

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: P365804

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8027-F6LBXVM1-MW-BTR89BV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365804  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX70D010TE-FEU6B67-8027-F6LBXVM1-MW-BTR89BV  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,  
BOTTOM TRIM ACRYLIC, CLEAR 0.125", 7000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4207.0 lumens  
Efficiency: N/A  
Efficacy: 57.3 lumens/watt  
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.84  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

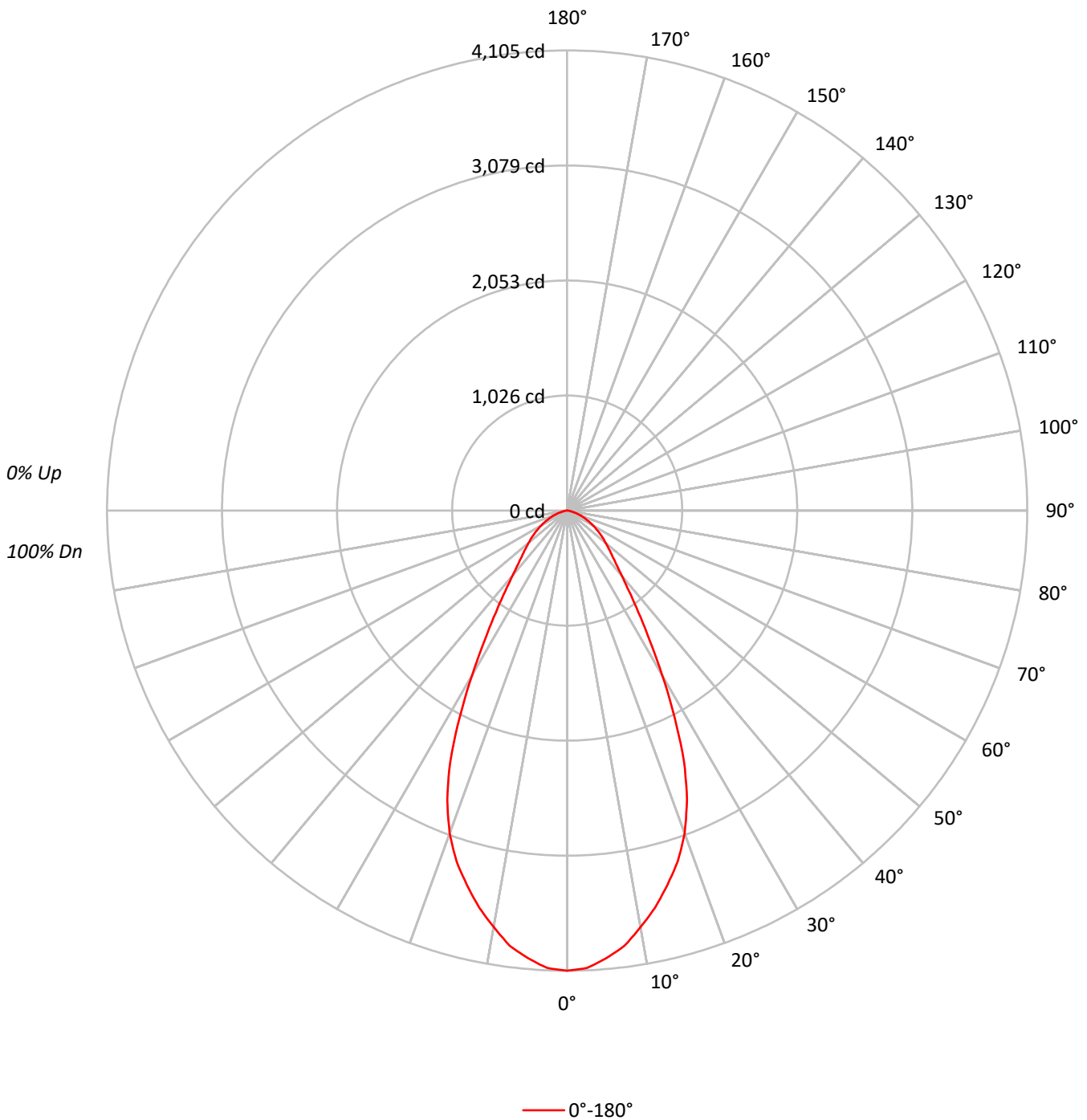
Input Watts (W): 73.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	109	106	103	110	107	104	101	102	100	98	99	97	95	95	94	92	91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	86	83	82
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	74
4	93	84	77	72	91	82	76	72	80	75	71	78	74	70	76	72	69	67
5	87	77	70	65	85	76	70	65	74	69	64	73	68	64	71	67	63	62
6	82	72	65	60	81	71	64	60	69	64	59	68	63	59	66	62	58	57
7	78	67	60	55	76	66	60	55	65	59	55	64	58	54	62	58	54	53
8	73	63	56	51	72	62	56	51	61	55	51	60	54	51	59	54	50	49
9	70	59	52	48	68	58	52	48	57	51	47	56	51	47	55	51	47	46
10	66	55	49	45	65	55	49	45	54	48	44	53	48	44	52	48	44	43

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

	0°
0°	293918
5°	288105
10°	274300
15°	256200
20°	233430
25°	194863
30°	140099
35°	96710
40°	70691
45°	57273
50°	50004
55°	44266
60°	38565
65°	32699
70°	26315
75°	18618
80°	12947
85°	14788



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	375.6	8.9
10°-20°	966.6	23.0
20°-30°	1104.8	26.3
30°-40°	710.8	16.9
40°-50°	445.5	10.6
50°-60°	318.1	7.6
60°-70°	192.9	4.6
70°-80°	75.6	1.8
80°-90°	17.1	0.4
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°	2447.0	58.2
0°-40°	3157.8	75.1
0°-60°	3921.4	93.2
0°-90°	4207.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4207.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4105	
5°	4008	376
15°	3456	967
25°	2466	1105
35°	1106	711
45°	566	445
55°	355	318
65°	193	193
75°	67	76
85°	18	17
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4104.9
2.5°	4084.7
5°	4008.4
7.5°	3916.3
10°	3772.7
12.5°	3626.8
15°	3456.2
17.5°	3281.2
20°	3063.5
22.5°	2794.2
25°	2466.5
27.5°	2071.5
30°	1694.5
32.5°	1362.3
35°	1106.4
37.5°	904.5
40°	756.3
42.5°	646.4
45°	565.6
47.5°	502.7
50°	448.9
52.5°	401.7
55°	354.6
57.5°	309.7
60°	269.3
62.5°	231.2
65°	193.0
67.5°	159.3
70°	125.7
72.5°	94.3
75°	67.3
77.5°	47.1
80°	31.4
82.5°	20.2
85°	18.0
87.5°	9.0
90°	0.0

(END OF REPORT)