

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: P732606

Luminaire Tested: **14FCZ2-25-RDP-B2750-W2D-CP375-2700K**

Issue Date: 1/5/2024

Test Information

Test Method: LM-79-08
Report Number: P732606
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-CP375-2700K
Description: 1X4 2500 LUMEN SEALED CRUZE TROFFER WITH BIO UP LEDS AT 2700K CCT
AND RDP LENS, WITH, CP375 BOTTOM LENS

Light Source: -
Ballast/Driver: -

Summary

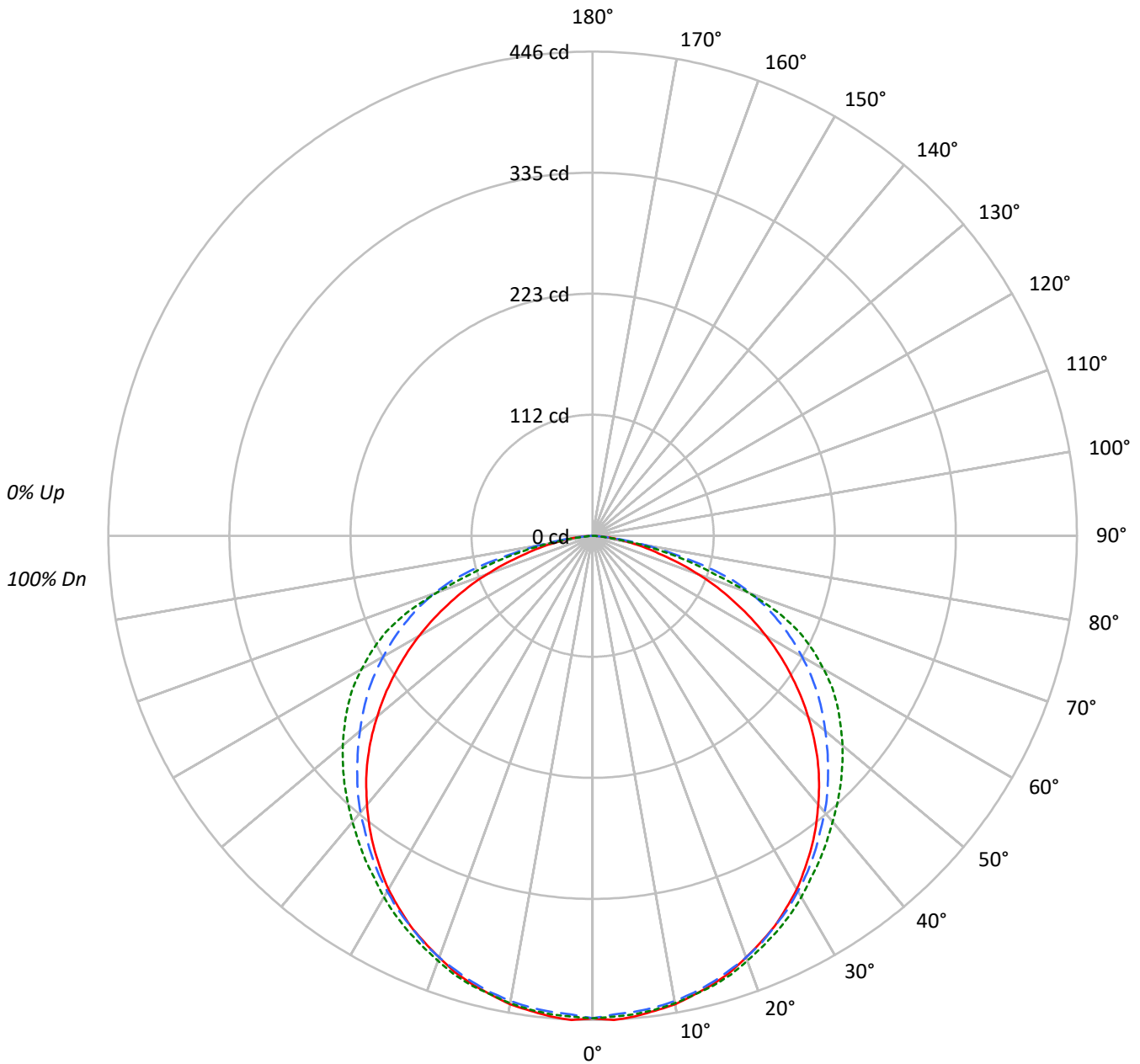
Lumens per Lamp: N/A
Luminaire Lumens: 1327.0 lumens
Efficiency: N/A
Efficacy: 69.8 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.28 / 1.4
Luminous Opening: Rectangular (W 0.96' x L: 3.98' x H: 0')
CIE Type: Direct

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°	1255	1255	1255
5°	1259	1248	1254
10°	1256	1247	1253
15°	1250	1244	1254
20°	1241	1241	1251
25°	1236	1236	1252
30°	1226	1233	1253
35°	1210	1228	1257
40°	1191	1226	1268
45°	1170	1224	1290
50°	1138	1228	1319
55°	1096	1244	1356
60°	1041	1257	1387
65°	962	1273	1405
70°	855	1283	1257
75°	689	1153	1006
80°	538	810	657
85°	369	233	168



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.1	3.2
10°-20°	120.7	9.1
20°-30°	183.8	13.8
30°-40°	223.9	16.9
40°-50°	237.5	17.9
50°-60°	224.1	16.9
60°-70°	181.0	13.6
70°-80°	98.2	7.4
80°-90°	15.9	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°	346.5	26.1
0°-40°	570.4	43.0
0°-60°	1032.0	77.8
0°-90°	1327.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1327.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	444	444	444	444	444	
5°	444	443	440	443	442	42
15°	428	427	426	429	429	121
25°	397	396	397	401	402	183
35°	351	353	356	364	365	220
45°	293	297	307	318	323	226
55°	223	232	253	269	276	199
65°	144	162	191	206	210	143
75°	63	92	106	95	92	69
85°	11	12	7	6	5	15
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	444.5	444.5	444.5	444.5	444.5
2.5°	446.5	444.5	441.3	444.5	443.4
5°	444.5	443.4	440.3	443.4	442.4
7.5°	441.3	441.3	438.2	440.3	440.3
10°	438.2	437.2	435.2	438.2	437.2
12.5°	433.0	432.0	431.0	434.0	433.0
15°	427.8	426.8	425.8	429.0	429.0
17.5°	421.6	420.6	419.6	423.8	423.8
20°	413.3	413.3	413.3	417.5	416.5
22.5°	405.1	405.1	406.1	410.3	409.3
25°	396.8	395.8	396.8	400.9	401.9
27.5°	386.4	387.4	388.4	392.6	393.7
30°	376.1	377.1	378.2	383.4	384.4
32.5°	363.7	365.7	367.8	374.0	374.0
35°	351.2	353.3	356.4	363.7	364.7
37.5°	337.8	339.8	344.0	352.3	354.3
40°	323.2	326.4	332.6	340.8	344.0
42.5°	308.7	312.9	320.1	329.4	333.6
45°	293.2	297.3	306.7	318.1	323.2
47.5°	276.6	281.8	293.2	307.7	311.9
50°	259.1	266.3	279.7	295.2	300.4
52.5°	241.4	249.7	266.3	282.8	288.0
55°	222.7	232.0	252.8	269.3	275.6
57.5°	204.1	214.5	238.2	255.9	262.1
60°	184.4	196.8	222.7	240.4	245.6
62.5°	164.7	179.2	207.2	224.8	229.0
65°	144.0	161.7	190.6	206.2	210.3
67.5°	124.3	145.0	174.1	185.4	185.4
70°	103.6	126.4	155.4	158.5	152.3
72.5°	82.9	108.8	134.7	123.3	118.1
75°	63.2	92.2	105.7	95.4	92.2
77.5°	47.6	74.5	74.5	68.3	66.3
80°	33.1	57.0	49.8	43.6	40.4
82.5°	21.7	32.1	25.9	20.7	17.7
85°	11.4	12.4	7.2	6.2	5.2
87.5°	4.2	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)