

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: P365806

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8027-F6LBXVM1-MW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365806  
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: FLD6BX70D010TE-FEU6B67-8027-F6LBXVM1-MW  
Description: VANDAL RESISTANT OPEN, MATTE WHITE REFLECTOR, 7000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5771.0 lumens  
Efficiency: N/A  
Efficacy: 78.6 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

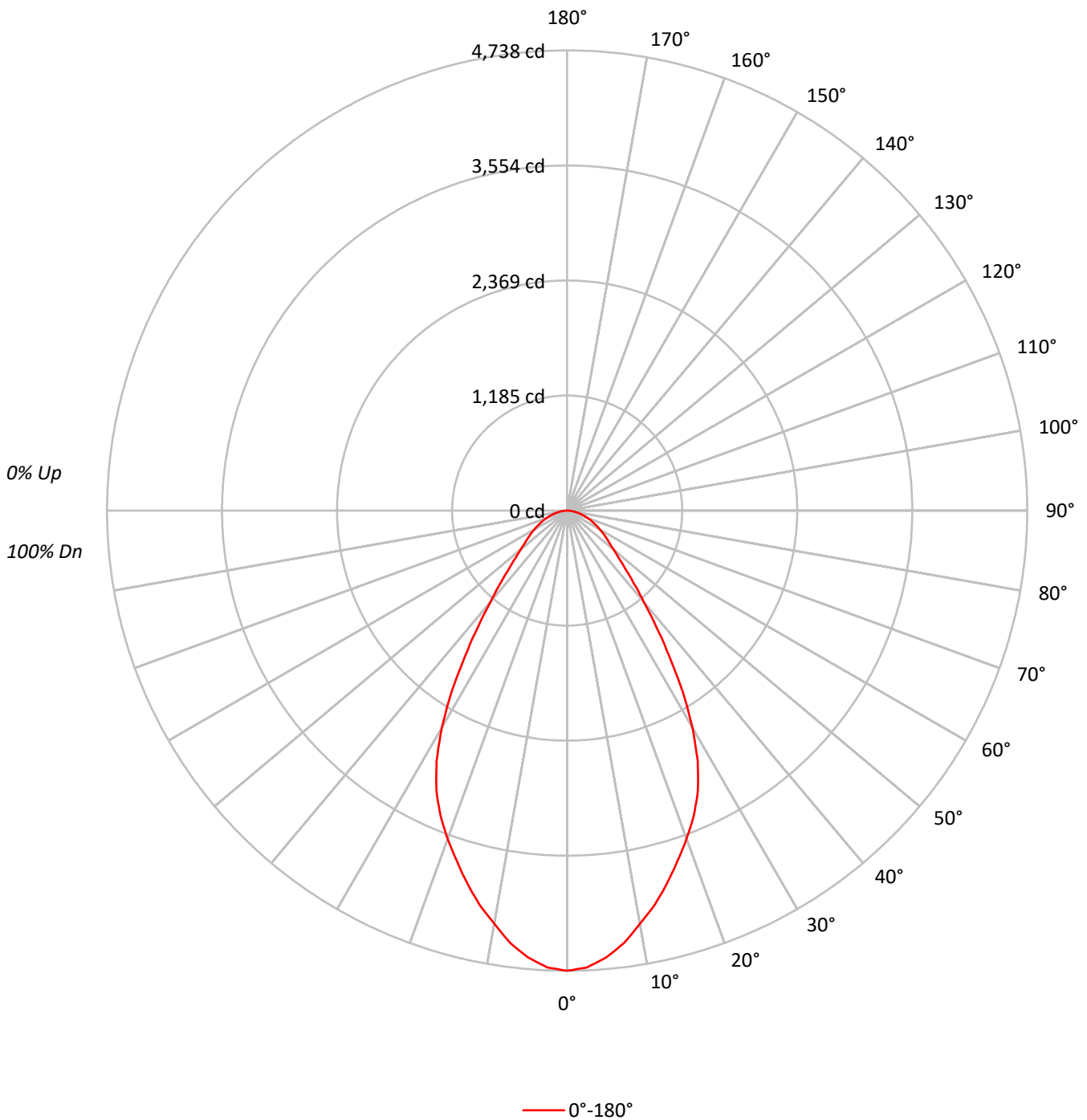
Input Watts (W): 73.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	82	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°	129412
5°	126618
10°	119792
15°	112369
20°	104541
25°	95963
30°	81319
35°	61083
40°	43830
45°	32789
50°	26423
55°	23445
60°	21306
65°	19526
70°	17874
75°	16358
80°	14582
85°	12035



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	431.4	7.5
10°-20°	1114.1	19.3
20°-30°	1442.9	25.0
30°-40°	1154.9	20.0
40°-50°	673.5	11.7
50°-60°	443.9	7.7
60°-70°	301.2	5.2
70°-80°	164.8	2.9
80°-90°	44.3	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°	2988.3	51.8
0°-40°	4143.3	71.8
0°-60°	5260.7	91.2
0°-90°	5771.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5771.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4738	
5°	4618	431
15°	3974	1114
25°	3184	1443
35°	1832	1155
45°	849	674
55°	492	444
65°	302	301
75°	155	165
85°	38	44
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4737.7
2.5°	4707.3
5°	4617.8
7.5°	4489.9
10°	4318.9
12.5°	4159.1
15°	3973.6
17.5°	3780.2
20°	3596.4
22.5°	3404.6
25°	3184.0
27.5°	2910.7
30°	2578.2
32.5°	2218.6
35°	1831.8
37.5°	1507.3
40°	1229.2
42.5°	1018.2
45°	848.8
47.5°	719.3
50°	621.8
52.5°	548.3
55°	492.3
57.5°	441.2
60°	390.0
62.5°	345.3
65°	302.1
67.5°	263.7
70°	223.8
72.5°	188.6
75°	155.0
77.5°	123.1
80°	92.7
82.5°	63.9
85°	38.4
87.5°	14.4
90°	0.0

(END OF REPORT)