

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: P364605

Luminaire Tested: **FLD6BX15D010-FEU6B12-8050-F6LBXVM1-LI-BL89AM**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P364605  
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-FEU6B12-8050-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: 593.0 lumens  
Efficiency: N/A  
Efficacy: 41.8 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

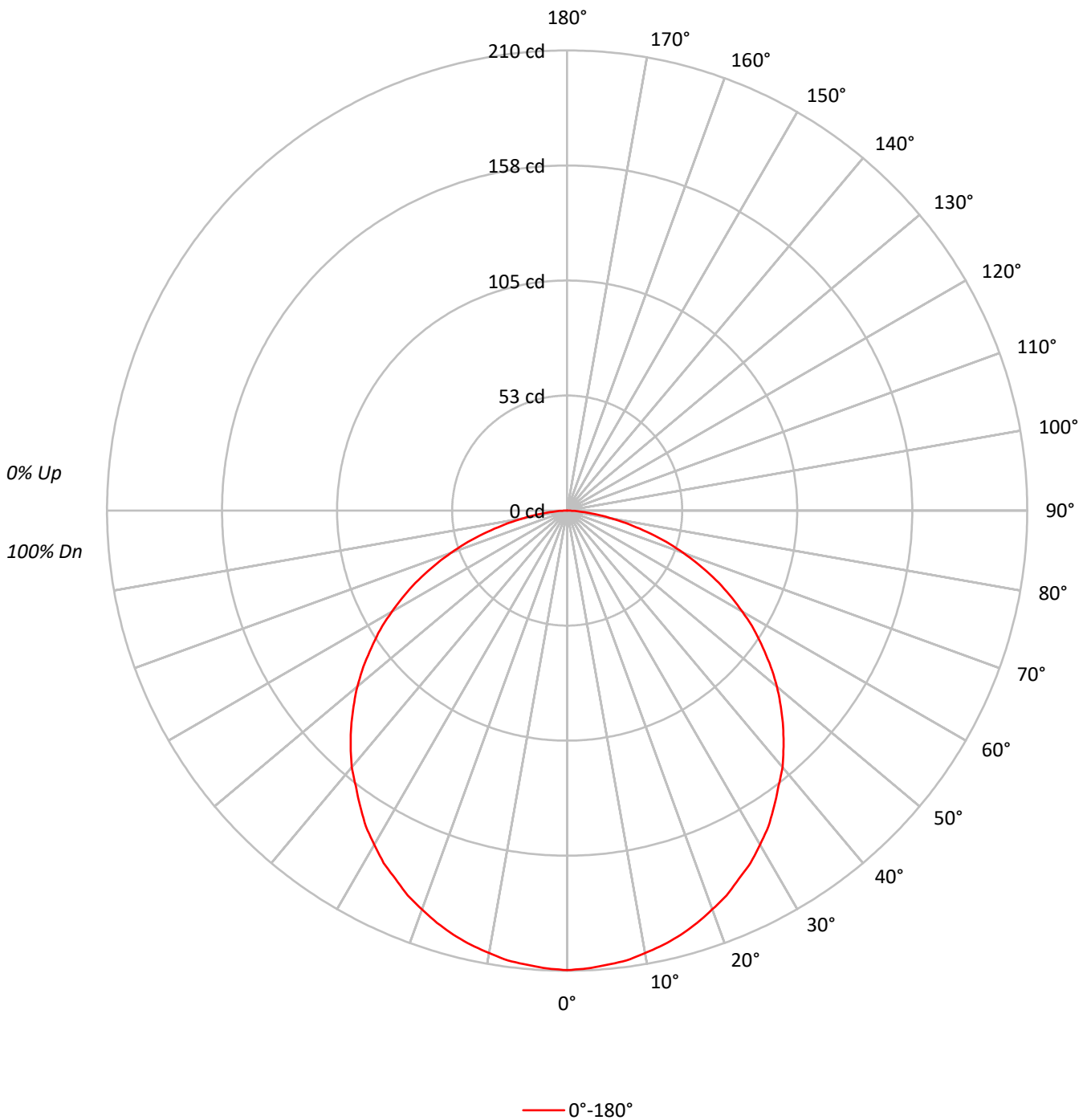
Input Watts (W): 14.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	5728
5°	5706
10°	5686
15°	5667
20°	5631
25°	5588
30°	5554
35°	5492
40°	5452
45°	5385
50°	5312
55°	5191
60°	5048
65°	4841
70°	4496
75°	3979
80°	3256
85°	2100



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	19.8	3.3
10°-20°	56.5	9.5
20°-30°	85.6	14.4
30°-40°	103.1	17.4
40°-50°	107.5	18.1
50°-60°	97.5	16.4
60°-70°	73.9	12.5
70°-80°	40.2	6.8
80°-90°	8.9	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°	161.9	27.3
0°-40°	265.0	44.7
0°-60°	470.1	79.3
0°-90°	593.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	593.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	210	
5°	208	20
15°	200	57
25°	185	86
35°	165	103
45°	139	107
55°	109	98
65°	75	74
75°	38	40
85°	7	9
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	209.7
2.5°	209.2
5°	208.1
7.5°	207.1
10°	205.0
12.5°	203.0
15°	200.4
17.5°	197.3
20°	193.7
22.5°	190.1
25°	185.4
27.5°	181.3
30°	176.1
32.5°	170.9
35°	164.7
37.5°	158.5
40°	152.9
42.5°	146.2
45°	139.4
47.5°	132.2
50°	125.0
52.5°	117.2
55°	109.0
57.5°	101.2
60°	92.4
62.5°	83.7
65°	74.9
67.5°	65.6
70°	56.3
72.5°	47.5
75°	37.7
77.5°	28.9
80°	20.7
82.5°	12.9
85°	6.7
87.5°	2.6
90°	0.0

(END OF REPORT)