

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: P365826

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8035-F6LBXVM1-MW-BL85**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365826  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-37)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX70D010TE-FEU6B67-8035-F6LBXVM1-MW-BL85  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.187", 7000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5491.0 lumens  
Efficiency: N/A  
Efficacy: 74.8 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

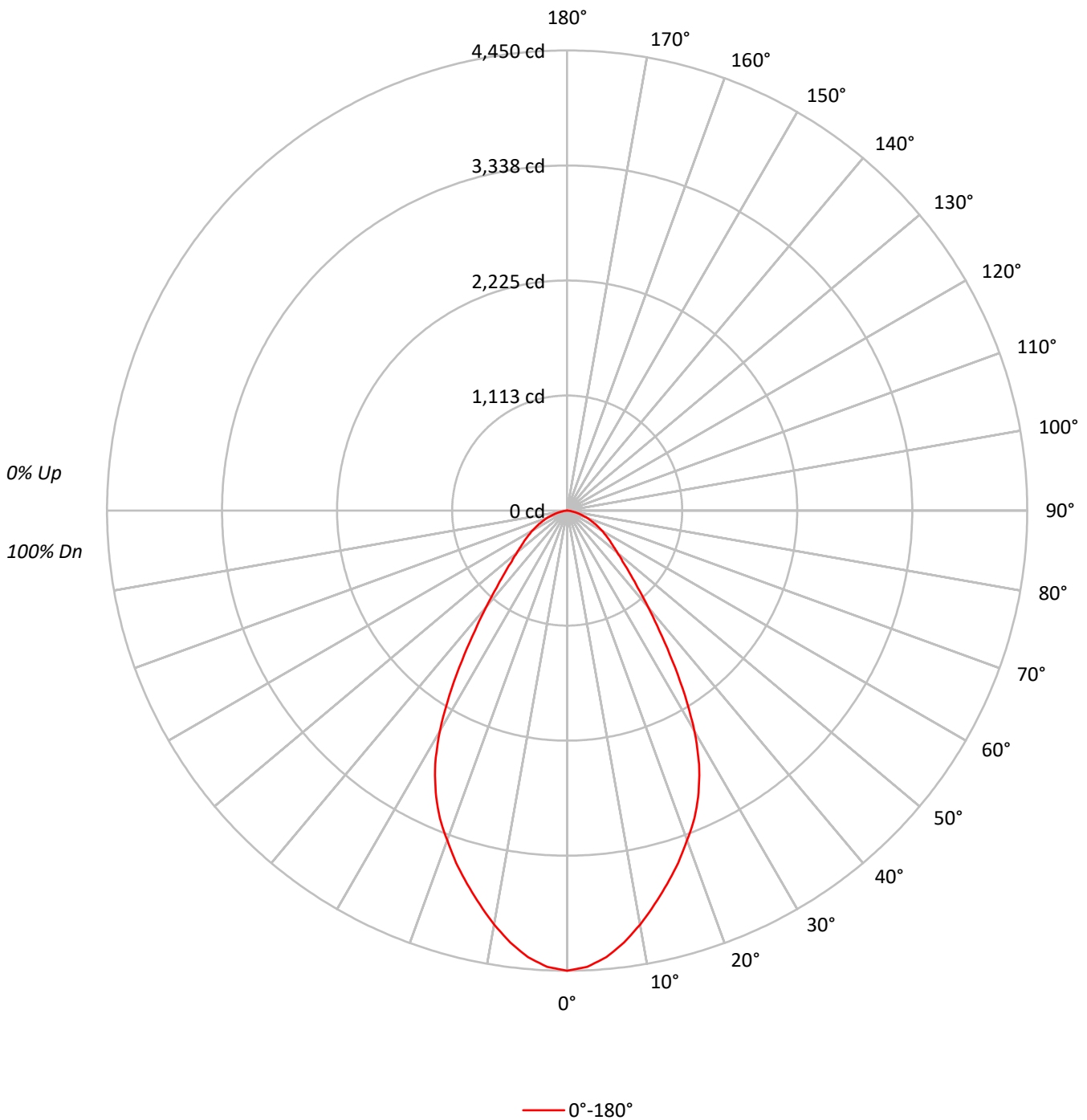
Input Watts (W): 73.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	97		98	96	94		95	93	92	90
2	104	98	93	89	102	96	92	88	93	89	86		90	87	84		87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76		82	78	75		80	77	74	72
4	91	82	75	69	89	80	74	69	78	73	68		76	71	67		74	70	67	65
5	85	75	68	63	83	74	67	62	72	66	62		70	65	61		69	64	60	59
6	80	69	62	57	78	68	62	57	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	62	52	45	41	51	45	41		50	45	41		49	44	41	39

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

	0°
0°	121556
5°	118869
10°	112741
15°	105670
20°	98600
25°	90688
30°	77692
35°	59149
40°	43445
45°	32920
50°	26959
55°	23711
60°	21186
65°	18569
70°	15869
75°	12380
80°	8290
85°	3761



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	405.1	7.4
10°-20°	1049.0	19.1
20°-30°	1367.0	24.9
30°-40°	1114.5	20.3
40°-50°	674.7	12.3
50°-60°	448.1	8.2
60°-70°	286.6	5.2
70°-80°	127.0	2.3
80°-90°	18.9	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°	2821.1	51.4
0°-40°	3935.7	71.7
0°-60°	5058.5	92.1
0°-90°	5491.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5491.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4450	
5°	4335	405
15°	3737	1049
25°	3009	1367
35°	1774	1115
45°	852	675
55°	498	448
65°	287	287
75°	117	127
85°	12	19
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4450.1
2.5°	4416.6
5°	4335.2
7.5°	4213.1
10°	4064.7
12.5°	3901.9
15°	3736.7
17.5°	3571.6
20°	3392.0
22.5°	3219.7
25°	3009.0
27.5°	2764.9
30°	2463.2
32.5°	2118.5
35°	1773.8
37.5°	1462.6
40°	1218.4
42.5°	1010.2
45°	852.2
47.5°	727.7
50°	634.4
52.5°	557.8
55°	497.9
57.5°	440.5
60°	387.8
62.5°	337.5
65°	287.3
67.5°	241.8
70°	198.7
72.5°	155.6
75°	117.3
77.5°	83.8
80°	52.7
82.5°	28.7
85°	12.0
87.5°	2.4
90°	0.0

(END OF REPORT)