

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: P366153

Luminaire Tested: **FLD6BX30D010-FEU6B35-8027-F6LBXVM1-WMH-BL89AM**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366153  
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-FEU6B35-8027-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: 1047.0 lumens  
Efficiency: N/A  
Efficacy: 38.8 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

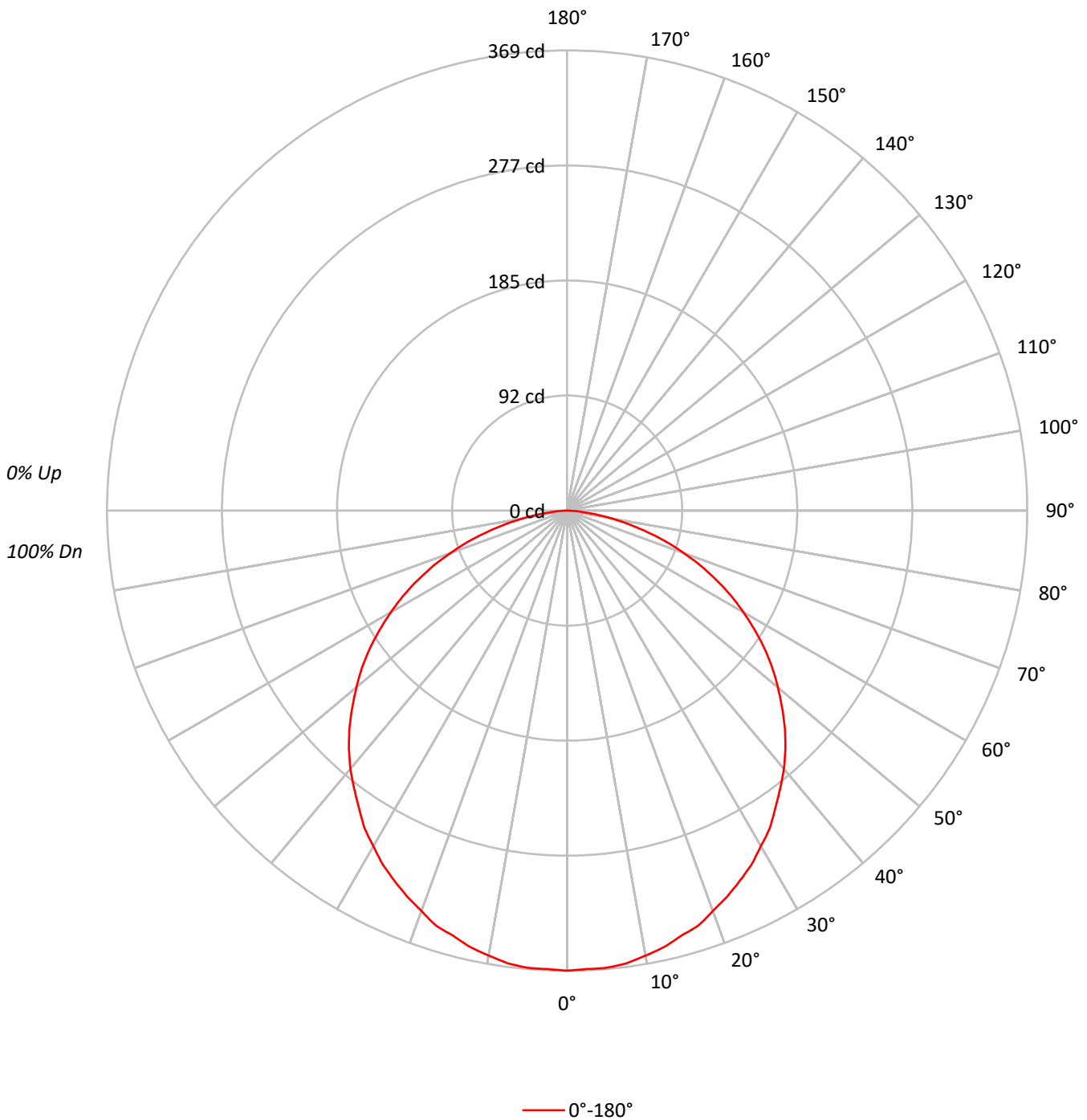
Input Watts (W): 27  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P366153

CATALOG NUMBER: FLD6BX30D010-FEU6B35-8027-F6LBXVM1-WMH-BL89AM

### Luminous Intensity Polar Plot





TEST NUMBER: P366153

CATALOG NUMBER: FLD6BX30D010-FEU6B35-8027-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°	10077
5°	10090
10°	10052
15°	9982
20°	9933
25°	9874
30°	9800
35°	9704
40°	9642
45°	9538
50°	9374
55°	9210
60°	8921
65°	8557
70°	7947
75°	7039
80°	5616
85°	3228



TEST NUMBER: P366153

CATALOG NUMBER: FLD6BX30D010-FEU6B35-8027-F6LBXVM1-WMH-BL89AM

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	34.9	3.3
10°-20°	99.8	9.5
20°-30°	151.1	14.4
30°-40°	182.4	17.4
40°-50°	190.2	18.2
50°-60°	172.5	16.5
60°-70°	130.7	12.5
70°-80°	70.8	6.8
80°-90°	14.5	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°	285.8	27.3
0°-40°	468.2	44.7
0°-60°	831.0	79.4
0°-90°	1047.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1047.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	369	
5°	368	35
15°	353	100
25°	328	151
35°	291	182
45°	247	190
55°	193	172
65°	132	131
75°	67	71
85°	10	15
90°	0	



TEST NUMBER: P366153

CATALOG NUMBER: FLD6BX30D010-FEU6B35-8027-F6LBXVM1-WMH-BL89AM

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	368.9
2.5°	368.0
5°	368.0
7.5°	366.1
10°	362.4
12.5°	358.6
15°	353.0
17.5°	349.2
20°	341.7
22.5°	335.1
25°	327.6
27.5°	320.1
30°	310.7
32.5°	302.3
35°	291.0
37.5°	280.7
40°	270.4
42.5°	259.1
45°	246.9
47.5°	233.8
50°	220.6
52.5°	207.5
55°	193.4
57.5°	178.4
60°	163.3
62.5°	148.3
65°	132.4
67.5°	116.4
70°	99.5
72.5°	83.6
75°	66.7
77.5°	50.7
80°	35.7
82.5°	22.5
85°	10.3
87.5°	2.8
90°	0.0

(END OF REPORT)