.5°	541.3	539.7	536.3	539.2	537.8
5°	538.9	537.3	534.8	538.3	537.3
7.5°	536.3	534.3	531.8	535.8	534.8
10°	531.3	529.8	528.4	531.8	531.3
12.5°	525.3	524.8	523.3	527.4	526.8
15°	517.9	517.9	516.9	521.8	521.8
17.5°	509.8	509.3	509.8	515.3	514.8
20°	500.3	500.3	500.8	507.4	507.4
22.5°	488.8	489.3	490.8	498.8	498.3
25°	477.4	478.3	481.4	488.3	489.3
27.5°	463.4	465.9	469.3	477.8	478.8
30°	450.4	451.9	457.3	465.4	467.3
32.5°	435.0	437.9	443.9	452.9	455.4
35°	418.4	422.5	429.4	440.4	442.9
37.5°	402.0	405.5	415.0	426.4	430.9
40°	383.5	389.5	399.5	412.5	417.4
42.5°	365.5	371.5	385.1	398.5	403.0
45°	346.5	353.1	367.5	384.0	389.5
47.5°	325.5	333.1	351.6	369.0	374.9
50°	304.1	313.5	334.0	353.6	360.5
52.5°	281.7	293.6	317.1	337.5	344.1
55°	259.7	272.6	299.6	320.6	328.6
57.5°	237.2	251.2	281.7	305.6	310.1
60°	212.7	229.7	263.1	284.1	290.2
62.5°	188.8	208.3	244.2	264.1	269.2
65°	165.8	186.8	224.7	243.1	246.7
67.5°	140.8	165.8	203.2	220.3	221.2
70°	116.9	145.8	182.2	190.2	183.7
72.5°	93.4	124.4	157.8	151.3	145.8
75°	72.9	104.4	128.4	115.4	112.3
77.5°	54.0	85.4	91.9	84.9	79.4
80°	38.4	67.4	61.9	52.9	50.4
82.5°	26.4	42.5	34.0	26.4	23.0
85°	15.0	19.0	12.0	7.5	5.9
87.5°	6.4	4.5	2.5	2.0	2.0
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)