

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: P366469

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8035-F6LBXVM1-WMH-BTR89BI**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366469  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-28)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX60D010TE-FEU6B67-8035-F6LBXVM1-WMH-BTR89BI  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,  
BOTTOM TRIM ACRYLIC, CLEAR RFI 0.125", 6000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4381.1 lumens  
Efficiency: N/A  
Efficacy: 75.4 lumens/watt  
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.8  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

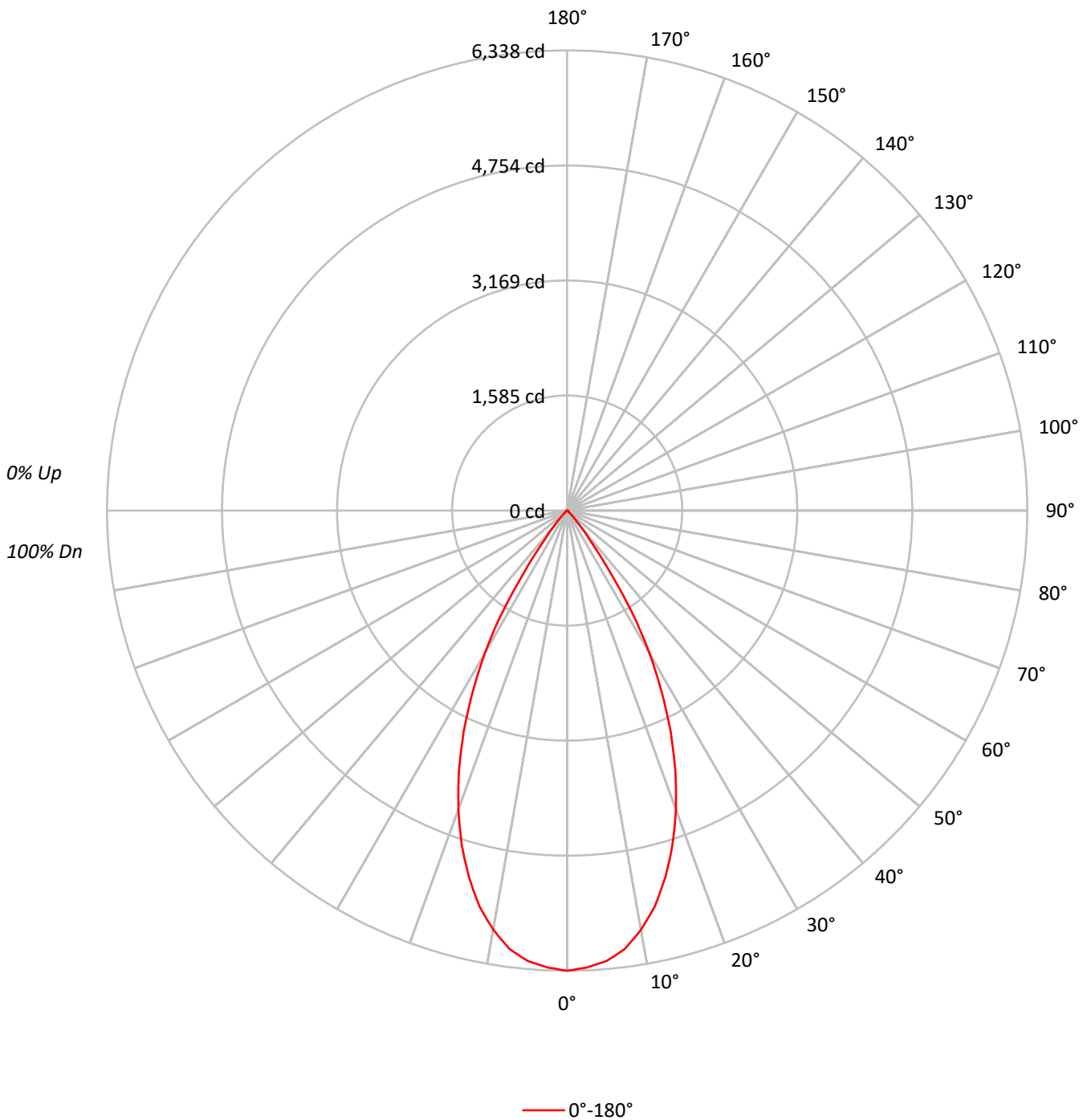
Input Watts (W): 58.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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

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

	0°
0°	453798
5°	447676
10°	426132
15°	387384
20°	333583
25°	266662
30°	186978
35°	86981
40°	27480
45°	8587
50°	3776
55°	3533
60°	3236
65°	2880
70°	3161
75°	3652
80°	4659
85°	7722



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	583.0	13.3
10°-20°	1449.0	33.1
20°-30°	1523.4	34.8
30°-40°	675.9	15.4
40°-50°	84.5	1.9
50°-60°	25.3	0.6
60°-70°	17.7	0.4
70°-80°	14.0	0.3
80°-90°	8.2	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°	3555.5	81.2
0°-40°	4231.3	96.6
0°-60°	4341.2	99.1
0°-90°	4381.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4381.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6338	
5°	6228	583
15°	5226	1449
25°	3375	1523
35°	995	676
45°	85	85
55°	28	25
65°	17	18
75°	13	14
85°	9	8
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	6337.8
2.5°	6296.4
5°	6228.5
7.5°	6089.1
10°	5861.0
12.5°	5582.1
15°	5225.9
17.5°	4824.5
20°	4377.9
22.5°	3893.5
25°	3375.3
27.5°	2825.0
30°	2261.5
32.5°	1664.1
35°	995.1
37.5°	529.6
40°	294.0
42.5°	160.2
45°	84.8
47.5°	41.5
50°	33.9
52.5°	30.2
55°	28.3
57.5°	26.4
60°	22.6
62.5°	20.7
65°	17.0
67.5°	15.1
70°	15.1
72.5°	13.2
75°	13.2
77.5°	13.2
80°	11.3
82.5°	9.4
85°	9.4
87.5°	5.7
90°	0.0

(END OF REPORT)