

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: P366189

Luminaire Tested: **FLD6BX30D010-FEU6B35-8035-F6LBXVM1-WMH-BL89AM**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366189  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-48)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX30D010-FEU6B35-8035-F6LBXVM1-WMH-BL89AM  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, WARM HAZE REFLECTOR, BOTTOM LENS POLYCARBONATE, OPAL SMOOTH 0.125", 3000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1116.0 lumens  
Efficiency: N/A  
Efficacy: 41.3 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.38  
Luminous Opening: Circular (Dia: 0.71' x H: 0')  
CIE Type: Direct

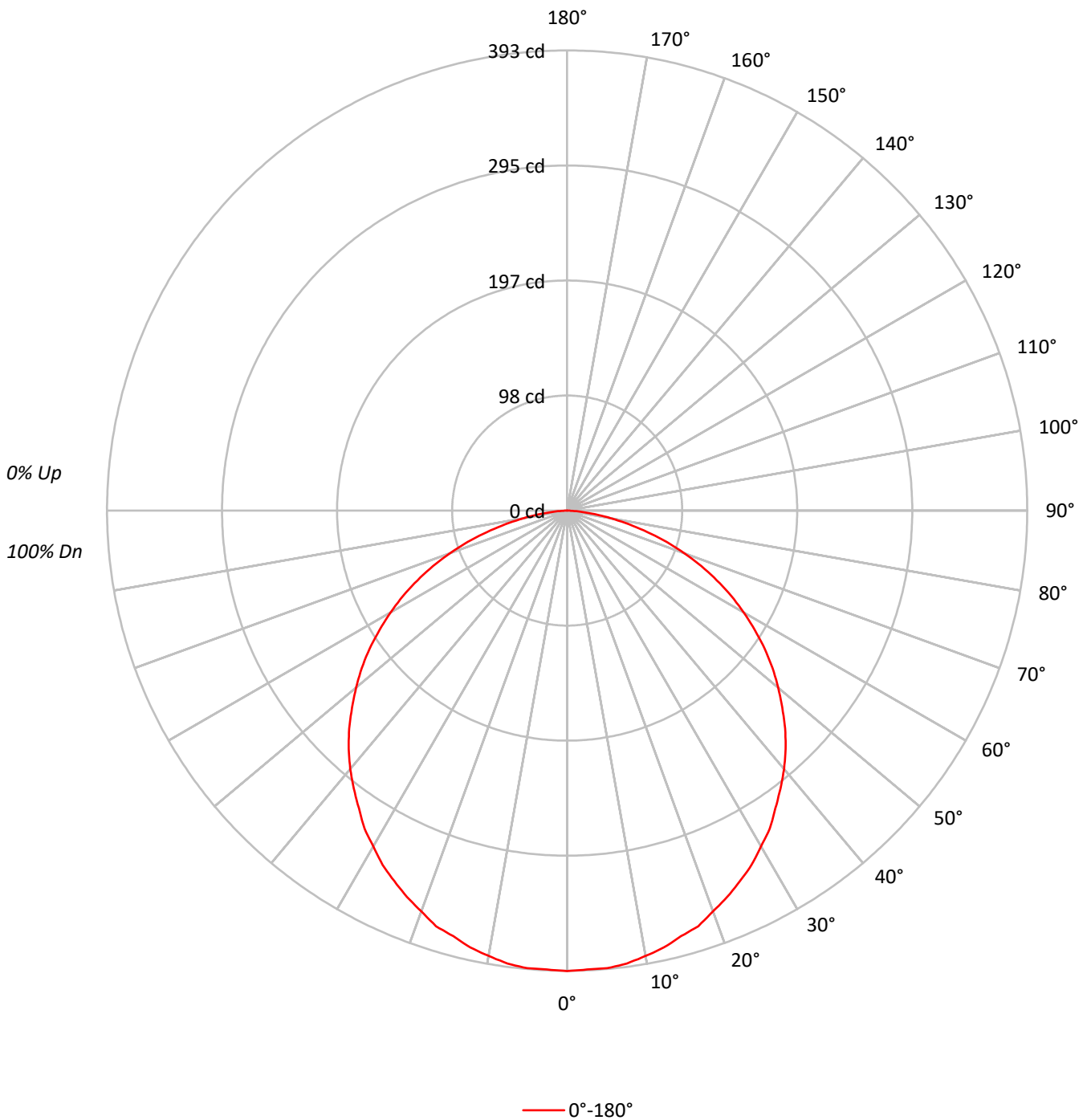
Input Watts (W): 27  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P366189

CATALOG NUMBER: FLD6BX30D010-FEU6B35-8035-F6LBXVM1-WMH-BL89AM

### Luminous Intensity Polar Plot





TEST NUMBER: P366189

CATALOG NUMBER: FLD6BX30D010-FEU6B35-8035-F6LBXVM1-WMH-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	83	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°	10743
5°	10757
10°	10712
15°	10639
20°	10587
25°	10525
30°	10446
35°	10344
40°	10277
45°	10167
50°	9995
55°	9815
60°	9511
65°	9120
70°	8474
75°	7493
80°	5977
85°	3447



TEST NUMBER: P366189

CATALOG NUMBER: FLD6BX30D010-FEUG6B35-8035-F6LBXVM1-WMH-BL89AM

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	37.2	3.3
10°-20°	106.4	9.5
20°-30°	161.0	14.4
30°-40°	194.4	17.4
40°-50°	202.8	18.2
50°-60°	183.8	16.5
60°-70°	139.4	12.5
70°-80°	75.4	6.8
80°-90°	15.5	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°	304.7	27.3
0°-40°	499.1	44.7
0°-60°	885.7	79.4
0°-90°	1116.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1116.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	393	
5°	392	37
15°	376	106
25°	349	161
35°	310	194
45°	263	203
55°	206	184
65°	141	139
75°	71	75
85°	11	15
90°	0	



TEST NUMBER: P366189

CATALOG NUMBER: FLD6BX30D010-FEU6B35-8035-F6LBXVM1-WMH-BL89AM

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	393.3
2.5°	392.3
5°	392.3
7.5°	390.2
10°	386.2
12.5°	382.2
15°	376.2
17.5°	372.2
20°	364.2
22.5°	357.2
25°	349.2
27.5°	341.2
30°	331.2
32.5°	322.2
35°	310.2
37.5°	299.2
40°	288.2
42.5°	276.2
45°	263.2
47.5°	249.2
50°	235.2
52.5°	221.1
55°	206.1
57.5°	190.1
60°	174.1
62.5°	158.1
65°	141.1
67.5°	124.1
70°	106.1
72.5°	89.1
75°	71.0
77.5°	54.0
80°	38.0
82.5°	24.0
85°	11.0
87.5°	3.0
90°	0.0

(END OF REPORT)