

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: P364533

Luminaire Tested: **FLD6BX15D010-FEU6B12-8027-F6LBXVM1-LI-BL89AM**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P364533  
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-FEU6B12-8027-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: 537.0 lumens  
Efficiency: N/A  
Efficacy: 37.8 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

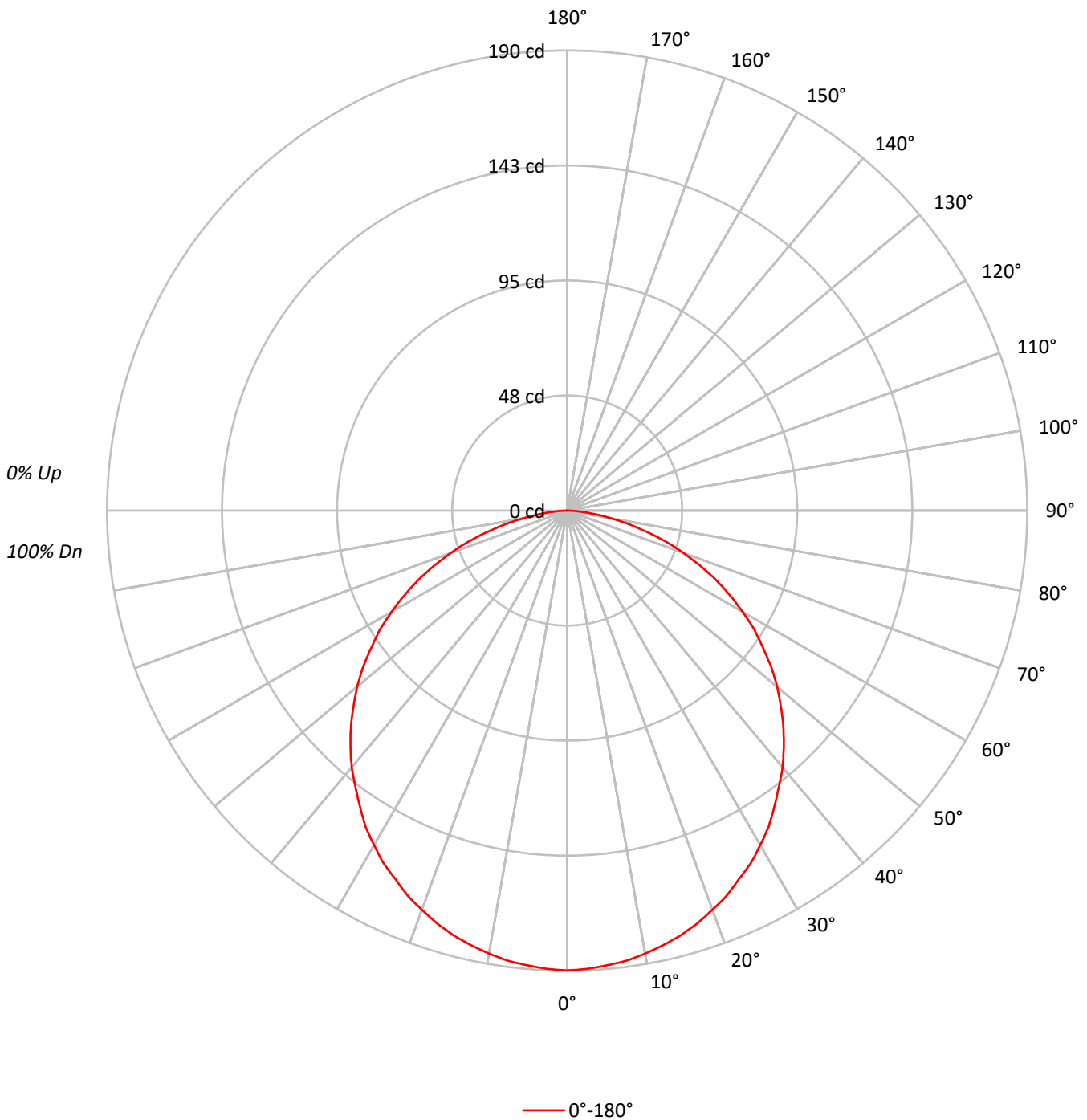
Input Watts (W): 14.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	5187
5°	5169
10°	5151
15°	5133
20°	5099
25°	5060
30°	5031
35°	4975
40°	4935
45°	4879
50°	4810
55°	4700
60°	4573
65°	4382
70°	4073
75°	3599
80°	2942
85°	1912



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	17.9	3.3
10°-20°	51.2	9.5
20°-30°	77.5	14.4
30°-40°	93.4	17.4
40°-50°	97.4	18.1
50°-60°	88.4	16.5
60°-70°	66.9	12.5
70°-80°	36.4	6.8
80°-90°	8.0	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°	146.6	27.3
0°-40°	240.0	44.7
0°-60°	425.7	79.3
0°-90°	537.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	537.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	190	
5°	188	18
15°	182	51
25°	168	78
35°	149	93
45°	126	97
55°	99	88
65°	68	67
75°	34	36
85°	6	8
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	189.9
2.5°	189.4
5°	188.5
7.5°	187.5
10°	185.7
12.5°	183.8
15°	181.5
17.5°	178.7
20°	175.4
22.5°	172.1
25°	167.9
27.5°	164.2
30°	159.5
32.5°	154.8
35°	149.2
37.5°	143.6
40°	138.4
42.5°	132.4
45°	126.3
47.5°	119.7
50°	113.2
52.5°	106.2
55°	98.7
57.5°	91.7
60°	83.7
62.5°	75.8
65°	67.8
67.5°	59.4
70°	51.0
72.5°	43.0
75°	34.1
77.5°	26.2
80°	18.7
82.5°	11.7
85°	6.1
87.5°	2.3
90°	0.0

(END OF REPORT)