

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: P365864

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8050-F6LBXVM1-MW-BL87**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365864  
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: FLD6BX70D010TE-FEU6B67-8050-F6LBXVM1-MW-BL87  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.375", 7000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5384.0 lumens  
Efficiency: N/A  
Efficacy: 73.4 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

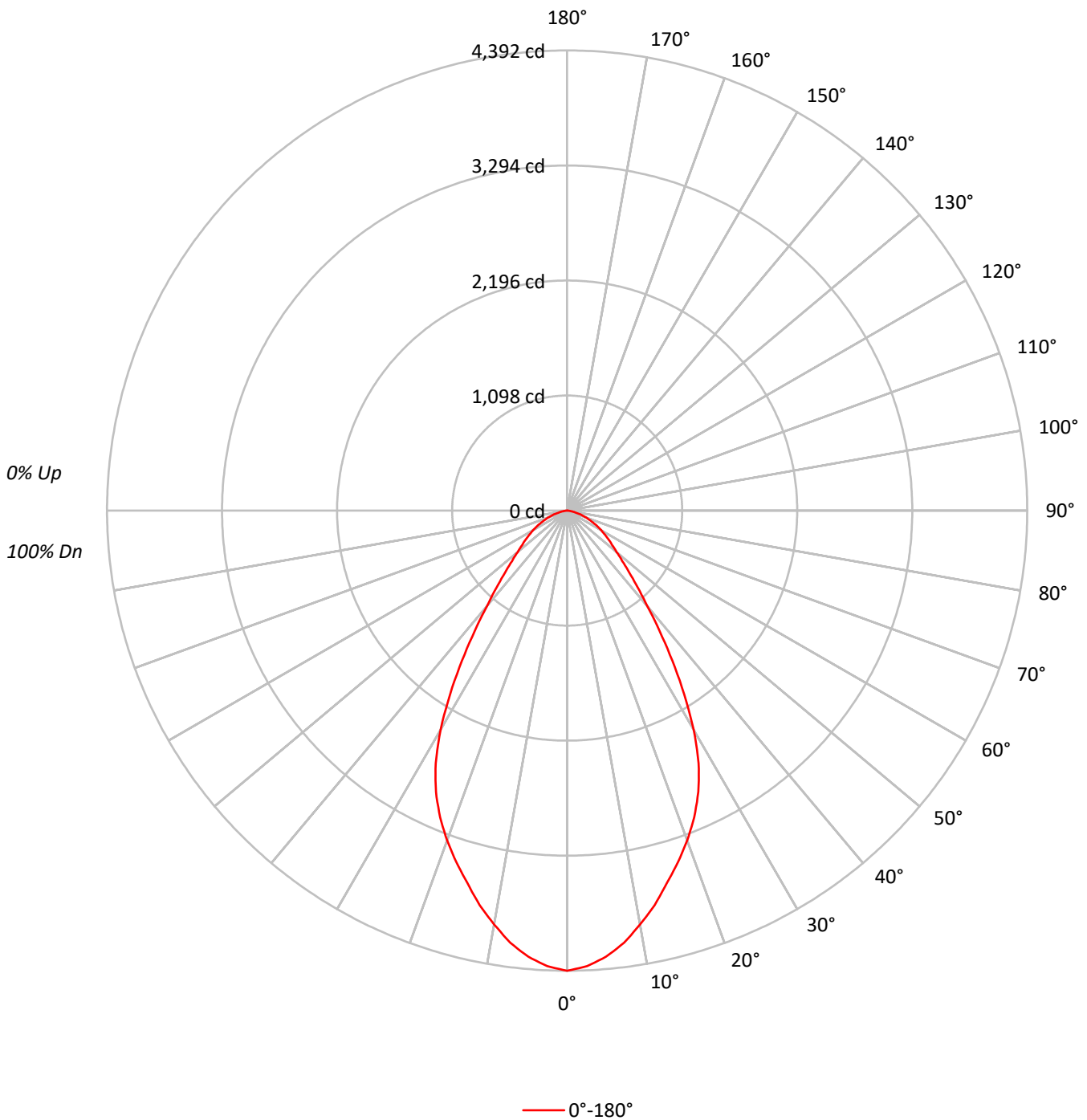
Input Watts (W): 73.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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	98	89	83	78	95	88	82	78	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°	119977
5°	117175
10°	111246
15°	104032
20°	97361
25°	89299
30°	76184
35°	58322
40°	42400
45°	32345
50°	26215
55°	23007
60°	20437
65°	17774
70°	15038
75°	11767
80°	7786
85°	3103



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	399.7	7.4
10°-20°	1034.5	19.2
20°-30°	1345.0	25.0
30°-40°	1096.2	20.4
40°-50°	661.9	12.3
50°-60°	434.7	8.1
60°-70°	274.5	5.1
70°-80°	120.0	2.2
80°-90°	17.5	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°	2779.2	51.6
0°-40°	3875.4	72.0
0°-60°	4971.9	92.3
0°-90°	5384.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5384.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4392	
5°	4273	400
15°	3679	1034
25°	2963	1345
35°	1749	1096
45°	837	662
55°	483	435
65°	275	275
75°	112	120
85°	10	18
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4392.3
2.5°	4352.7
5°	4273.4
7.5°	4159.4
10°	4010.8
12.5°	3857.2
15°	3678.8
17.5°	3517.8
20°	3349.4
22.5°	3168.5
25°	2962.9
27.5°	2717.6
30°	2415.4
32.5°	2078.5
35°	1749.0
37.5°	1446.8
40°	1189.1
42.5°	995.9
45°	837.3
47.5°	713.5
50°	616.9
52.5°	542.5
55°	483.1
57.5°	426.1
60°	374.1
62.5°	324.5
65°	275.0
67.5°	230.4
70°	188.3
72.5°	148.6
75°	111.5
77.5°	76.8
80°	49.5
82.5°	27.3
85°	9.9
87.5°	2.5
90°	0.0

(END OF REPORT)