

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: P365176

Luminaire Tested: **FLD6BX10D010-FEU6B12-8027-F6LBXVM1-MW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365176  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX10D010-FEU6B12-8027-F6LBXVM1-MW  
Description: VANDAL RESISTANT OPEN, MATTE WHITE REFLECTOR, 1000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 884.0 lumens  
Efficiency: N/A  
Efficacy: 88.4 lumens/watt  
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.94  
Luminous Opening: Circular (Dia: 0.71' x H: 0')  
CIE Type: Direct

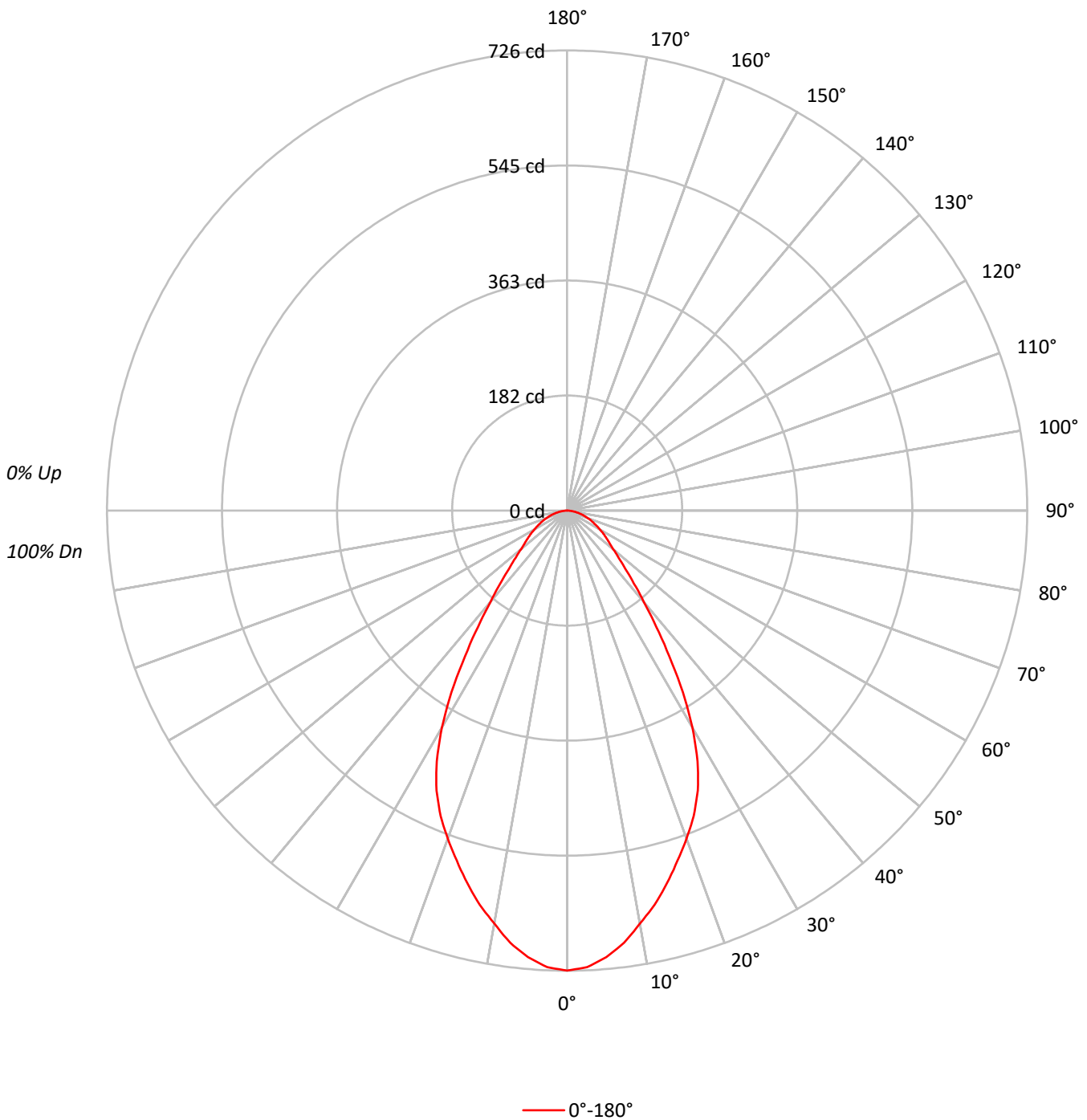
Input Watts (W): 10  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	100	102	99	97		98	96	94		94	93	91	89
2	104	98	93	88	102	96	91	87	93	89	85		89	86	83		87	84	81	80
3	97	89	83	78	95	88	82	77	85	80	76		82	78	74		80	76	73	71
4	91	81	74	69	89	80	74	69	78	72	68		76	71	67		74	70	66	64
5	85	75	68	62	83	74	67	62	72	66	61		70	65	61		68	64	60	59
6	80	69	62	57	78	68	61	56	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	63	52	45	41	51	45	41		50	45	41		49	44	41	39

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

	0°
0°	19823
5°	19397
10°	18351
15°	17213
20°	16014
25°	14699
30°	12456
35°	9357
40°	6714
45°	5022
50°	4046
55°	3591
60°	3261
65°	2993
70°	2739
75°	2501
80°	2234
85°	1849



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	66.1	7.5
10°-20°	170.7	19.3
20°-30°	221.0	25.0
30°-40°	176.9	20.0
40°-50°	103.2	11.7
50°-60°	68.0	7.7
60°-70°	46.1	5.2
70°-80°	25.2	2.9
80°-90°	6.8	0.8
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°	457.8	51.8
0°-40°	634.7	71.8
0°-60°	805.8	91.2
0°-90°	884.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	884.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	726	
5°	707	66
15°	609	171
25°	488	221
35°	281	177
45°	130	103
55°	75	68
65°	46	46
75°	24	25
85°	6	7
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	725.7
2.5°	721.1
5°	707.4
7.5°	687.8
10°	661.6
12.5°	637.1
15°	608.7
17.5°	579.1
20°	550.9
22.5°	521.5
25°	487.7
27.5°	445.9
30°	394.9
32.5°	339.8
35°	280.6
37.5°	230.9
40°	188.3
42.5°	156.0
45°	130.0
47.5°	110.2
50°	95.2
52.5°	84.0
55°	75.4
57.5°	67.6
60°	59.7
62.5°	52.9
65°	46.3
67.5°	40.4
70°	34.3
72.5°	28.9
75°	23.7
77.5°	18.9
80°	14.2
82.5°	9.8
85°	5.9
87.5°	2.2
90°	0.0

(END OF REPORT)