

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: P365699

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8027-F6LBXVM1-MW-BL84**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365699  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-36)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX60D010TE-FEU6B67-8027-F6LBXVM1-MW-BL84  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.125", 6000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4399.0 lumens  
Efficiency: N/A  
Efficacy: 75.7 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

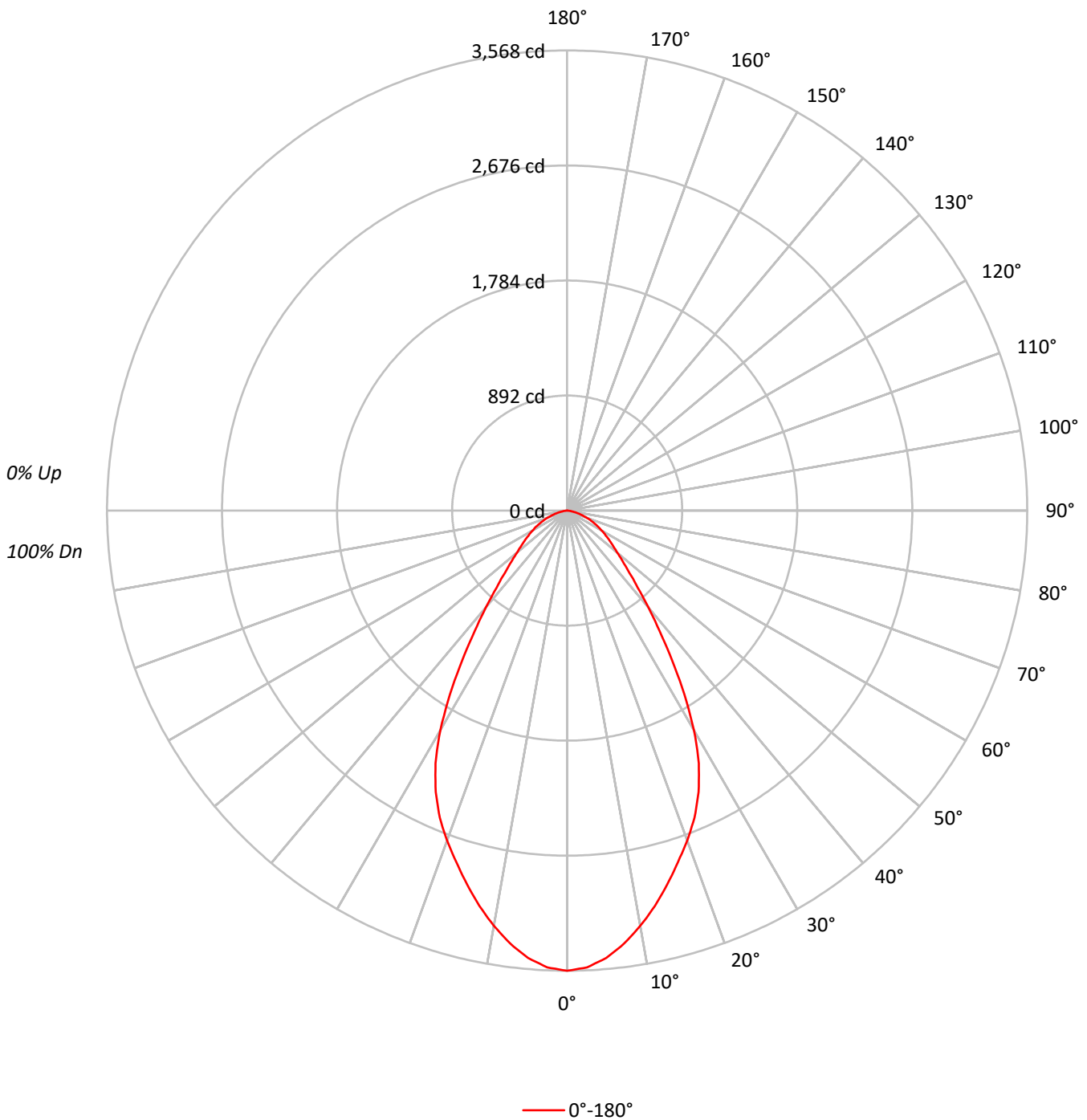
Input Watts (W): 58.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	112	108	105	102	109	106	103	101	102	100	97	98	96	95	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	70	89	80	74	69	78	73	68	76	71	67	74	70	67	65
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	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	64	57	52	62	56	52	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°	97458
5°	95472
10°	90693
15°	84845
20°	79159
25°	72629
30°	62025
35°	47284
40°	34820
45°	26430
50°	21519
55°	18930
60°	16914
65°	14943
70°	12667
75°	9878
80°	6607
85°	3009



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	325.5	7.4
10°-20°	841.9	19.1
20°-30°	1094.3	24.9
30°-40°	891.7	20.3
40°-50°	541.2	12.3
50°-60°	358.2	8.1
60°-70°	229.8	5.2
70°-80°	101.4	2.3
80°-90°	15.1	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°	2261.7	51.4
0°-40°	3153.4	71.7
0°-60°	4052.8	92.1
0°-90°	4399.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4399.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3568	
5°	3482	326
15°	3000	842
25°	2410	1094
35°	1418	892
45°	684	541
55°	398	358
65°	231	230
75°	94	101
85°	10	15
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	3567.9
2.5°	3545.0
5°	3481.9
7.5°	3386.4
10°	3269.8
12.5°	3139.8
15°	3000.3
17.5°	2857.0
20°	2723.2
22.5°	2578.0
25°	2409.8
27.5°	2211.1
30°	1966.5
32.5°	1691.3
35°	1418.0
37.5°	1175.3
40°	976.5
42.5°	810.3
45°	684.2
47.5°	584.8
50°	506.4
52.5°	447.2
55°	397.5
57.5°	351.6
60°	309.6
62.5°	269.5
65°	231.2
67.5°	194.9
70°	158.6
72.5°	124.2
75°	93.6
77.5°	66.9
80°	42.0
82.5°	22.9
85°	9.6
87.5°	1.9
90°	0.0

(END OF REPORT)