

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: P365177

Luminaire Tested: **FLD6BX10D010-FEU6B12-8030-F6LBXVM1-MW-BL84**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365177  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-36)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX10D010-FEU6B12-8030-F6LBXVM1-MW-BL84  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.125", 1000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 827.0 lumens  
Efficiency: N/A  
Efficacy: 82.7 lumens/watt  
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.95  
Luminous Opening: Circular (Dia: 0.71' x H: 0')  
CIE Type: Direct

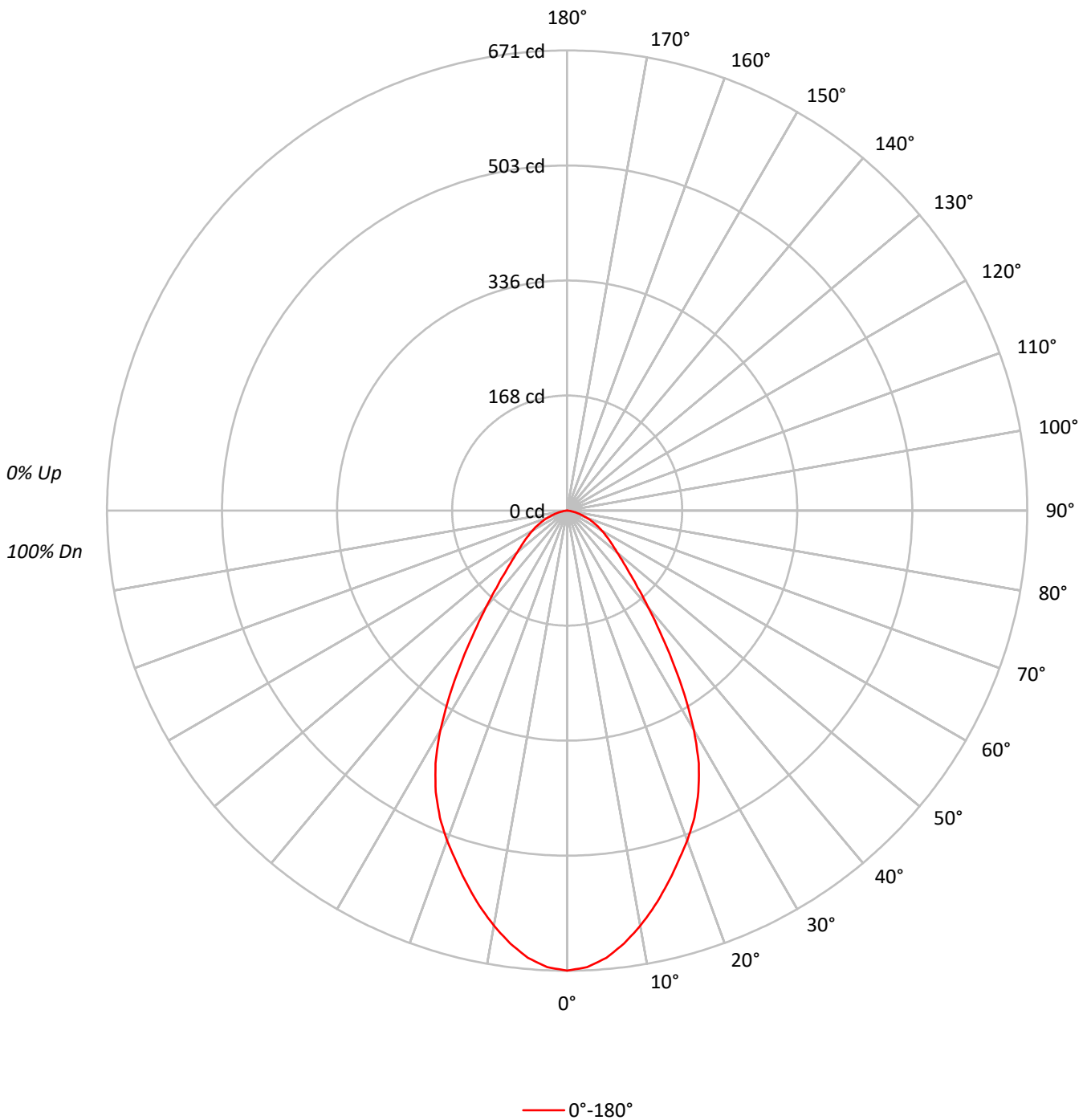
Input Watts (W): 10  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	112	108	105	102	109	106	103	101	102	100	97		98	96	95		95	93	92	90
2	104	98	93	89	102	96	92	88	93	89	86		90	87	84		87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76		82	78	75		80	77	74	72
4	91	82	75	70	89	80	74	69	78	73	68		76	71	67		74	70	67	65
5	85	75	68	63	84	74	67	62	72	66	62		70	65	61		69	64	61	59
6	80	69	62	57	78	68	62	57	67	61	56		65	60	56		64	59	55	54
7	75	64	57	52	74	64	57	52	62	56	52		61	55	51		60	55	51	49
8	71	60	53	48	70	59	52	48	58	52	47		57	51	47		56	51	47	45
9	67	56	49	44	66	55	49	44	54	48	44		53	48	44		52	47	44	42
10	64	52	46	41	62	52	45	41	51	45	41		50	45	41		49	44	41	39

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	18323
5°	17949
10°	17050
15°	15952
20°	14883
25°	13653
30°	11661
35°	8890
40°	6547
45°	4968
50°	4046
55°	3557
60°	3179
65°	2812
70°	2380
75°	1857
80°	1243
85°	564



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	61.2	7.4
10°-20°	158.3	19.1
20°-30°	205.7	24.9
30°-40°	167.6	20.3
40°-50°	101.7	12.3
50°-60°	67.3	8.1
60°-70°	43.2	5.2
70°-80°	19.1	2.3
80°-90°	2.8	0.3
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°	425.2	51.4
0°-40°	592.9	71.7
0°-60°	761.9	92.1
0°-90°	827.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	827.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	671	
5°	655	61
15°	564	158
25°	453	206
35°	267	168
45°	129	102
55°	75	67
65°	44	43
75°	18	19
85°	2	3
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	670.8
2.5°	666.4
5°	654.6
7.5°	636.6
10°	614.7
12.5°	590.3
15°	564.1
17.5°	537.1
20°	512.0
22.5°	484.7
25°	453.0
27.5°	415.7
30°	369.7
32.5°	318.0
35°	266.6
37.5°	221.0
40°	183.6
42.5°	152.3
45°	128.6
47.5°	109.9
50°	95.2
52.5°	84.1
55°	74.7
57.5°	66.1
60°	58.2
62.5°	50.7
65°	43.5
67.5°	36.6
70°	29.8
72.5°	23.4
75°	17.6
77.5°	12.6
80°	7.9
82.5°	4.3
85°	1.8
87.5°	0.4
90°	0.0

(END OF REPORT)