

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: P365237

Luminaire Tested: **FLD6BX10D010-FEU6B12-8050-F6LBXVM1-MW-BL89BW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365237  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-35)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX10D010-FEU6B12-8050-F6LBXVM1-MW-BL89BW  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS ACRYLIC OPAL SMOOTH, CLEAR 0.125", 1000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 684.0 lumens  
Efficiency: N/A  
Efficacy: 68.4 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.36  
Luminous Opening: Circular (Dia: 0.71' x H: 0')  
CIE Type: Direct

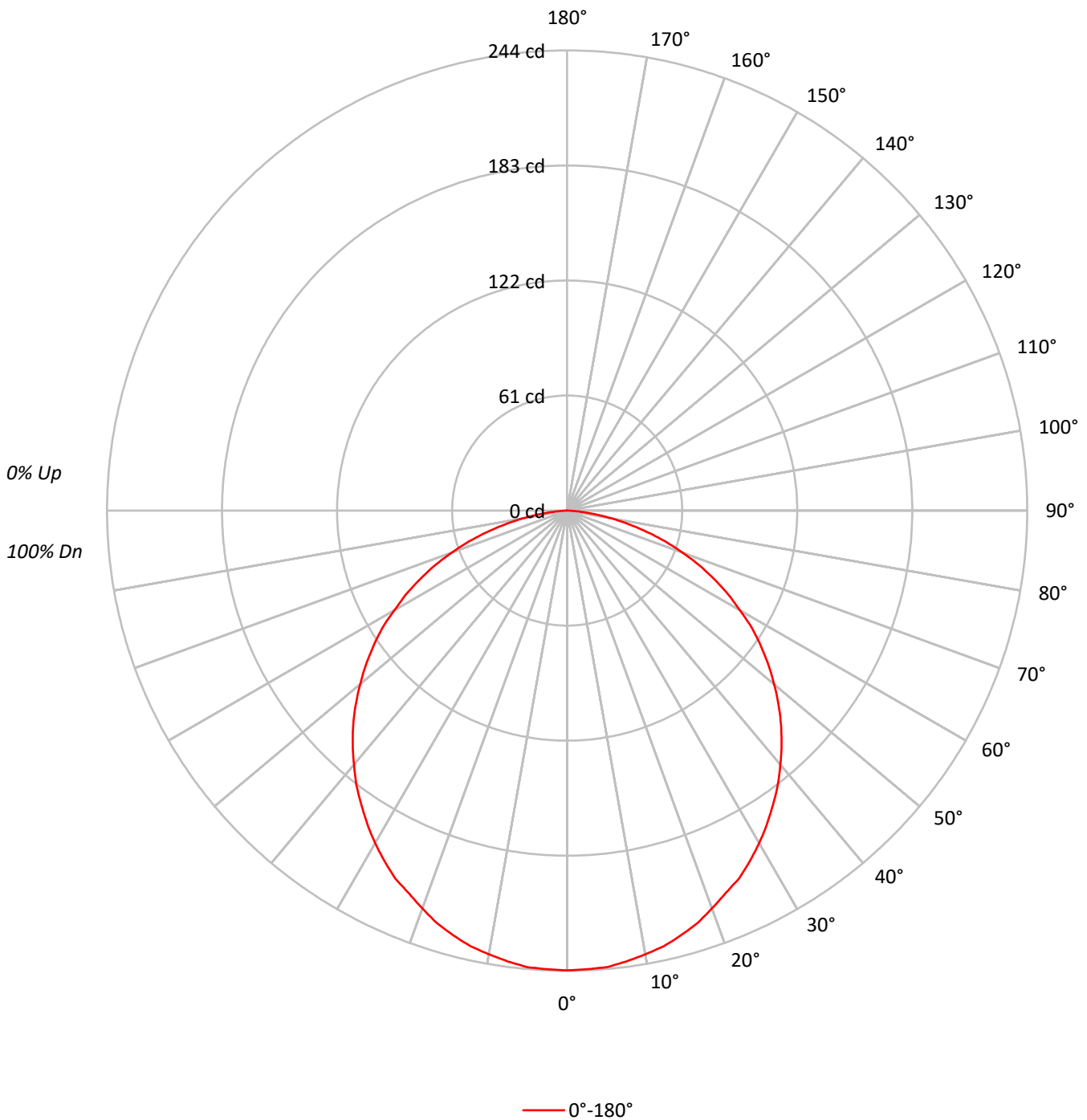
Input Watts (W): 10  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	83	71	62	55	80	69	61	55	67	60	54	64	58	53	62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	47	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	43	36	63	51	42	36	49	41	36	48	41	36	46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32	44	37	32	42	36	32	30
9	56	43	35	29	55	42	35	29	41	34	29	40	34	29	39	33	29	27
10	53	40	32	26	52	39	32	26	38	31	26	37	31	26	36	30	26	24

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

	0°
0°	6659
5°	6663
10°	6626
15°	6595
20°	6526
25°	6492
30°	6422
35°	6346
40°	6272
45°	6196
50°	6090
55°	5977
60°	5780
65°	5565
70°	5207
75°	4644
80°	3760
85°	2257



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	23.0	3.4
10°-20°	65.8	9.6
20°-30°	99.1	14.5
30°-40°	119.1	17.4
40°-50°	123.6	18.1
50°-60°	112.1	16.4
60°-70°	85.0	12.4
70°-80°	46.5	6.8
80°-90°	9.7	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°	187.9	27.5
0°-40°	307.0	44.9
0°-60°	542.7	79.3
0°-90°	684.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	684.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	244	
5°	243	23
15°	233	66
25°	215	99
35°	190	119
45°	160	124
55°	126	112
65°	86	85
75°	44	47
85°	7	10
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	243.8
2.5°	243.4
5°	243.0
7.5°	241.1
10°	238.9
12.5°	236.6
15°	233.2
17.5°	229.4
20°	224.5
22.5°	219.5
25°	215.4
27.5°	209.7
30°	203.6
32.5°	197.2
35°	190.3
37.5°	183.5
40°	175.9
42.5°	168.3
45°	160.4
47.5°	152.0
50°	143.3
52.5°	134.6
55°	125.5
57.5°	116.4
60°	105.8
62.5°	96.3
65°	86.1
67.5°	75.8
70°	65.2
72.5°	54.6
75°	44.0
77.5°	33.4
80°	23.9
82.5°	14.8
85°	7.2
87.5°	1.9
90°	0.0

(END OF REPORT)