

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: P365083

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8027-F6LBXVM1-LI-BTR89BI**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365083  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-22)  
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-LI-BTR89BI  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM ACRYLIC, CLEAR RFI 0.125", 7000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4922.0 lumens  
Efficiency: N/A  
Efficacy: 67.1 lumens/watt  
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.77  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

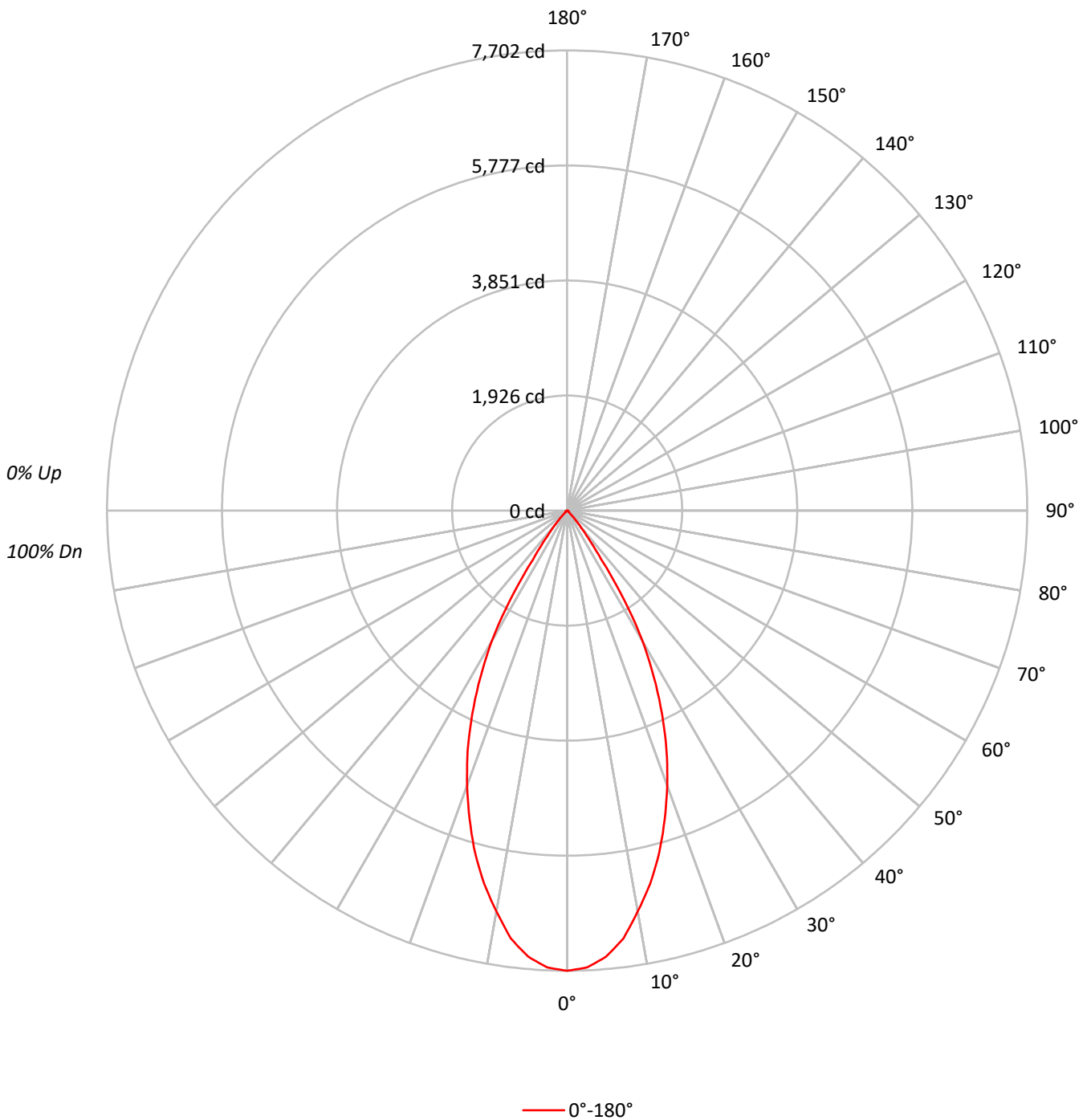
Input Watts (W): 73.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98	97	96	94
2	109	104	100	97	107	102	99	96	99	96	94		96	94	92		94	92	90	89
3	104	98	93	90	102	97	92	89	94	90	87		92	89	86		89	87	85	83
4	99	92	87	83	97	91	86	83	89	85	82		87	84	81		85	82	80	79
5	95	87	82	78	93	86	81	77	84	80	77		83	79	76		81	78	75	74
6	91	82	77	73	89	82	76	73	80	76	72		79	75	72		78	74	71	70
7	87	78	73	69	85	77	72	69	76	72	68		75	71	68		74	70	68	66
8	83	74	69	65	82	74	68	65	73	68	65		72	67	64		71	67	64	63
9	79	71	65	62	78	70	65	61	69	65	61		68	64	61		68	64	61	60
10	76	67	62	58	75	67	62	58	66	61	58		65	61	58		65	61	58	57

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

	0°
0°	551513
5°	538706
10°	495131
15°	440652
20°	373244
25°	296802
30°	208673
35°	87086
40°	30069
45°	7777
50°	3932
55°	3633
60°	3566
65°	3524
70°	3475
75°	4592
80°	5154
85°	8544



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	693.9	14.1
10°-20°	1646.7	33.5
20°-30°	1699.1	34.5
30°-40°	722.7	14.7
40°-50°	86.7	1.8
50°-60°	26.2	0.5
60°-70°	20.6	0.4
70°-80°	16.4	0.3
80°-90°	9.6	0.2
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°	4039.7	82.1
0°-40°	4762.4	96.8
0°-60°	4875.4	99.1
0°-90°	4922.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4922.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	7702	
5°	7495	694
15°	5944	1647
25°	3757	1699
35°	996	723
45°	77	87
55°	29	26
65°	21	21
75°	17	16
85°	10	10
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	7702.5
2.5°	7652.7
5°	7495.0
7.5°	7221.0
10°	6810.0
12.5°	6405.3
15°	5944.5
17.5°	5425.6
20°	4898.4
22.5°	4348.4
25°	3756.8
27.5°	3146.6
30°	2523.9
32.5°	1789.2
35°	996.3
37.5°	572.9
40°	321.7
42.5°	166.0
45°	76.8
47.5°	41.5
50°	35.3
52.5°	31.1
55°	29.1
57.5°	27.0
60°	24.9
62.5°	22.8
65°	20.8
67.5°	18.7
70°	16.6
72.5°	16.6
75°	16.6
77.5°	14.5
80°	12.5
82.5°	12.5
85°	10.4
87.5°	6.2
90°	0.0

(END OF REPORT)