

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: P365250

Luminaire Tested: **FLD6BX15D010-FEU6B12-8027-F6LBXVM1-MW-BL85**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365250  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-37)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX15D010-FEU6B12-8027-F6LBXVM1-MW-BL85  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.187", 1500LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1073.0 lumens  
Efficiency: N/A  
Efficacy: 75.6 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

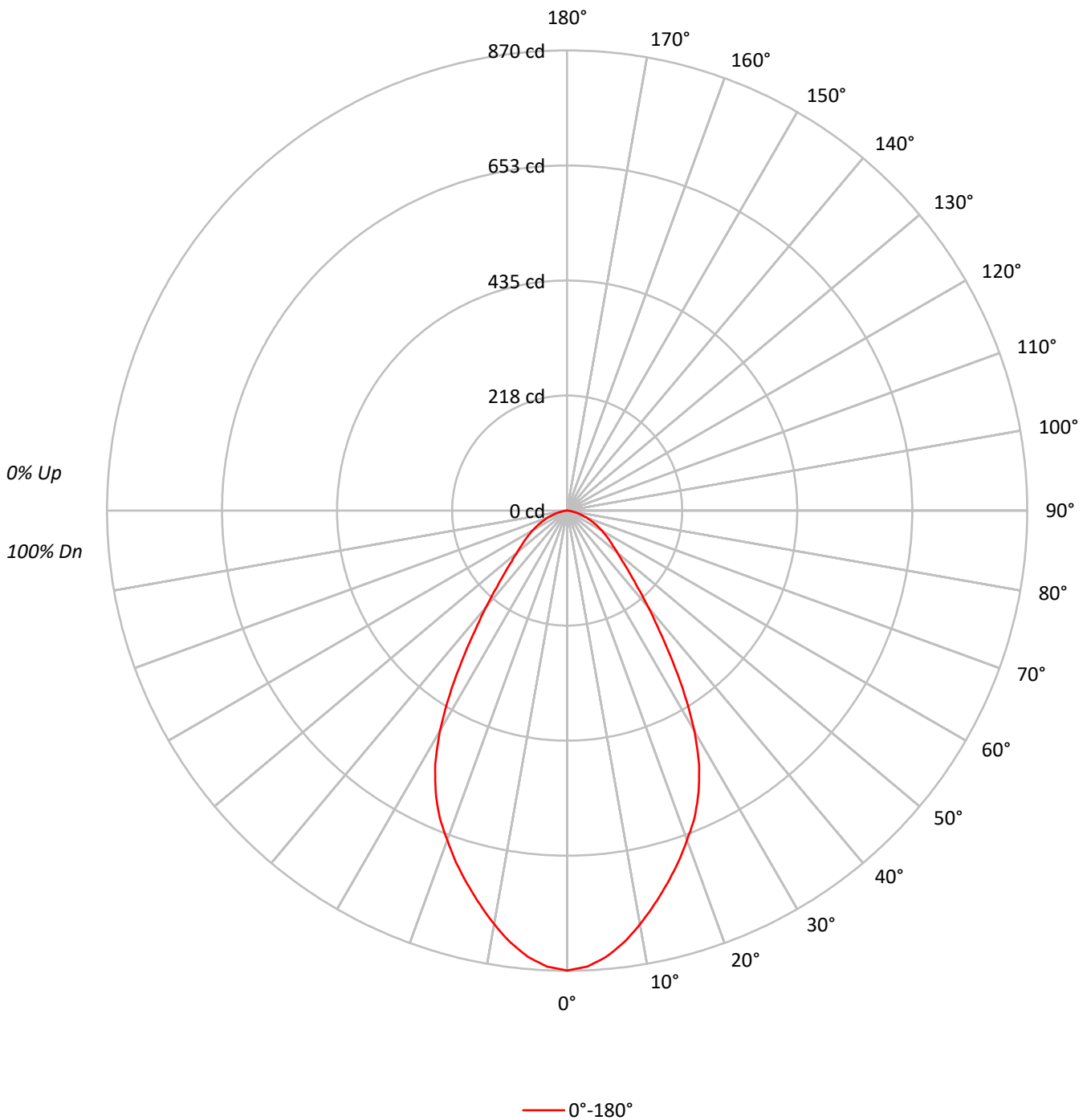
Input Watts (W): 14.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	94		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	69	89	80	74	69	78	73	68		76	71	67		74	70	67	65
5	85	75	68	63	83	74	67	62	72	66	62		70	65	61		69	64	60	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	63	57	52	62	56	51		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°	23753
5°	23227
10°	22031
15°	20649
20°	19266
25°	17722
30°	15181
35°	11558
40°	8490
45°	6432
50°	5269
55°	4634
60°	4141
65°	3626
70°	3099
75°	2417
80°	1620
85°	721



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	79.2	7.4
10°-20°	205.0	19.1
20°-30°	267.1	24.9
30°-40°	217.8	20.3
40°-50°	131.8	12.3
50°-60°	87.6	8.2
60°-70°	56.0	5.2
70°-80°	24.8	2.3
80°-90°	3.7	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°	551.3	51.4
0°-40°	769.1	71.7
0°-60°	988.5	92.1
0°-90°	1073.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1073.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	870	
5°	847	79
15°	730	205
25°	588	267
35°	347	218
45°	166	132
55°	97	88
65°	56	56
75°	23	25
85°	2	4
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	869.6
2.5°	863.0
5°	847.1
7.5°	823.3
10°	794.3
12.5°	762.5
15°	730.2
17.5°	697.9
20°	662.8
22.5°	629.2
25°	588.0
27.5°	540.3
30°	481.3
32.5°	414.0
35°	346.6
37.5°	285.8
40°	238.1
42.5°	197.4
45°	166.5
47.5°	142.2
50°	124.0
52.5°	109.0
55°	97.3
57.5°	86.1
60°	75.8
62.5°	66.0
65°	56.1
67.5°	47.2
70°	38.8
72.5°	30.4
75°	22.9
77.5°	16.4
80°	10.3
82.5°	5.6
85°	2.3
87.5°	0.5
90°	0.0

(END OF REPORT)