

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: P578668

Luminaire Tested: **FLD6C-65-D010 FEU6C-X-90-30 F6X-M-X-H**

Issue Date: 3/1/2023



Test Information

Test Method: LM-79-08
Report Number: P578668
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P203254)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/1/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6C-65-D010 FEU6C-X-90-30 F6X-M-X-H
Description: 6 INCH FAIL-SAFE LED DOWNLIGHT WITH 3000K, 90 CRI LEDS, 6LBMH TRIM

Light Source: -
Ballast/Driver: -

Summary

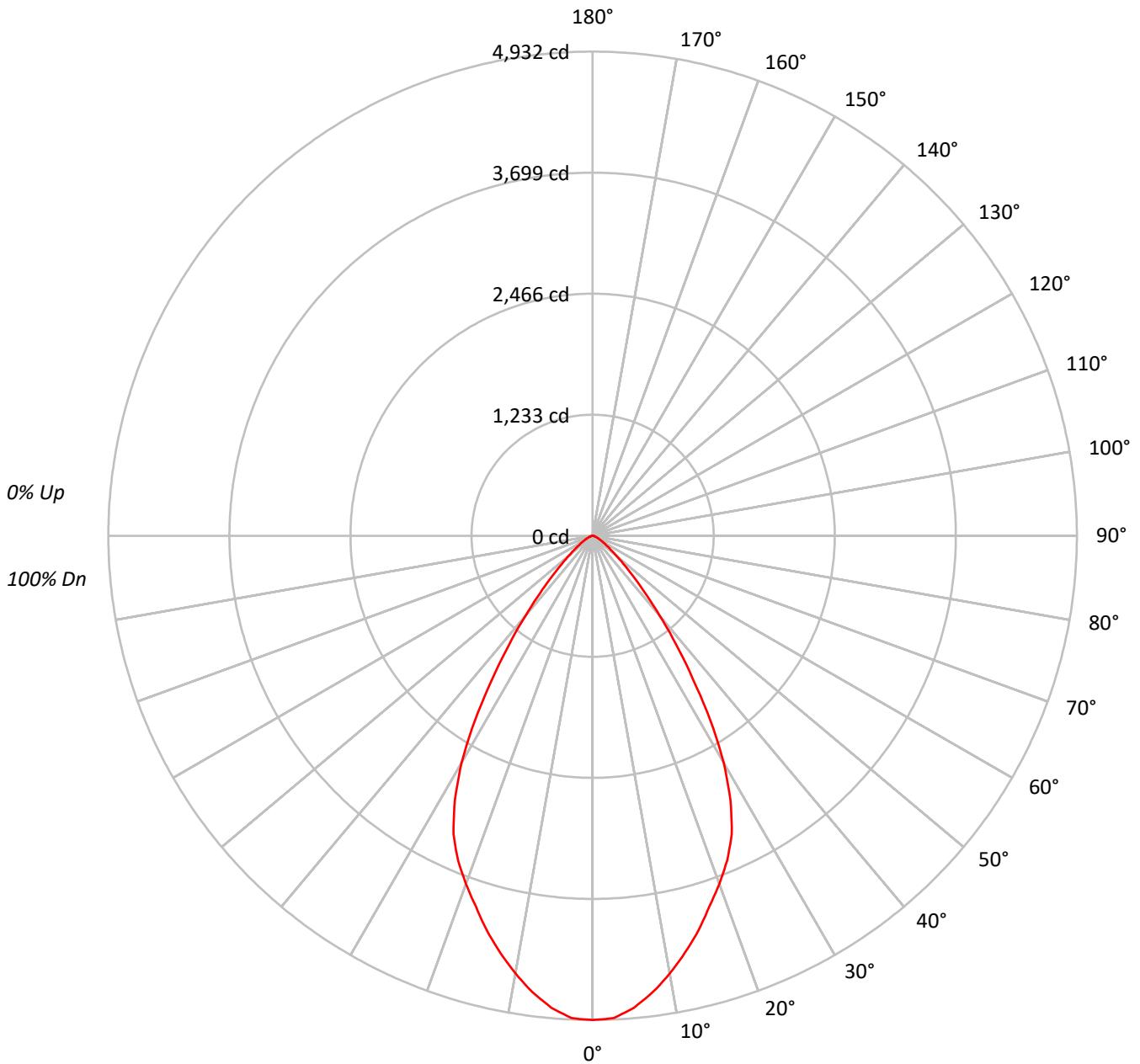
Lumens per Lamp: N/A
Luminaire Lumens: 4984.1 lumens
Efficiency: N/A
Efficacy: 68.8 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.93
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 72.4
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									20																	
RC	80									70									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	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	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	92																																				
2	107	102	97	93	105	100	96	92	97	93	90	94	91	88	91	89	87	85																																				
3	101	94	88	84	99	92	87	84	90	86	82	87	84	81	85	82	80	78																																				
4	95	87	81	76	93	86	80	76	84	79	75	82	78	74	80	76	73	72																																				
5	90	81	75	70	88	80	74	70	78	73	69	76	72	68	75	71	68	66																																				
6	85	75	69	64	83	75	69	64	73	68	64	72	67	63	70	66	63	61																																				
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57																																				
8	76	66	60	55	75	65	59	55	64	59	55	63	58	55	62	58	54	53																																				
9	72	62	56	51	71	61	55	51	60	55	51	60	55	51	59	54	51	49																																				
10	69	58	52	48	68	58	52	48	57	52	48	56	51	48	55	51	48	46																																				

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	270395
5°	265556
10°	251988
15°	236301
20°	220064
25°	202772
30°	168950
35°	119083
40°	75892
45°	45261
50°	26711
55°	16993
60°	11710
65°	8315
70°	5722
75°	4533
80°	2210
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	451.0	9.0
10°-20°	1166.7	23.4
20°-30°	1511.7	30.3
30°-40°	1122.3	22.5
40°-50°	473.8	9.5
50°-60°	168.2	3.4
60°-70°	65.0	1.3
70°-80°	22.5	0.5
80°-90°	2.9	0.1
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°	3129.4	62.8
0°-40°	4251.7	85.3
0°-60°	4893.8	98.2
0°-90°	4984.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4984.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4932	
5°	4826	451
15°	4164	1167
25°	3352	1512
35°	1779	1122
45°	584	474
55°	178	168
65°	64	65
75°	21	22
85°	0	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4932.4
2.5°	4918.1
5°	4825.7
7.5°	4690.3
10°	4526.8
12.5°	4348.7
15°	4163.6
17.5°	3957.4
20°	3772.2
22.5°	3580.1
25°	3352.3
27.5°	3039.0
30°	2669.0
32.5°	2234.7
35°	1779.4
37.5°	1395.1
40°	1060.5
42.5°	790.0
45°	583.8
47.5°	427.0
50°	313.2
52.5°	234.9
55°	177.8
57.5°	135.1
60°	106.8
62.5°	78.4
65°	64.1
67.5°	49.7
70°	35.7
72.5°	28.4
75°	21.4
77.5°	14.3
80°	7.0
82.5°	7.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180°







(END OF REPORT)