

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: P365214

Luminaire Tested: **FLD6BX10D010-FEU6B12-8040-F6LBXVM1-MW-BL85**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365214  
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: FLD6BX10D010-FEU6B12-8040-F6LBXVM1-MW-BL85  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.187", 1000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 850.0 lumens  
Efficiency: N/A  
Efficacy: 85.0 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

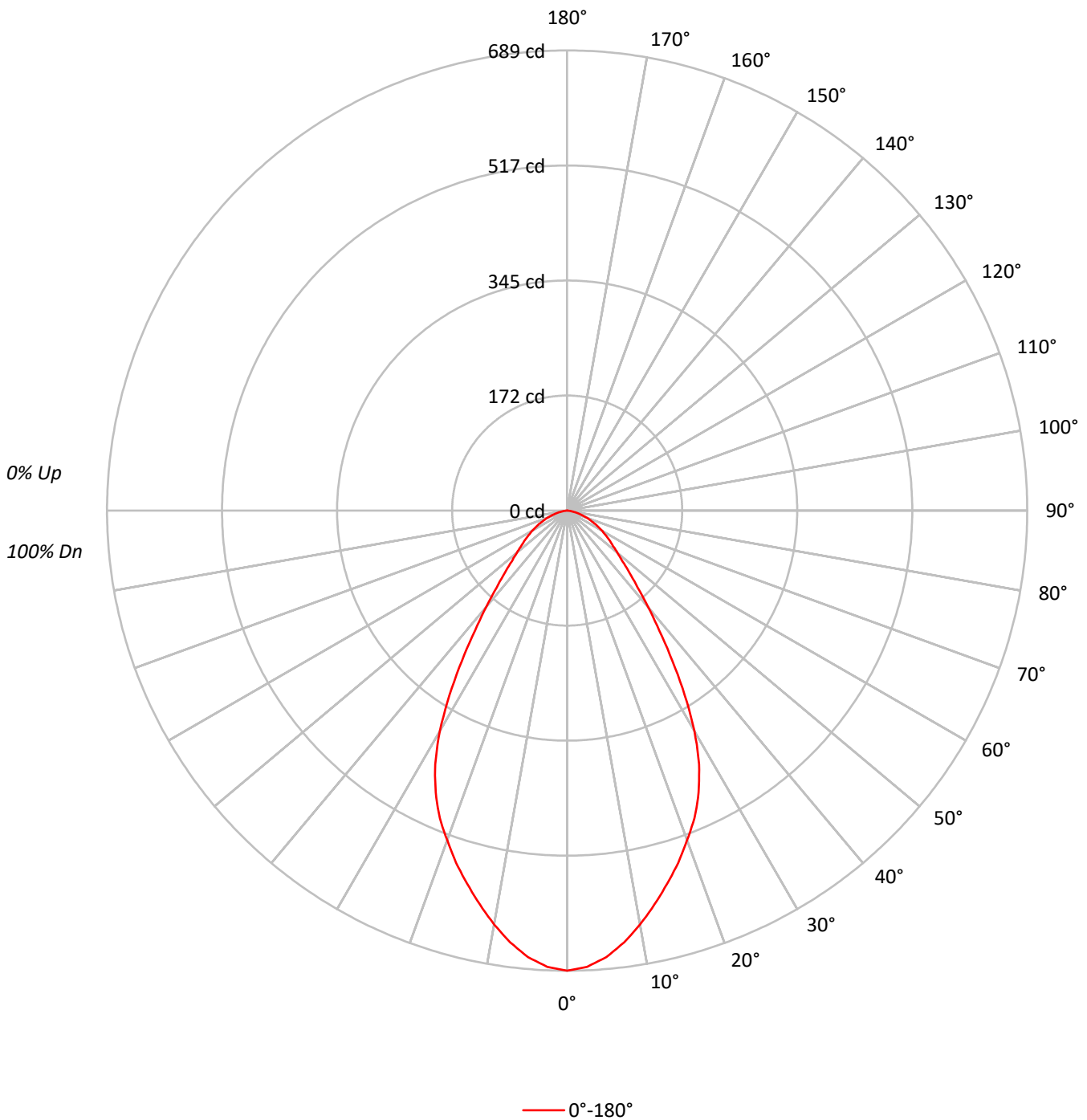
Input Watts (W): 10  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	18817
5°	18401
10°	17452
15°	16356
20°	15264
25°	14039
30°	12027
35°	9157
40°	6725
45°	5095
50°	4173
55°	3672
60°	3278
65°	2876
70°	2460
75°	1921
80°	1290
85°	595



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	62.7	7.4
10°-20°	162.4	19.1
20°-30°	211.6	24.9
30°-40°	172.5	20.3
40°-50°	104.4	12.3
50°-60°	69.4	8.2
60°-70°	44.4	5.2
70°-80°	19.7	2.3
80°-90°	2.9	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°	436.7	51.4
0°-40°	609.2	71.7
0°-60°	783.0	92.1
0°-90°	850.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	850.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	689	
5°	671	63
15°	578	162
25°	466	212
35°	275	173
45°	132	104
55°	77	69
65°	44	44
75°	18	20
85°	2	3
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	688.9
2.5°	683.7
5°	671.1
7.5°	652.2
10°	629.2
12.5°	604.0
15°	578.4
17.5°	552.9
20°	525.1
22.5°	498.4
25°	465.8
27.5°	428.0
30°	381.3
32.5°	327.9
35°	274.6
37.5°	226.4
40°	188.6
42.5°	156.4
45°	131.9
47.5°	112.6
50°	98.2
52.5°	86.3
55°	77.1
57.5°	68.2
60°	60.0
62.5°	52.2
65°	44.5
67.5°	37.4
70°	30.8
72.5°	24.1
75°	18.2
77.5°	13.0
80°	8.2
82.5°	4.4
85°	1.9
87.5°	0.4
90°	0.0

(END OF REPORT)