

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: P734337

Luminaire Tested: **24FCZ2-35HE-RDP-B2750-W2D-CA08-3000K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P734337
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P274775)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 1/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: 24FCZ2-35HE-RDP-B2750-W2D-CA08-3000K
Description: 2X4 3500 LUMEN SEALED CRUZE TROFFER WITH BIO UP LEDS AT 3000K CCT
AND RDP LENS, WITH, CA08 BOTTOM LENS

Light Source: -
Ballast/Driver: -

Summary

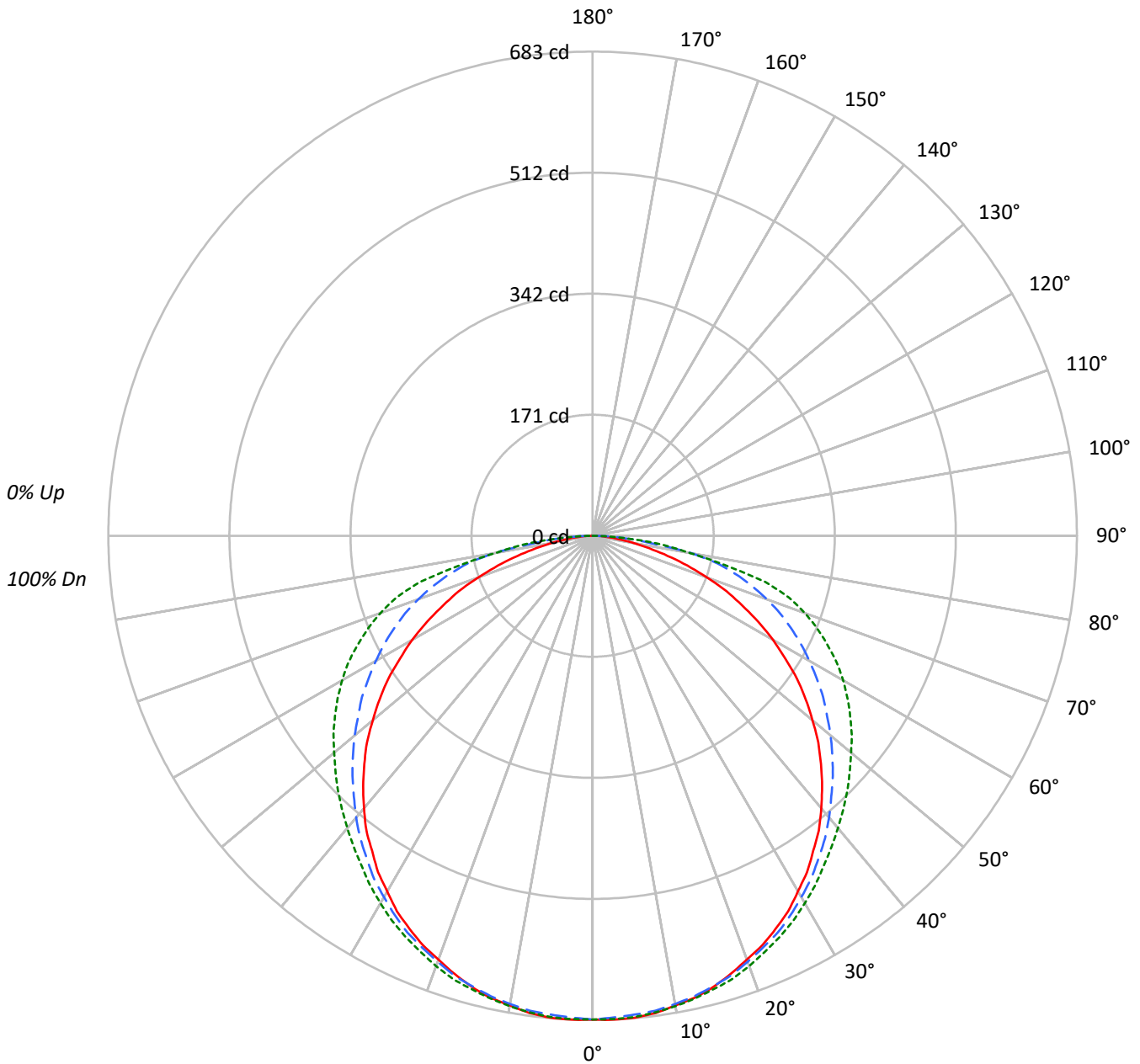
Lumens per Lamp: N/A
Luminaire Lumens: 2170.0 lumens
Efficiency: N/A
Efficacy: 83.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.3 / 1.41
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 26
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	108	103	98	94	105	100	96	92	96	93	89	92	89	87	88	86	84	82																			
2	97	89	81	75	95	87	80	74	83	77	72	80	75	71	77	73	69	67																			
3	88	77	68	62	86	76	68	61	72	66	60	70	64	59	67	62	58	56																			
4	81	68	59	52	78	67	58	51	64	57	51	62	55	50	59	54	49	47																			
5	74	60	51	44	72	59	51	44	57	49	43	55	48	43	53	47	42	40																			
6	68	54	45	38	66	53	45	38	51	44	38	50	43	37	48	42	37	35																			
7	63	49	40	34	61	48	40	34	47	39	33	45	38	33	44	38	33	31																			
8	59	45	36	30	57	44	36	30	43	35	30	41	34	29	40	34	29	27																			
9	55	41	33	27	53	40	32	27	39	32	27	38	31	26	37	31	26	24																			
10	51	38	30	24	50	37	29	24	36	29	24	35	29	24	34	28	24	22																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	963	963	963
5°	967	961	965
10°	964	961	966
15°	963	961	967
20°	955	960	970
25°	952	962	972
30°	944	959	975
35°	935	957	979
40°	924	956	992
45°	909	956	1014
50°	889	962	1045
55°	866	977	1091
60°	829	996	1151
65°	776	1032	1222
70°	706	1079	1315
75°	599	1139	1374
80°	472	1145	1111
85°	348	873	975



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.7	3.0
10°-20°	186.3	8.6
20°-30°	284.9	13.1
30°-40°	348.3	16.0
40°-50°	371.2	17.1
50°-60°	354.9	16.4
60°-70°	300.6	13.9
70°-80°	202.0	9.3
80°-90°	57.0	2.6
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°	535.9	24.7
0°-40°	884.2	40.7
0°-60°	1610.3	74.2
0°-90°	2170.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2170.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	682	682	682	682	682	
5°	682	681	678	681	681	65
15°	659	659	658	663	662	186
25°	611	614	618	623	624	282
35°	542	547	555	566	568	340
45°	455	463	479	499	508	351
55°	352	365	397	428	444	313
65°	232	256	309	350	366	231
75°	110	150	209	244	252	118
85°	22	44	54	58	60	27
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	682.4	682.4	682.4	682.4	682.4
2.5°	683.4	683.4	680.2	682.4	682.4
5°	682.4	681.4	678.1	681.4	681.4
7.5°	679.2	678.1	675.9	679.2	678.1
10°	672.7	672.7	670.6	673.8	673.8
12.5°	667.4	666.3	665.1	669.4	668.4
15°	658.8	658.8	657.6	663.1	661.9
17.5°	648.0	649.1	650.1	654.4	655.5
20°	636.1	638.3	639.3	645.8	645.8
22.5°	625.3	626.5	628.5	635.0	635.0
25°	611.4	613.5	617.8	623.2	624.3
27.5°	597.4	598.4	603.9	611.4	612.5
30°	579.1	582.3	588.7	597.4	598.4
32.5°	562.9	566.1	573.6	582.3	584.4
35°	542.5	546.8	555.4	566.1	568.3
37.5°	524.2	527.4	538.2	550.0	553.3
40°	501.6	508.0	518.8	532.8	538.2
42.5°	479.0	485.4	498.4	516.7	523.2
45°	455.3	462.8	479.0	499.4	508.0
47.5°	431.7	440.2	458.5	482.2	491.9
50°	404.7	415.4	438.0	465.0	475.8
52.5°	378.8	391.8	416.6	446.7	460.7
55°	352.0	364.8	397.1	428.4	443.5
57.5°	321.9	339.0	374.6	410.1	426.2
60°	293.8	309.9	353.0	391.8	407.9
62.5°	263.7	285.3	331.5	372.4	388.6
65°	232.4	256.2	308.9	349.8	366.0
67.5°	204.5	230.4	286.3	327.2	343.4
70°	171.2	203.4	261.5	302.4	318.6
72.5°	139.9	175.5	235.7	275.5	290.6
75°	109.8	149.6	208.8	244.4	251.9
77.5°	81.8	123.8	180.8	195.8	190.5
80°	58.1	99.0	140.9	133.4	136.7
82.5°	37.6	75.4	87.2	99.0	102.3
85°	21.5	44.1	53.9	58.1	60.2
87.5°	9.7	16.1	21.5	21.5	20.5
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)