

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: P365865

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8050-F6LBXVM1-MW-BL89AM**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365865  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-40)  
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-BL89AM  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, OPAL SMOOTH 0.125", 7000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2515.0 lumens  
Efficiency: N/A  
Efficacy: 34.3 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37  
Luminous Opening: Circular (Dia: 0.71' x H: 0')  
CIE Type: Direct

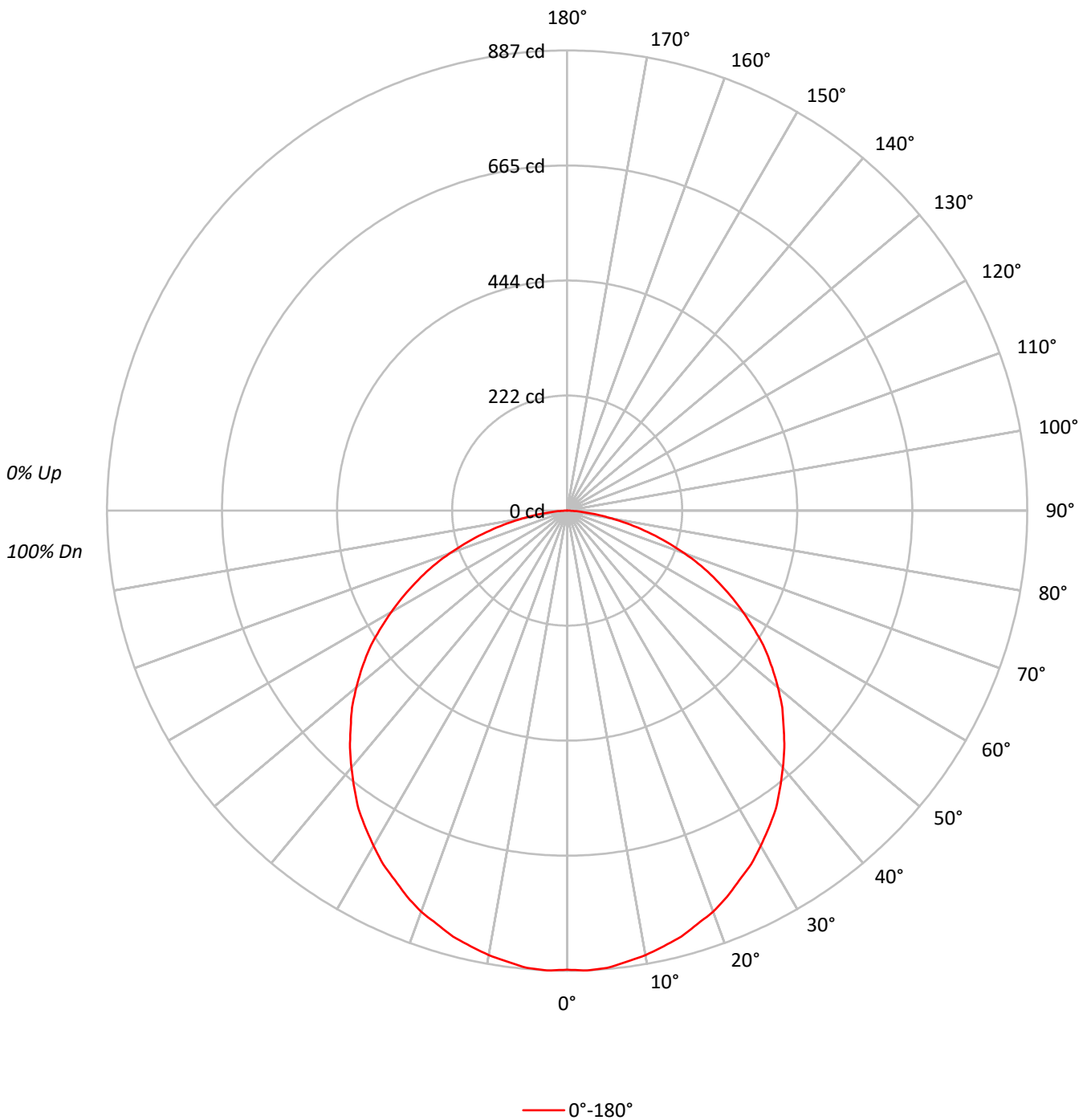
Input Watts (W): 73.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	109	104	100	96	106	102	98	95	98	94	92	94	91	89	90	88	86	84
2	99	91	84	78	96	89	83	77	85	80	75	82	78	74	79	75	72	70
3	90	80	71	65	88	78	70	64	75	69	63	72	67	62	70	65	61	59
4	82	70	62	55	80	69	61	55	67	59	54	64	58	53	62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	46	58	51	46	56	50	45	43
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	51	45	40	38
7	65	51	42	36	63	50	42	36	49	41	36	47	41	36	46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	32	30
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	29	27
10	53	40	32	26	52	39	31	26	38	31	26	37	31	26	36	30	26	24

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

	0°
0°	24171
5°	24264
10°	24131
15°	24043
20°	23920
25°	23680
30°	23533
35°	23389
40°	23067
45°	22788
50°	22539
55°	22192
60°	21393
65°	20508
70°	19199
75°	17002
80°	13654
85°	7773



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	83.9	3.3
10°-20°	239.7	9.5
20°-30°	362.8	14.4
30°-40°	437.9	17.4
40°-50°	455.9	18.1
50°-60°	414.6	16.5
60°-70°	313.7	12.5
70°-80°	171.2	6.8
80°-90°	35.4	1.4
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°	686.4	27.3
0°-40°	1124.3	44.7
0°-60°	1994.8	79.3
0°-90°	2515.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2515.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	885	
5°	885	84
15°	850	240
25°	786	363
35°	701	438
45°	590	456
55°	466	415
65°	317	314
75°	161	171
85°	25	35
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	884.9
2.5°	887.3
5°	884.9
7.5°	877.4
10°	870.0
12.5°	860.1
15°	850.2
17.5°	835.3
20°	822.9
22.5°	805.6
25°	785.7
27.5°	768.4
30°	746.1
32.5°	723.8
35°	701.4
37.5°	674.2
40°	646.9
42.5°	619.7
45°	589.9
47.5°	562.6
50°	530.4
52.5°	498.2
55°	466.0
57.5°	428.8
60°	391.6
62.5°	354.4
65°	317.3
67.5°	280.1
70°	240.4
72.5°	200.8
75°	161.1
77.5°	123.9
80°	86.8
82.5°	54.5
85°	24.8
87.5°	7.4
90°	0.0

(END OF REPORT)