

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: P365271

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365271  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-40)  
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-MW-BL89AM  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, OPAL SMOOTH 0.125", 1500LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 496.0 lumens  
Efficiency: N/A  
Efficacy: 34.9 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

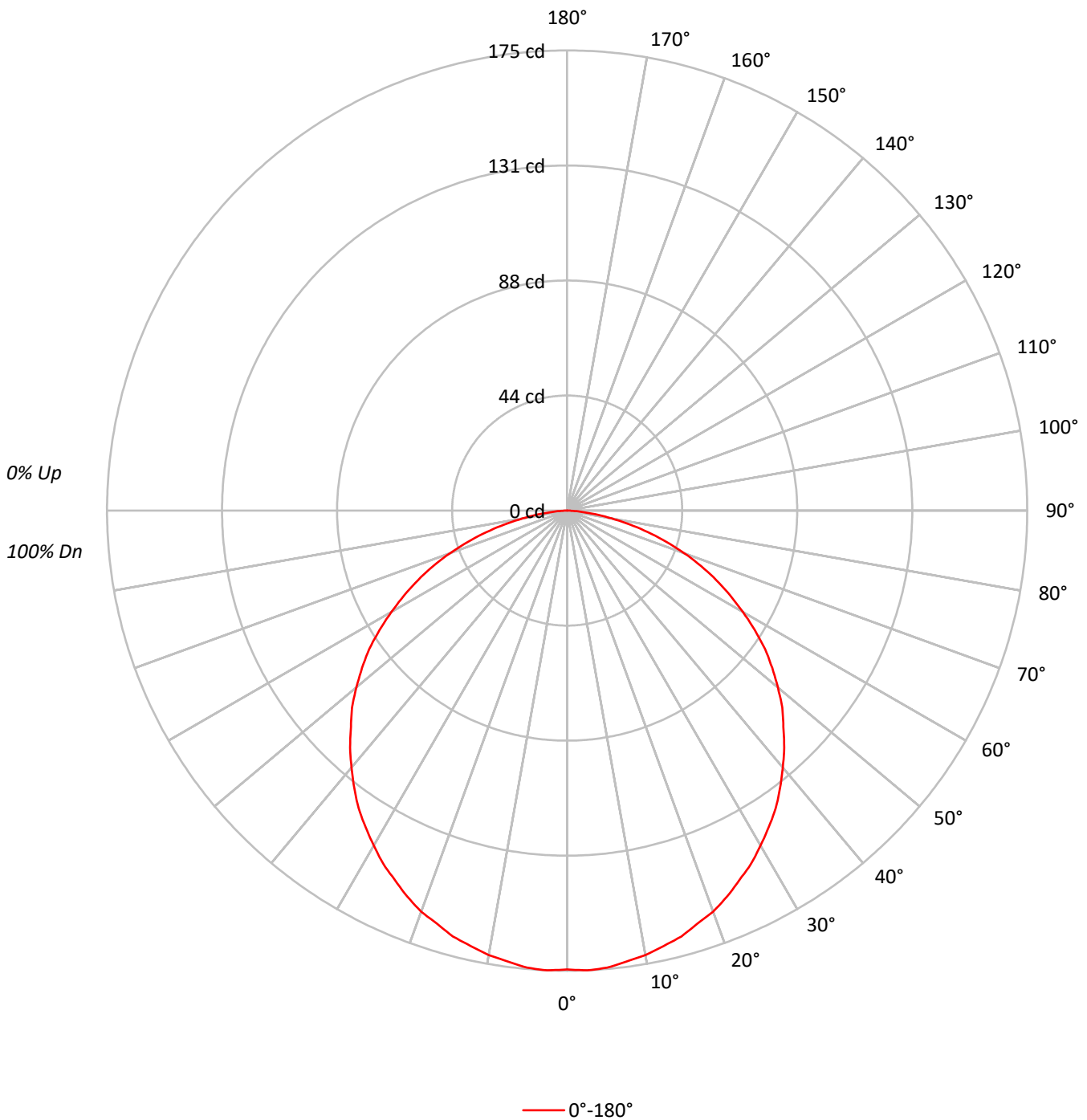
Input Watts (W): 14.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P365271

CATALOG NUMBER: FLD6BX15D010-FEU6B12-8030-F6LBXVM1-MW-BL89AM

### Luminous Intensity Polar Plot





TEST NUMBER: P365271

CATALOG NUMBER: FLD6BX15D010-FEU6B12-8030-F6LBXVM1-MW-BL89AM

**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	82	70	62	55	80	69	61	55	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°	4767
5°	4785
10°	4760
15°	4742
20°	4718
25°	4672
30°	4640
35°	4612
40°	4550
45°	4493
50°	4445
55°	4377
60°	4217
65°	4046
70°	3786
75°	3356
80°	2690
85°	1536



TEST NUMBER: P365271

CATALOG NUMBER: FLD6BX15D010-FEU6B12-8030-F6LBXVM1-MW-BL89AM

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	16.5	3.3
10°-20°	47.3	9.5
20°-30°	71.6	14.4
30°-40°	86.4	17.4
40°-50°	89.9	18.1
50°-60°	81.8	16.5
60°-70°	61.9	12.5
70°-80°	33.7	6.8
80°-90°	7.0	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°	135.4	27.3
0°-40°	221.7	44.7
0°-60°	393.4	79.3
0°-90°	496.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	496.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	174	
5°	174	17
15°	168	47
25°	155	72
35°	138	86
45°	116	90
55°	92	82
65°	63	62
75°	32	34
85°	5	7
90°	0	



TEST NUMBER: P365271

CATALOG NUMBER: FLD6BX15D010-FEU6B12-8030-F6LBXVM1-MW-BL89AM

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	174.5
2.5°	175.0
5°	174.5
7.5°	173.0
10°	171.6
12.5°	169.6
15°	167.7
17.5°	164.7
20°	162.3
22.5°	158.9
25°	155.0
27.5°	151.5
30°	147.1
32.5°	142.7
35°	138.3
37.5°	133.0
40°	127.6
42.5°	122.2
45°	116.3
47.5°	111.0
50°	104.6
52.5°	98.3
55°	91.9
57.5°	84.6
60°	77.2
62.5°	69.9
65°	62.6
67.5°	55.2
70°	47.4
72.5°	39.6
75°	31.8
77.5°	24.4
80°	17.1
82.5°	10.8
85°	4.9
87.5°	1.5
90°	0.0

(END OF REPORT)