

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: P732607

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

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P732607
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P275838)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 1/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: 14FCZ2-25-RDP-B2750-W2D-CP375-3000K
Description: 1X4 2500 LUMEN SEALED CRUZE TROFFER WITH BIO UP LEDS AT 3000K CCT
AND RDP LENS, WITH, CP375 BOTTOM LENS

Light Source: -
Ballast/Driver: -

Summary

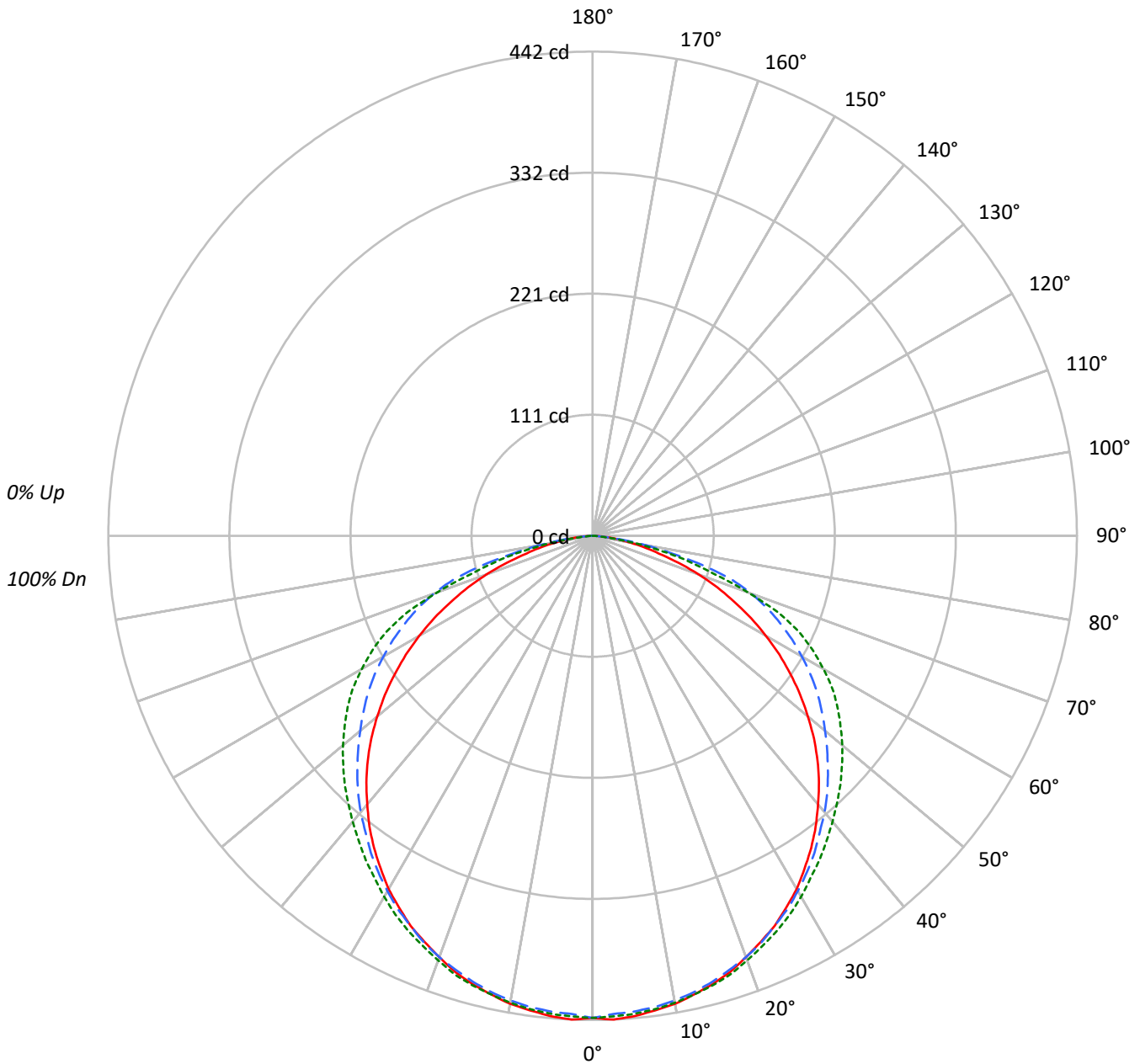
Lumens per Lamp: N/A
Luminaire Lumens: 1314.0 lumens
Efficiency: N/A
Efficacy: 69.2 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.28 / 1.4
Luminous Opening: Rectangular (W 0.96' x L: 3.98' x H: 0')
CIE Type: Direct

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	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69																			
3	90	79	71	64	87	77	70	63	74	68	62	71	66	61	69	64	60	58																			
4	82	70	61	54	80	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	50	42	35	62	50	41	35	48	40	35	47	40	35	45	39	34	32																			
8	60	46	37	31	58	45	37	31	44	36	31	43	36	31	41	35	31	29																			
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26																			
10	52	39	31	25	51	38	31	25	37	30	25	36	30	25	35	29	25	23																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1242	1242	1242
5°	1247	1235	1241
10°	1244	1235	1241
15°	1238	1232	1241
20°	1229	1229	1239
25°	1224	1224	1240
30°	1214	1221	1241
35°	1198	1216	1244
40°	1179	1213	1255
45°	1159	1212	1277
50°	1126	1216	1306
55°	1086	1232	1343
60°	1031	1245	1373
65°	952	1260	1391
70°	847	1270	1245
75°	683	1141	996
80°	533	801	650
85°	366	233	168



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.7	3.2
10°-20°	119.5	9.1
20°-30°	182.0	13.8
30°-40°	221.7	16.9
40°-50°	235.2	17.9
50°-60°	221.9	16.9
60°-70°	179.2	13.6
70°-80°	97.2	7.4
80°-90°	15.7	1.2
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°	343.1	26.1
0°-40°	564.8	43.0
0°-60°	1021.9	77.8
0°-90°	1314.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1314.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	440	440	440	440	440	
5°	440	439	436	439	438	42
15°	424	423	422	425	425	120
25°	393	392	393	397	398	181
35°	348	350	353	360	361	217
45°	290	294	304	315	320	224
55°	221	230	250	267	273	197
65°	143	160	189	204	208	141
75°	63	91	105	94	91	68
85°	11	12	7	6	5	14
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	440.1	440.1	440.1	440.1	440.1
2.5°	442.1	440.1	437.0	440.1	439.1
5°	440.1	439.1	435.9	439.1	438.1
7.5°	437.0	437.0	433.9	435.9	435.9
10°	433.9	432.9	430.9	433.9	432.9
12.5°	428.8	427.8	426.8	429.8	428.8
15°	423.6	422.6	421.6	424.8	424.8
17.5°	417.5	416.5	415.5	419.6	419.6
20°	409.3	409.3	409.3	413.4	412.4
22.5°	401.1	401.1	402.1	406.3	405.3
25°	392.9	391.9	392.9	397.0	398.0
27.5°	382.6	383.6	384.6	388.8	389.8
30°	372.4	373.5	374.5	379.6	380.6
32.5°	360.1	362.1	364.1	370.3	370.3
35°	347.8	349.8	353.0	360.1	361.1
37.5°	334.5	336.5	340.6	348.8	350.8
40°	320.0	323.2	329.3	337.5	340.6
42.5°	305.7	309.8	317.0	326.2	330.3
45°	290.3	294.4	303.7	315.0	320.0
47.5°	273.9	279.0	290.3	304.7	308.8
50°	256.5	263.7	277.0	292.3	297.5
52.5°	239.0	247.2	263.7	280.0	285.2
55°	220.6	229.7	250.4	266.7	272.9
57.5°	202.1	212.4	235.9	253.4	259.5
60°	182.6	194.9	220.6	238.0	243.2
62.5°	163.1	177.4	205.2	222.6	226.7
65°	142.6	160.1	188.7	204.2	208.2
67.5°	123.1	143.6	172.4	183.6	183.6
70°	102.6	125.1	153.9	156.9	150.8
72.5°	82.1	107.8	133.4	122.1	116.9
75°	62.6	91.3	104.6	94.4	91.3
77.5°	47.2	73.8	73.8	67.6	65.6
80°	32.8	56.5	49.3	43.1	40.0
82.5°	21.5	31.8	25.7	20.5	17.5
85°	11.3	12.3	7.2	6.2	5.2
87.5°	4.1	2.0	1.0	2.0	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)