

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: P364551

Luminaire Tested: **FLD6BX15D010-FEU6B12-8030-F6LBXVM1-LI-BL89AM**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P364551  
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-FEU6B12-8030-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: 561.0 lumens  
Efficiency: N/A  
Efficacy: 39.5 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

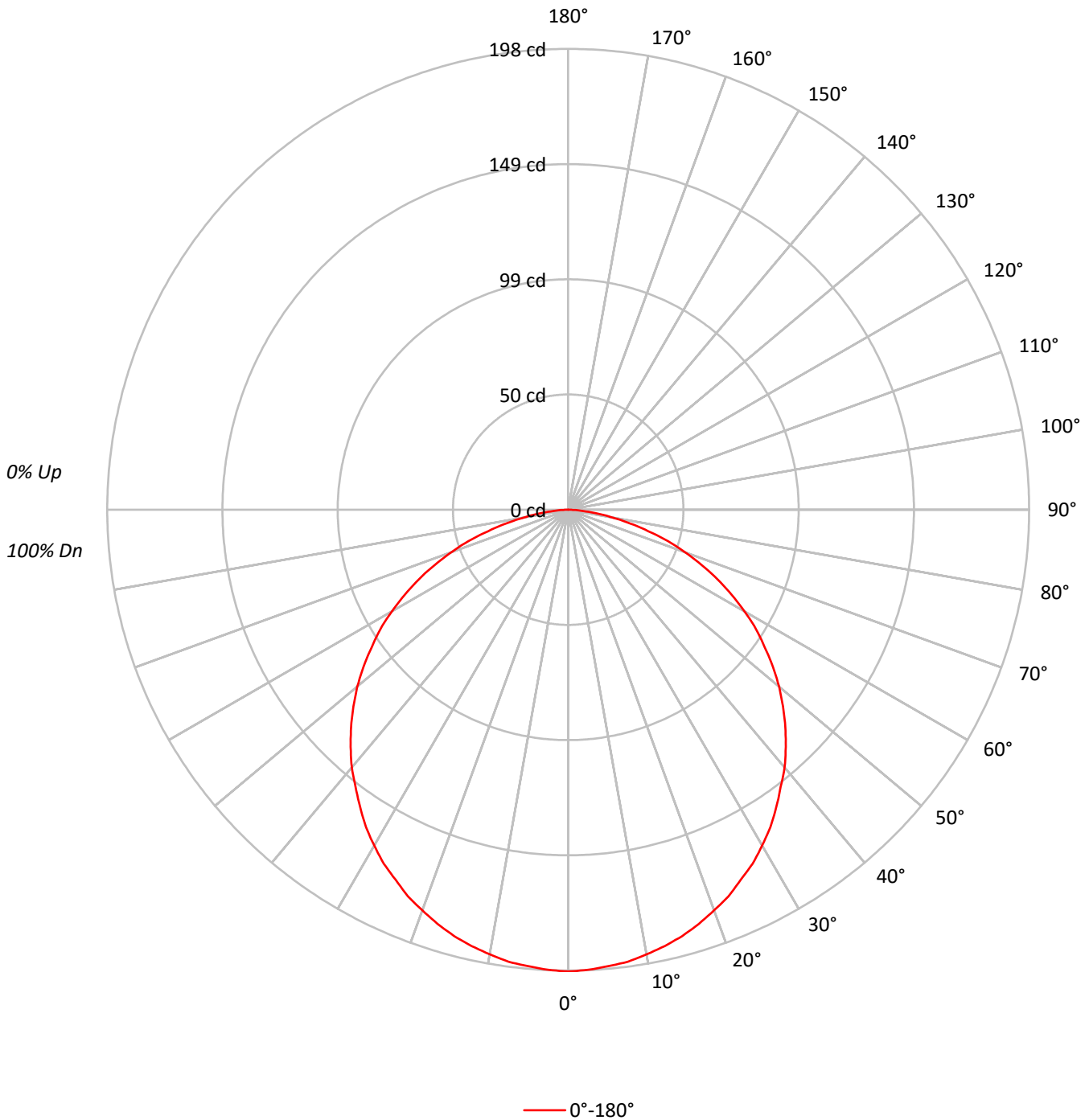
Input Watts (W): 14.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	5419
5°	5399
10°	5381
15°	5362
20°	5325
25°	5286
30°	5255
35°	5199
40°	5156
45°	5095
50°	5023
55°	4910
60°	4780
65°	4576
70°	4257
75°	3768
80°	3067
85°	2006



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	18.7	3.3
10°-20°	53.5	9.5
20°-30°	81.0	14.4
30°-40°	97.6	17.4
40°-50°	101.7	18.1
50°-60°	92.3	16.5
60°-70°	69.8	12.4
70°-80°	38.1	6.8
80°-90°	8.4	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°	153.2	27.3
0°-40°	250.8	44.7
0°-60°	444.7	79.3
0°-90°	561.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	561.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	198	
5°	197	19
15°	190	53
25°	175	81
35°	156	98
45°	132	102
55°	103	92
65°	71	70
75°	36	38
85°	6	8
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	198.4
2.5°	197.9
5°	196.9
7.5°	195.9
10°	194.0
12.5°	192.0
15°	189.6
17.5°	186.6
20°	183.2
22.5°	179.8
25°	175.4
27.5°	171.5
30°	166.6
32.5°	161.7
35°	155.9
37.5°	150.0
40°	144.6
42.5°	138.3
45°	131.9
47.5°	125.1
50°	118.2
52.5°	110.9
55°	103.1
57.5°	95.8
60°	87.5
62.5°	79.1
65°	70.8
67.5°	62.0
70°	53.3
72.5°	44.9
75°	35.7
77.5°	27.4
80°	19.5
82.5°	12.2
85°	6.4
87.5°	2.4
90°	0.0

(END OF REPORT)