

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: P732608

Luminaire Tested: **14FCZ2-25-RDP-B2750-W2D-CP375-3500K**

Issue Date: 1/5/2024

Test Information

Test Method: LM-79-08
Report Number: P732608
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-CP375-3500K
Description: 1X4 2500 LUMEN SEALED CRUZE TROFFER WITH BIO UP LEDS AT 3500K CCT
AND RDP LENS, WITH, CP375 BOTTOM LENS

Light Source: -
Ballast/Driver: -

Summary

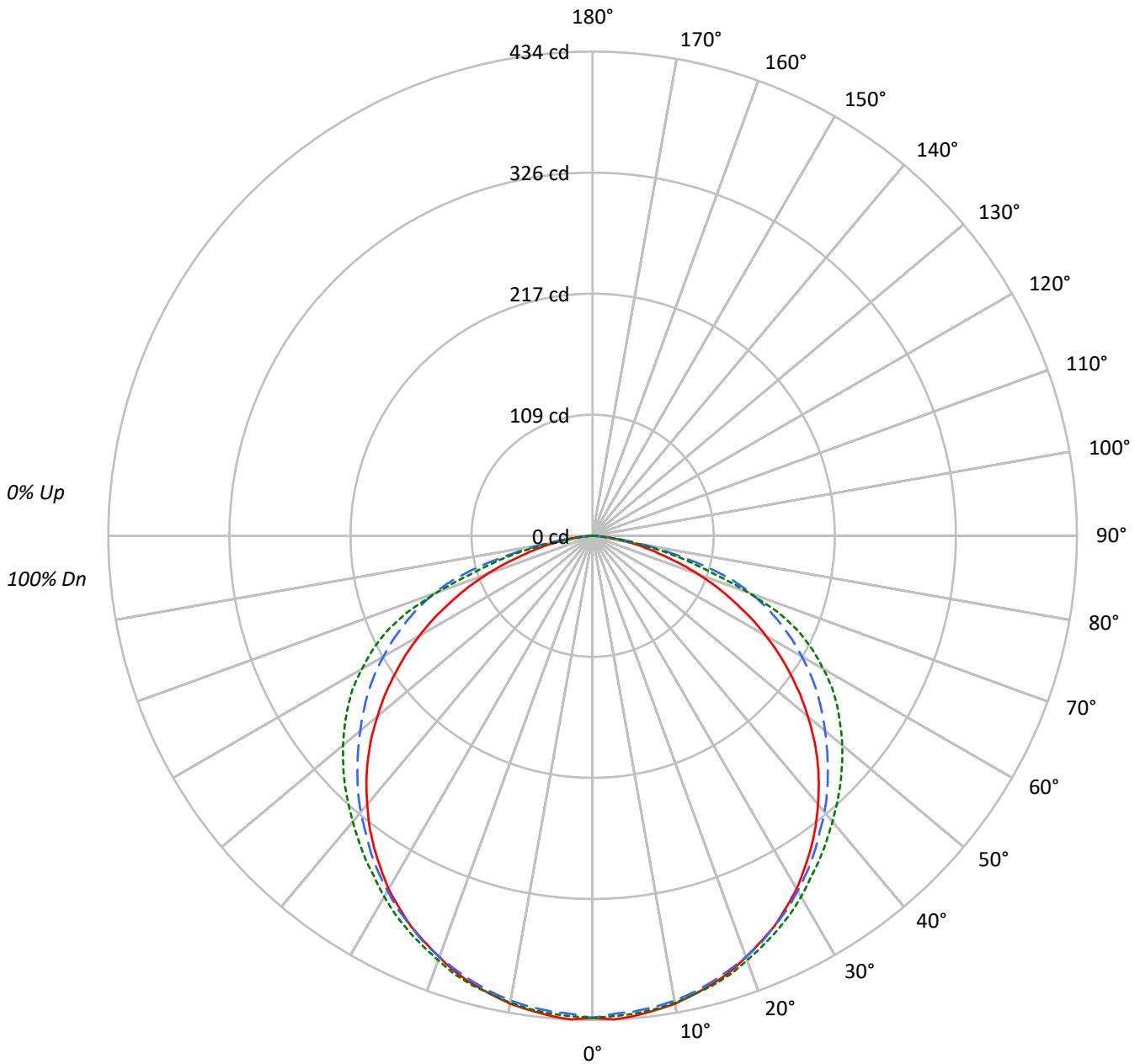
Lumens per Lamp: N/A
Luminaire Lumens: 1290.0 lumens
Efficiency: N/A
Efficacy: 67.9 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.28 / 1.4
Luminous Opening: Rectangular (W 0.96' x L: 3.98' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P732608

CATALOG NUMBER: 14FCZ2-25-RDP-B2750-W2D-CP375-3500K

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°	1220	1220	1220
5°	1224	1213	1219
10°	1221	1212	1218
15°	1215	1210	1219
20°	1207	1207	1216
25°	1202	1202	1217
30°	1192	1198	1218
35°	1176	1194	1222
40°	1158	1191	1232
45°	1138	1190	1254
50°	1106	1194	1283
55°	1065	1210	1318
60°	1012	1222	1348
65°	935	1238	1365
70°	831	1247	1221
75°	671	1120	977
80°	523	787	639
85°	359	227	165



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.9	3.2
10°-20°	117.3	9.1
20°-30°	178.7	13.8
30°-40°	217.6	16.9
40°-50°	230.9	17.9
50°-60°	217.9	16.9
60°-70°	175.9	13.6
70°-80°	95.4	7.4
80°-90°	15.4	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°	336.9	26.1
0°-40°	554.5	43.0
0°-60°	1003.2	77.8
0°-90°	1290.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1290.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	432	432	432	432	432	
5°	432	431	428	431	430	41
15°	416	415	414	417	417	117
25°	386	385	386	390	391	178
35°	341	343	346	354	354	213
45°	285	289	298	309	314	219
55°	216	226	246	262	268	193
65°	140	157	185	200	204	139
75°	62	90	103	93	90	67
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°	432.1	432.1	432.1	432.1	432.1
2.5°	434.0	432.1	429.0	432.1	431.1
5°	432.1	431.1	428.0	431.1	430.1
7.5°	429.0	429.0	426.0	428.0	428.0
10°	426.0	425.0	423.0	426.0	425.0
12.5°	420.9	420.0	419.0	421.9	420.9
15°	415.9	414.9	413.9	417.0	417.0
17.5°	409.8	408.9	407.9	411.9	411.9
20°	401.8	401.8	401.8	405.9	404.9
22.5°	393.8	393.8	394.8	398.9	397.9
25°	385.8	384.8	385.8	389.7	390.7
27.5°	375.6	376.6	377.6	381.7	382.7
30°	365.6	366.6	367.6	372.7	373.7
32.5°	353.5	355.5	357.5	363.5	363.5
35°	341.4	343.4	346.5	353.5	354.5
37.5°	328.4	330.3	334.4	342.4	344.4
40°	314.2	317.3	323.3	331.3	334.4
42.5°	300.1	304.2	311.2	320.2	324.3
45°	285.0	289.0	298.1	309.2	314.2
47.5°	268.9	273.9	285.0	299.1	303.2
50°	251.8	258.9	271.9	287.0	292.1
52.5°	234.7	242.7	258.9	274.9	280.0
55°	216.5	225.5	245.8	261.8	267.9
57.5°	198.4	208.5	231.6	248.7	254.8
60°	179.2	191.3	216.5	233.7	238.7
62.5°	160.1	174.2	201.5	218.5	222.6
65°	140.0	157.1	185.3	200.5	204.4
67.5°	120.9	141.0	169.2	180.2	180.2
70°	100.7	122.8	151.1	154.1	148.0
72.5°	80.6	105.8	131.0	119.9	114.8
75°	61.5	89.6	102.7	92.7	89.6
77.5°	46.3	72.5	72.5	66.4	64.4
80°	32.2	55.4	48.4	42.3	39.3
82.5°	21.1	31.2	25.2	20.1	17.2
85°	11.1	12.1	7.0	6.0	5.1
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)