

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: P576388

Luminaire Tested: **FLD6C-25-D010 FEU6C-X-90-40 F6X-M-X-H**

Issue Date: 3/1/2023



Test Information

Test Method: LM-79-08
Report Number: P576388
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-25-D010 FEU6C-X-90-40 F6X-M-X-H
Description: 6 INCH FAIL-SAFE LED DOWNLIGHT WITH 4000K, 90 CRI LEDS, 6LBMH TRIM

Light Source: -
Ballast/Driver: -

Summary

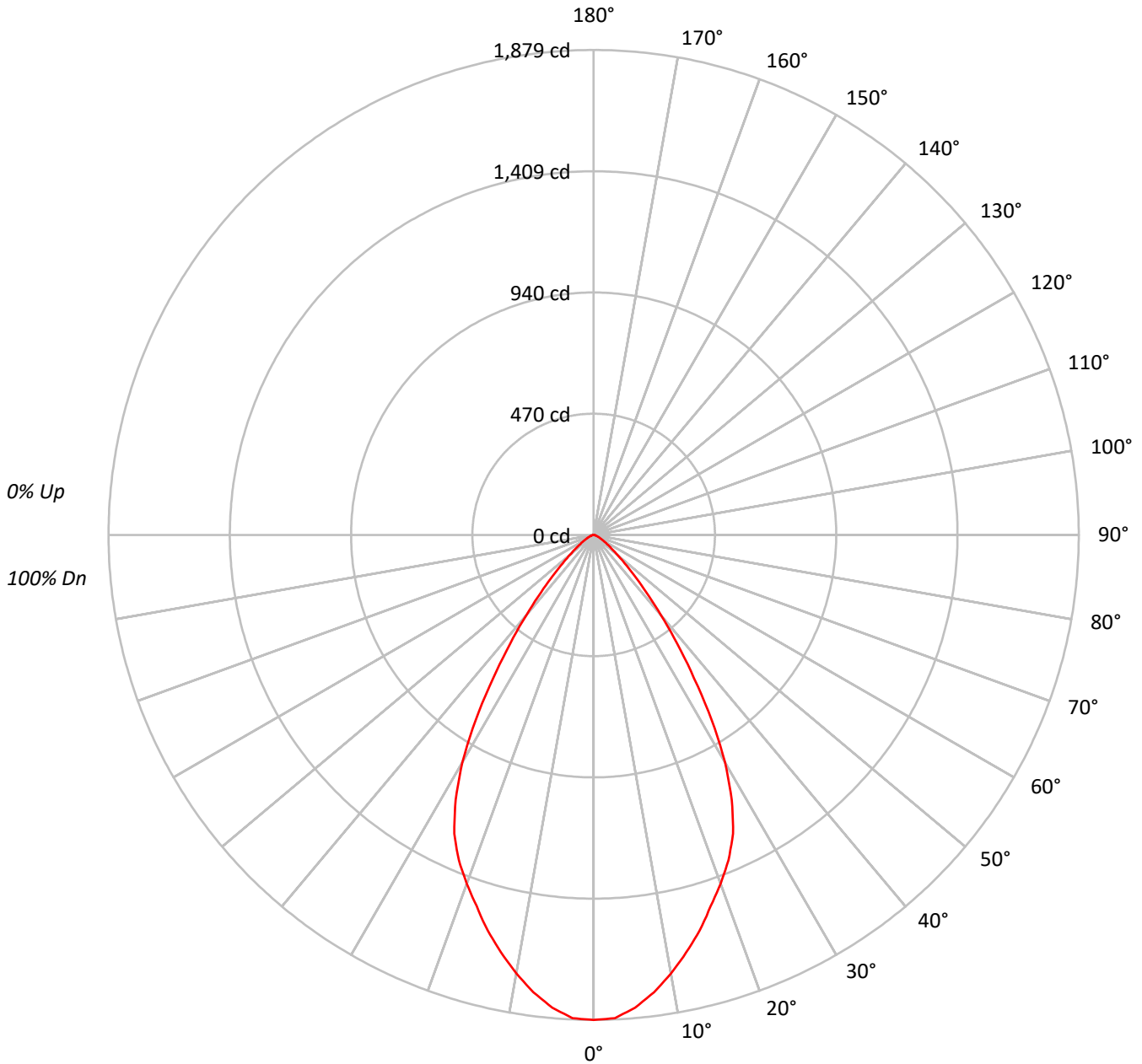
Lumens per Lamp: N/A
Luminaire Lumens: 1899.0 lumens
Efficiency: N/A
Efficacy: 60.3 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.93
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 31.5
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°	103029
5°	101183
10°	96012
15°	90035
20°	83850
25°	77261
30°	64377
35°	45374
40°	28918
45°	17242
50°	10175
55°	6480
60°	4462
65°	3165
70°	2180
75°	1716
80°	852
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.8	9.0
10°-20°	444.5	23.4
20°-30°	576.0	30.3
30°-40°	427.6	22.5
40°-50°	180.5	9.5
50°-60°	64.1	3.4
60°-70°	24.7	1.3
70°-80°	8.6	0.5
80°-90°	1.1	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°	1192.4	62.8
0°-40°	1620.0	85.3
0°-60°	1864.6	98.2
0°-90°	1899.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1899.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1879	
5°	1839	172
15°	1586	445
25°	1277	576
35°	678	428
45°	222	181
55°	68	64
65°	24	25
75°	8	9
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1879.4
2.5°	1873.9
5°	1838.7
7.5°	1787.1
10°	1724.8
12.5°	1656.9
15°	1586.4
17.5°	1507.8
20°	1437.3
22.5°	1364.1
25°	1277.3
27.5°	1157.9
30°	1017.0
32.5°	851.5
35°	678.0
37.5°	531.5
40°	404.1
42.5°	301.0
45°	222.4
47.5°	162.7
50°	119.3
52.5°	89.5
55°	67.8
57.5°	51.5
60°	40.7
62.5°	29.9
65°	24.4
67.5°	18.9
70°	13.6
72.5°	10.8
75°	8.1
77.5°	5.5
80°	2.7
82.5°	2.7
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180°







(END OF REPORT)