

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: P365142

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8050-F6LBXVM1-LI-BL85**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365142  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-43)  
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-LI-BL85  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, SPECULAR CLEAR REFLECTOR,  
BOTTOM LENS POLYCARBONATE, CLEAR 0.187", 7000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6550.0 lumens  
Efficiency: N/A  
Efficacy: 89.2 lumens/watt  
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.82  
Luminous Opening: Circular (Dia: 0.71' x H: 0')  
CIE Type: Direct

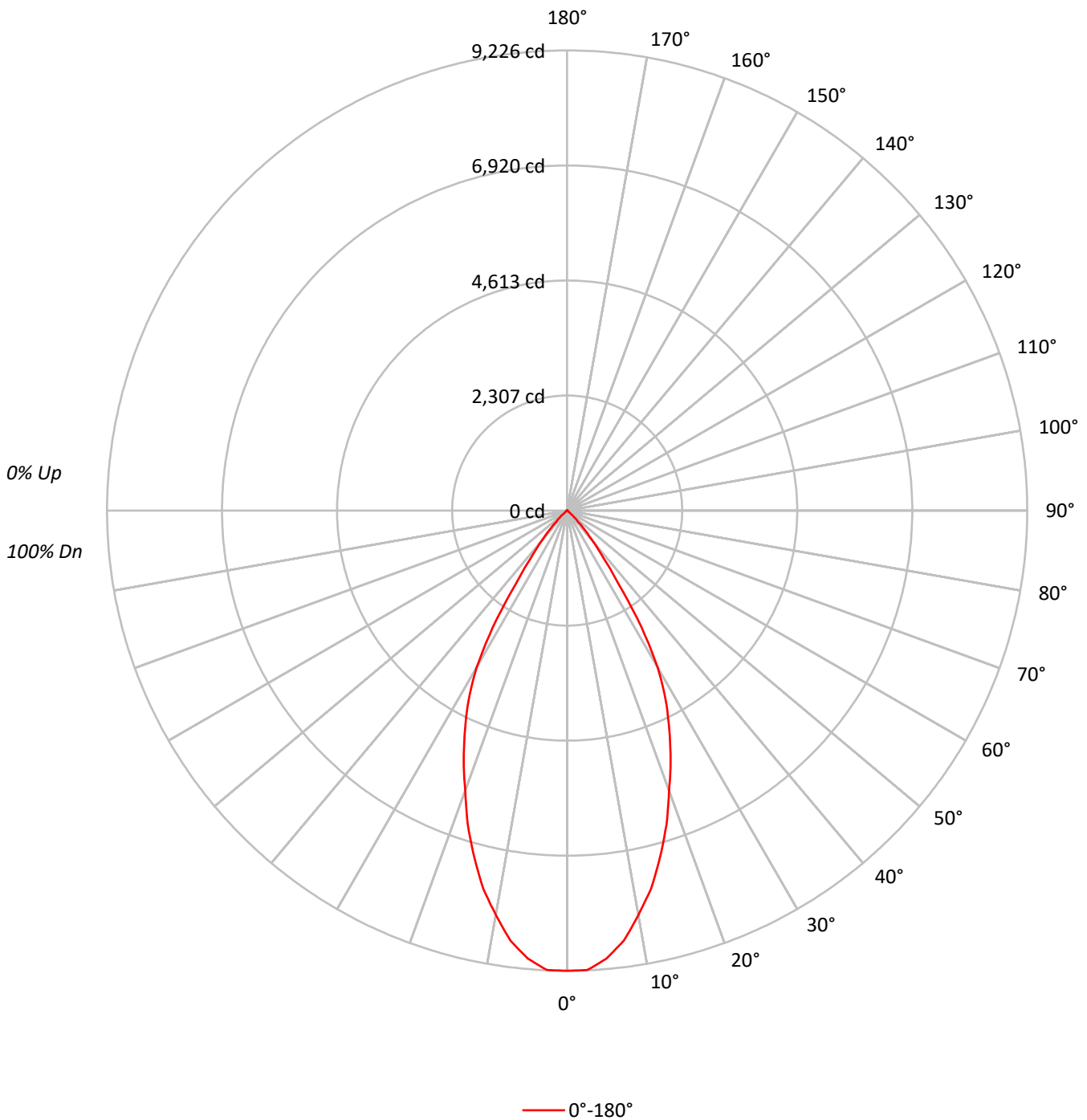
Input Watts (W): 73.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	107	111	109	107	105	105	103	102		101	100	99		98	97	96	94
2	109	104	100	97	106	102	99	96	99	96	94		96	94	92		93	91	90	88
3	103	97	93	89	101	96	92	88	93	90	87		91	88	85		89	86	84	83
4	99	91	86	82	97	90	85	82	88	84	81		86	83	80		84	81	79	77
5	94	86	80	76	92	85	80	76	83	79	75		82	78	75		80	77	74	73
6	90	81	75	71	88	80	75	71	79	74	71		77	73	70		76	73	70	68
7	85	77	71	67	84	76	71	67	75	70	66		74	69	66		72	69	66	64
8	82	72	67	63	80	72	67	63	71	66	63		70	65	62		69	65	62	61
9	78	69	63	59	77	68	63	59	67	62	59		66	62	59		66	62	59	57
10	74	65	60	56	74	65	60	56	64	59	56		63	59	56		63	58	56	54

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

	0°
0°	252005
5°	247215
10°	228298
15°	203438
20°	173738
25°	145912
30°	114544
35°	59355
40°	28344
45°	11156
50°	2936
55°	824
60°	541
65°	478
70°	391
75°	517
80°	393
85°	784



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	836.0	12.8
10°-20°	1999.4	30.5
20°-30°	2207.5	33.7
30°-40°	1214.7	18.5
40°-50°	256.7	3.9
50°-60°	21.7	0.3
60°-70°	6.7	0.1
70°-80°	4.9	0.1
80°-90°	2.4	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°	5042.9	77.0
0°-40°	6257.6	95.5
0°-60°	6536.0	99.8
0°-90°	6550.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6550.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	9226	
5°	9016	836
15°	7194	1999
25°	4841	2208
35°	1780	1215
45°	289	257
55°	17	22
65°	7	7
75°	5	5
85°	2	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	9225.8
2.5°	9220.9
5°	9016.0
7.5°	8700.0
10°	8230.9
12.5°	7764.3
15°	7194.0
17.5°	6613.8
20°	5976.9
22.5°	5419.0
25°	4841.3
27.5°	4283.3
30°	3631.6
32.5°	2772.4
35°	1780.0
37.5°	1199.8
40°	794.9
42.5°	496.2
45°	288.8
47.5°	148.1
50°	69.1
52.5°	29.6
55°	17.3
57.5°	12.3
60°	9.9
62.5°	7.4
65°	7.4
67.5°	4.9
70°	4.9
72.5°	7.4
75°	4.9
77.5°	2.5
80°	2.5
82.5°	2.5
85°	2.5
87.5°	2.5
90°	0.0

(END OF REPORT)