

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: P364589

Luminaire Tested: **FLD6BX15D010-FEU6B12-8040-F6LBXVM1-LI-BL89BW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P364589  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-42)  
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-BL89BW  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, SPECULAR CLEAR REFLECTOR,  
BOTTOM LENS ACRYLIC OPAL SMOOTH, CLEAR 0.125", 1500LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1039.0 lumens  
Efficiency: N/A  
Efficacy: 73.2 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.36  
Luminous Opening: Circular (Dia: 0.71' x H: 0')  
CIE Type: Direct

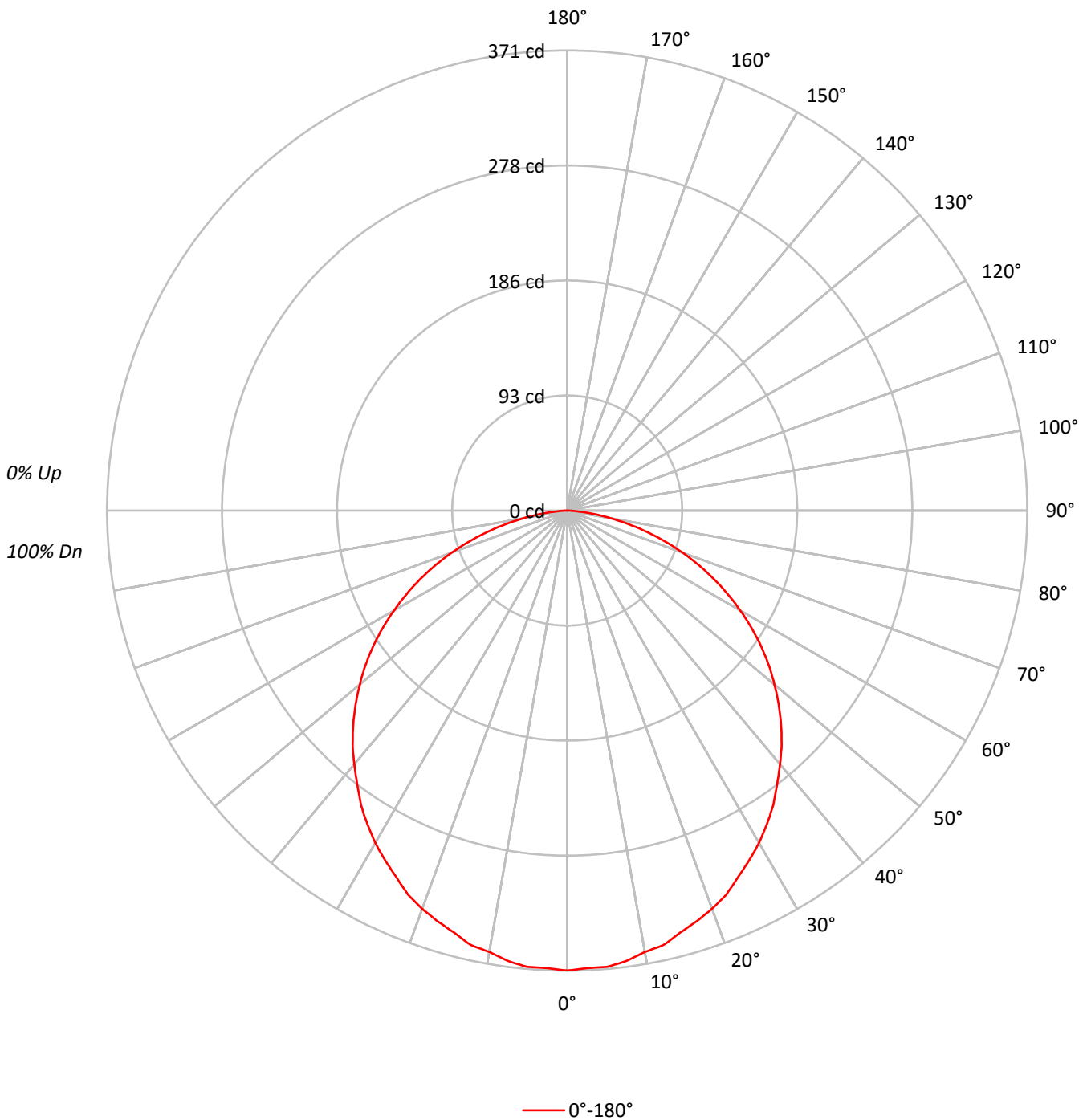
Input Watts (W): 14.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P364589

CATALOG NUMBER: FLD6BX15D010-FEU6B12-8040-F6LBXVM1-LI-BL89BW

### Luminous Intensity Polar Plot





TEST NUMBER: P364589

CATALOG NUMBER: FLD6BX15D010-FEU6B12-8040-F6LBXVM1-LI-BL89BW

**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	83	71	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	43	36	63	51	42	36	49	41	36		48	41	36		46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32		44	37	32		42	36	32	30
9	56	43	35	29	55	42	34	29	41	34	29		40	34	29		39	33	29	27
10	53	40	32	26	52	39	32	26	38	31	26		37	31	26		36	30	26	24

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

	0°
0°	10129
5°	10126
10°	10021
15°	9960
20°	9930
25°	9825
30°	9759
35°	9660
40°	9521
45°	9422
50°	9272
55°	9096
60°	8806
65°	8435
70°	7891
75°	7018
80°	5631
85°	3479



TEST NUMBER: P364589

CATALOG NUMBER: FLD6BX15D010-FEU6B12-8040-F6LBXVM1-LI-BL89BW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	35.0	3.4
10°-20°	99.6	9.6
20°-30°	150.5	14.5
30°-40°	181.0	17.4
40°-50°	188.0	18.1
50°-60°	170.5	16.4
60°-70°	129.0	12.4
70°-80°	70.5	6.8
80°-90°	15.0	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°	285.1	27.4
0°-40°	466.1	44.9
0°-60°	824.6	79.4
0°-90°	1039.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1039.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	371	
5°	369	35
15°	352	100
25°	326	151
35°	290	181
45°	244	188
55°	191	170
65°	130	129
75°	66	70
85°	11	15
90°	0	



TEST NUMBER: P364589

CATALOG NUMBER: FLD6BX15D010-FEU6B12-8040-F6LBXVM1-LI-BL89BW

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	370.8
2.5°	369.3
5°	369.3
7.5°	366.3
10°	361.3
12.5°	358.8
15°	352.2
17.5°	347.2
20°	341.6
22.5°	335.1
25°	326.0
27.5°	317.9
30°	309.4
32.5°	299.8
35°	289.7
37.5°	278.1
40°	267.0
42.5°	256.0
45°	243.9
47.5°	231.3
50°	218.2
52.5°	205.1
55°	191.0
57.5°	176.4
60°	161.2
62.5°	146.1
65°	130.5
67.5°	114.9
70°	98.8
72.5°	82.6
75°	66.5
77.5°	50.9
80°	35.8
82.5°	22.7
85°	11.1
87.5°	3.5
90°	0.0

(END OF REPORT)