

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: P366530

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8030-F6LBXVM1-WMH-BL87**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366530  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-47)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX70D010TE-FEU6B67-8030-F6LBXVM1-WMH-BL87  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, WARM HAZE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.375", 7000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5804.9 lumens  
Efficiency: N/A  
Efficacy: 79.1 lumens/watt  
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.85  
Luminous Opening: Circular (Dia: 0.71' x H: 0')  
CIE Type: Direct

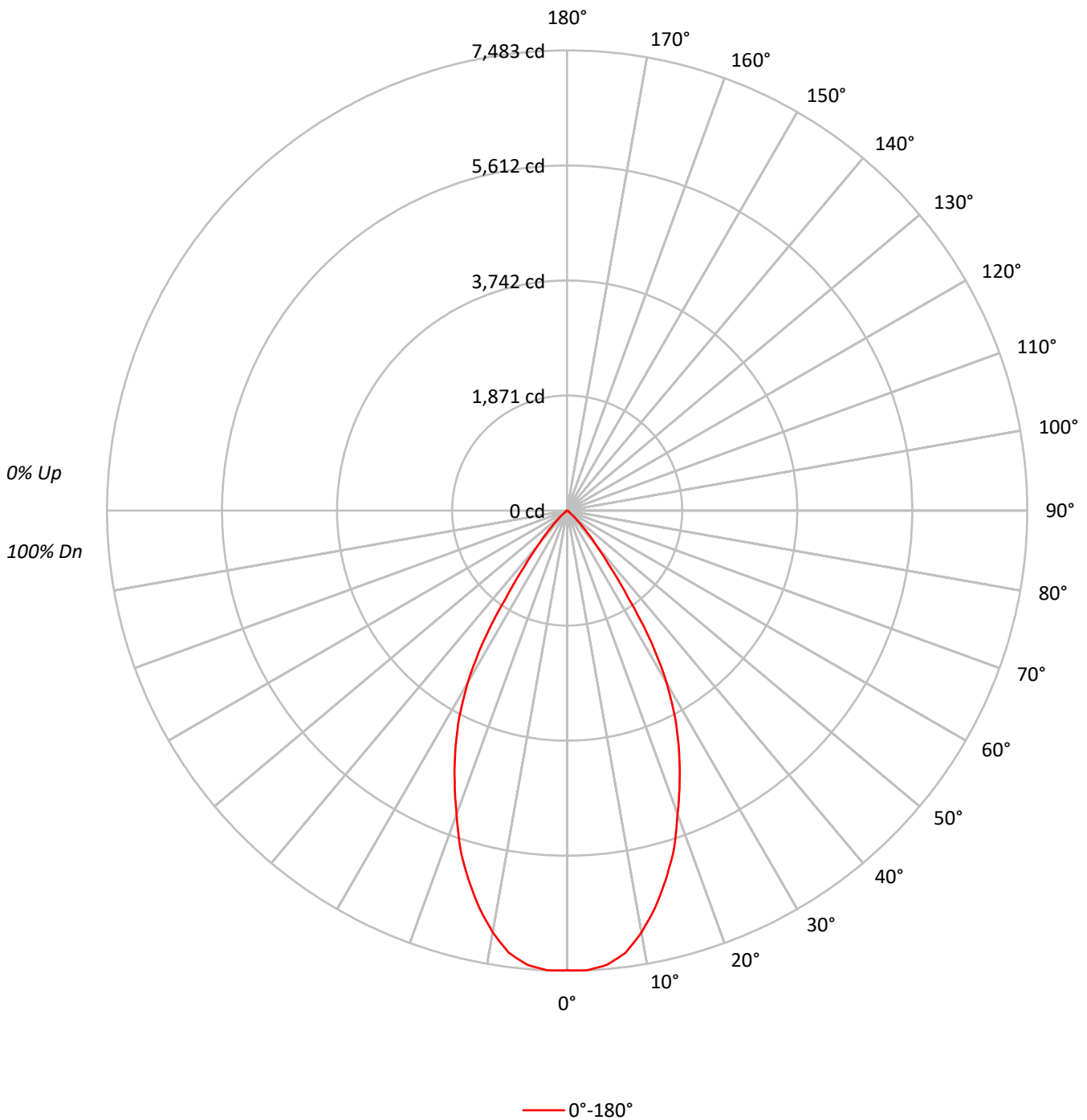
Input Watts (W): 73.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	114	111	109	106	111	109	107	105	105	103	102		101	100	99		98	97	96	94
2	108	104	100	97	106	102	98	95	99	96	93		96	93	91		93	91	89	88
3	103	97	92	88	101	96	91	88	93	89	86		91	88	85		88	86	84	82
4	98	91	86	82	96	90	85	81	88	83	80		86	82	79		84	81	78	77
5	93	85	80	76	92	85	79	75	83	78	75		81	77	74		80	76	73	72
6	89	80	75	71	88	80	74	70	78	73	70		77	73	69		76	72	69	68
7	85	76	70	66	83	75	70	66	74	69	65		73	68	65		72	68	65	63
8	81	72	66	62	80	71	66	62	70	65	62		69	65	61		68	64	61	60
9	77	68	62	58	76	67	62	58	66	62	58		66	61	58		65	61	58	56
10	74	64	59	55	73	64	59	55	63	58	55		62	58	55		62	58	55	53

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

	0°
0°	204214
5°	203358
10°	193177
15°	175473
20°	152693
25°	129818
30°	102117
35°	58265
40°	26215
45°	11036
50°	3480
55°	1052
60°	727
65°	575
70°	527
75°	697
80°	346
85°	689



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	693.7	12.0
10°-20°	1726.1	29.7
20°-30°	1955.9	33.7
30°-40°	1133.9	19.5
40°-50°	251.4	4.3
50°-60°	27.5	0.5
60°-70°	9.0	0.2
70°-80°	5.8	0.1
80°-90°	1.5	0.0
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°	4375.7	75.4
0°-40°	5509.6	94.9
0°-60°	5788.6	99.7
0°-90°	5804.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5804.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	7476	
5°	7416	694
15°	6205	1726
25°	4307	1956
35°	1747	1134
45°	286	251
55°	22	28
65°	9	9
75°	7	6
85°	2	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	7476.2
2.5°	7482.9
5°	7416.5
7.5°	7254.8
10°	6964.7
12.5°	6612.6
15°	6205.1
17.5°	5775.5
20°	5252.9
22.5°	4781.2
25°	4307.3
27.5°	3802.3
30°	3237.6
32.5°	2571.1
35°	1747.3
37.5°	1122.8
40°	735.2
42.5°	480.6
45°	285.7
47.5°	159.4
50°	81.9
52.5°	37.6
55°	22.1
57.5°	17.7
60°	13.3
62.5°	11.1
65°	8.9
67.5°	6.6
70°	6.6
72.5°	6.6
75°	6.6
77.5°	4.4
80°	2.2
82.5°	2.2
85°	2.2
87.5°	0.0
90°	0.0

(END OF REPORT)