

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: P365231

Luminaire Tested: **FLD6BX10D010-FEU6B12-8050-F6LBXVM1-MW-BL84**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365231  
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-FEU6B12-8050-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: 873.0 lumens  
Efficiency: N/A  
Efficacy: 87.3 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

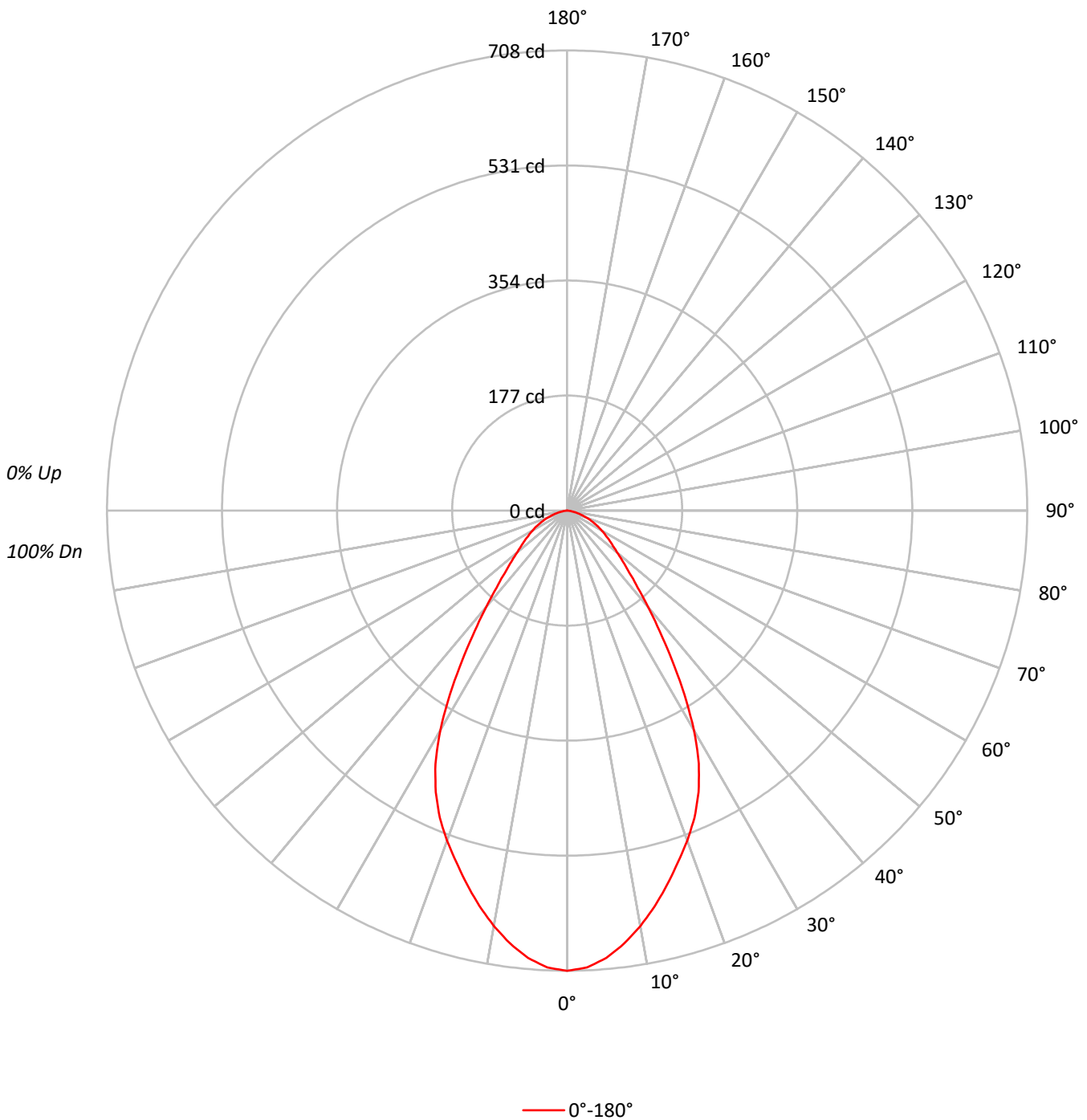
Input Watts (W): 10  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	19342
5°	18947
10°	17998
15°	16837
20°	15709
25°	14412
30°	12310
35°	9384
40°	6910
45°	5246
50°	4271
55°	3757
60°	3354
65°	2967
70°	2516
75°	1963
80°	1306
85°	595



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	64.6	7.4
10°-20°	167.1	19.1
20°-30°	217.2	24.9
30°-40°	176.9	20.3
40°-50°	107.4	12.3
50°-60°	71.1	8.1
60°-70°	45.6	5.2
70°-80°	20.1	2.3
80°-90°	3.0	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°	448.8	51.4
0°-40°	625.8	71.7
0°-60°	804.3	92.1
0°-90°	873.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	873.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	708	
5°	691	65
15°	595	167
25°	478	217
35°	281	177
45°	136	107
55°	79	71
65°	46	46
75°	19	20
85°	2	3
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	708.1
2.5°	703.5
5°	691.0
7.5°	672.0
10°	648.9
12.5°	623.1
15°	595.4
17.5°	567.0
20°	540.4
22.5°	511.6
25°	478.2
27.5°	438.8
30°	390.3
32.5°	335.6
35°	281.4
37.5°	233.2
40°	193.8
42.5°	160.8
45°	135.8
47.5°	116.1
50°	100.5
52.5°	88.7
55°	78.9
57.5°	69.8
60°	61.4
62.5°	53.5
65°	45.9
67.5°	38.7
70°	31.5
72.5°	24.7
75°	18.6
77.5°	13.3
80°	8.3
82.5°	4.6
85°	1.9
87.5°	0.4
90°	0.0

(END OF REPORT)