

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: P365216

Luminaire Tested: **FLD6BX10D010-FEU6B12-8040-F6LBXVM1-MW-BL87**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365216  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-39)  
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-BL87  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.375", 1000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 805.0 lumens  
Efficiency: N/A  
Efficacy: 80.5 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

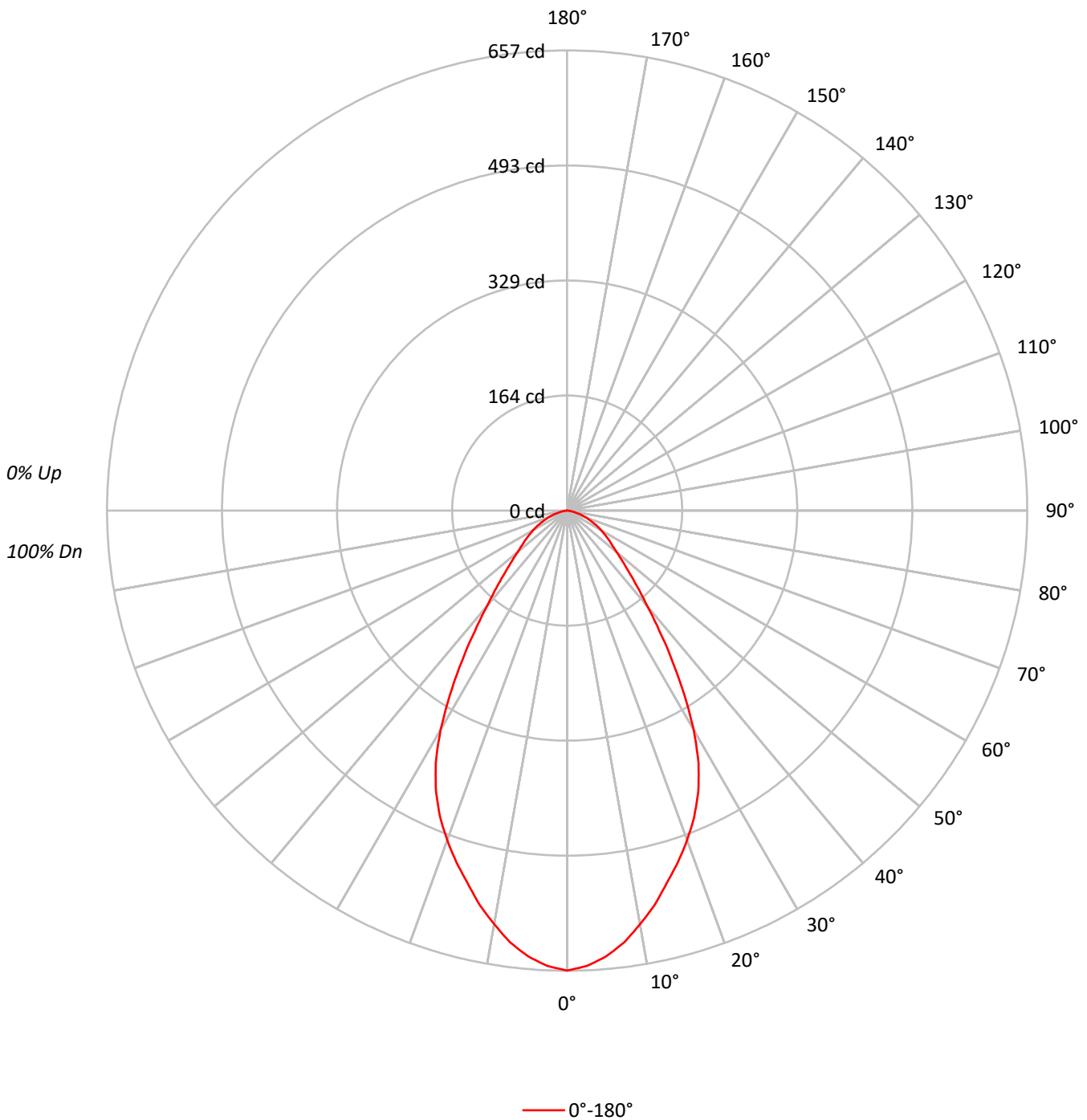
Input Watts (W): 10  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	98		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		83	78	75		80	77	74	72
4	91	82	75	70	89	81	74	69	78	73	68		76	71	68		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	79	69	62	57	67	61	56		65	60	56		64	59	56	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	53	48	58	52	48		57	51	47		56	51	47	46
9	67	56	49	44	66	55	49	44	54	48	44		53	48	44		52	47	44	42
10	64	52	46	41	63	52	46	41	51	45	41		50	45	41		49	44	41	39

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

	0°
0°	17938
5°	17518
10°	16634
15°	15556
20°	14557
25°	13352
30°	11389
35°	8720
40°	6340
45°	4836
50°	3918
55°	3438
60°	3054
65°	2656
70°	2252
75°	1762
80°	1164
85°	470



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	59.8	7.4
10°-20°	154.7	19.2
20°-30°	201.1	25.0
30°-40°	163.9	20.4
40°-50°	99.0	12.3
50°-60°	65.0	8.1
60°-70°	41.0	5.1
70°-80°	18.0	2.2
80°-90°	2.6	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°	415.5	51.6
0°-40°	579.4	72.0
0°-60°	743.4	92.3
0°-90°	805.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	805.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	657	
5°	639	60
15°	550	155
25°	443	201
35°	262	164
45°	125	99
55°	72	65
65°	41	41
75°	17	18
85°	2	3
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	656.7
2.5°	650.8
5°	638.9
7.5°	621.9
10°	599.7
12.5°	576.7
15°	550.1
17.5°	526.0
20°	500.8
22.5°	473.7
25°	443.0
27.5°	406.3
30°	361.1
32.5°	310.8
35°	261.5
37.5°	216.3
40°	177.8
42.5°	148.9
45°	125.2
47.5°	106.7
50°	92.2
52.5°	81.1
55°	72.2
57.5°	63.7
60°	55.9
62.5°	48.5
65°	41.1
67.5°	34.4
70°	28.2
72.5°	22.2
75°	16.7
77.5°	11.5
80°	7.4
82.5°	4.1
85°	1.5
87.5°	0.4
90°	0.0

(END OF REPORT)