

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: P364587

Luminaire Tested: **FLD6BX15D010-FEU6B12-8040-F6LBXVM1-LI-BL89AM**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P364587  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-44)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX15D010-FEU6B12-8040-F6LBXVM1-LI-BL89AM  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, SPECULAR CLEAR REFLECTOR,  
BOTTOM LENS POLYCARBONATE, OPAL SMOOTH 0.125", 1500LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 578.0 lumens  
Efficiency: N/A  
Efficacy: 40.7 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37  
Luminous Opening: Circular (Dia: 0.71' x H: 0')  
CIE Type: Direct

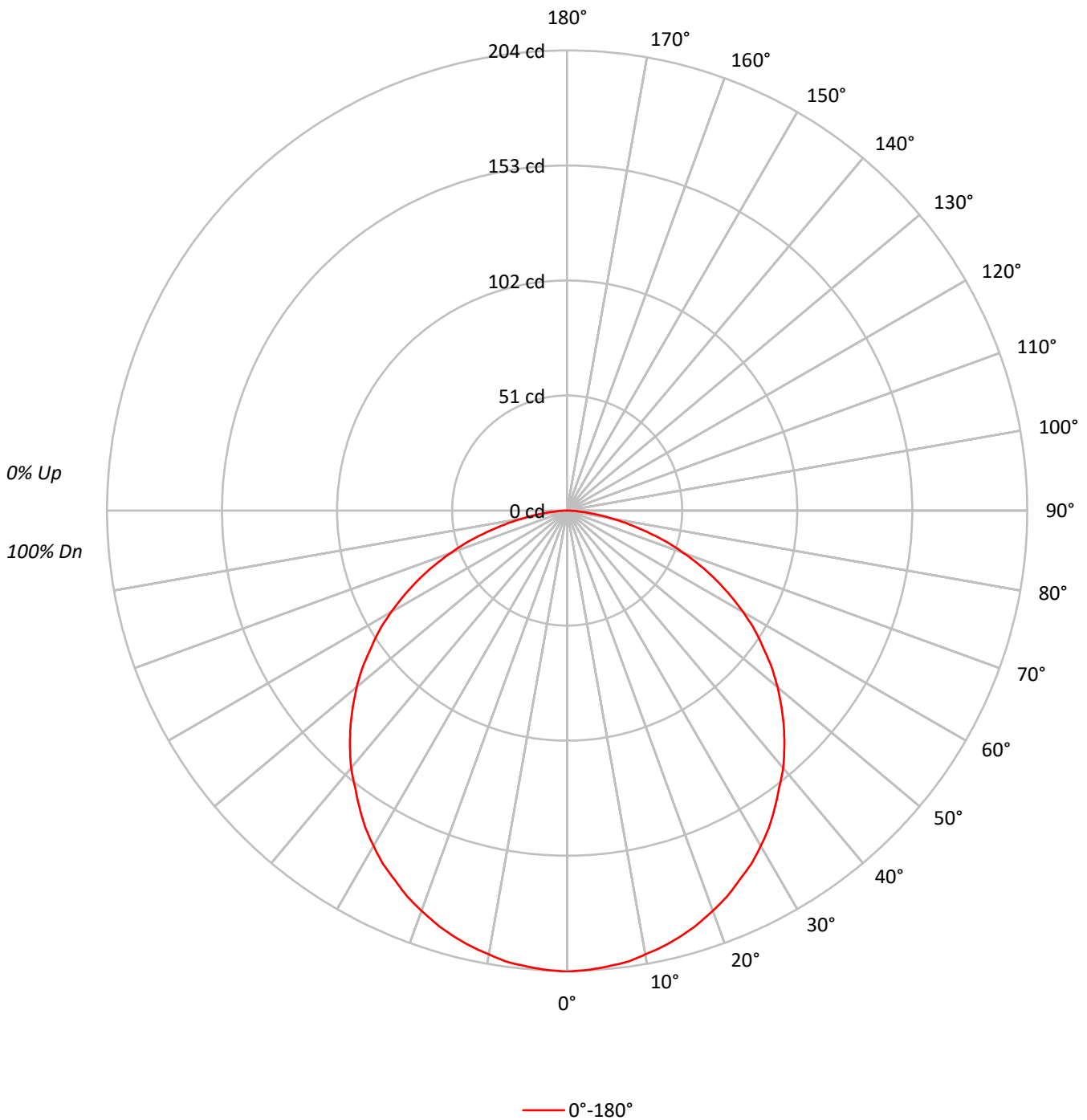
Input Watts (W): 14.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	94	98	94	91		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	68	63		72	67	62		70	65	61	59
4	82	70	62	55	80	69	61	54	67	59	54		64	58	53		62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	46		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	42	36	63	50	42	36	49	41	36		47	41	36		46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32		43	37	32		42	36	32	30
9	56	43	35	29	55	42	34	29	41	34	29		40	33	29		39	33	29	27
10	53	40	32	26	52	39	31	26	38	31	26		37	31	26		36	30	26	24

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

	0°
0°	5583
5°	5563
10°	5542
15°	5523
20°	5488
25°	5446
30°	5416
35°	5355
40°	5313
45°	5250
50°	5176
55°	5058
60°	4922
65°	4718
70°	4385
75°	3873
80°	3162
85°	2037



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	19.3	3.3
10°-20°	55.1	9.5
20°-30°	83.4	14.4
30°-40°	100.5	17.4
40°-50°	104.8	18.1
50°-60°	95.1	16.5
60°-70°	72.0	12.5
70°-80°	39.2	6.8
80°-90°	8.6	1.5
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°	157.8	27.3
0°-40°	258.3	44.7
0°-60°	458.2	79.3
0°-90°	578.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	578.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	204	
5°	203	19
15°	195	55
25°	181	83
35°	161	101
45°	136	105
55°	106	95
65°	73	72
75°	37	39
85°	6	9
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	204.4
2.5°	203.9
5°	202.9
7.5°	201.9
10°	199.8
12.5°	197.8
15°	195.3
17.5°	192.3
20°	188.8
22.5°	185.2
25°	180.7
27.5°	176.7
30°	171.7
32.5°	166.6
35°	160.6
37.5°	154.5
40°	149.0
42.5°	142.5
45°	135.9
47.5°	128.9
50°	121.8
52.5°	114.3
55°	106.2
57.5°	98.7
60°	90.1
62.5°	81.5
65°	73.0
67.5°	63.9
70°	54.9
72.5°	46.3
75°	36.7
77.5°	28.2
80°	20.1
82.5°	12.6
85°	6.5
87.5°	2.5
90°	0.0

(END OF REPORT)