

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: P365452

Luminaire Tested: **FLD6BX30D010-FEU6B35-8030-F6LBXVM1-MW-BL89BV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365452  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-34)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX30D010-FEU6B35-8030-F6LBXVM1-MW-BL89BV  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS ACRYLIC, CLEAR 0.125", 3000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2375.0 lumens  
Efficiency: N/A  
Efficacy: 88.0 lumens/watt  
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.95  
Luminous Opening: Circular (Dia: 0.71' x H: 0')  
CIE Type: Direct

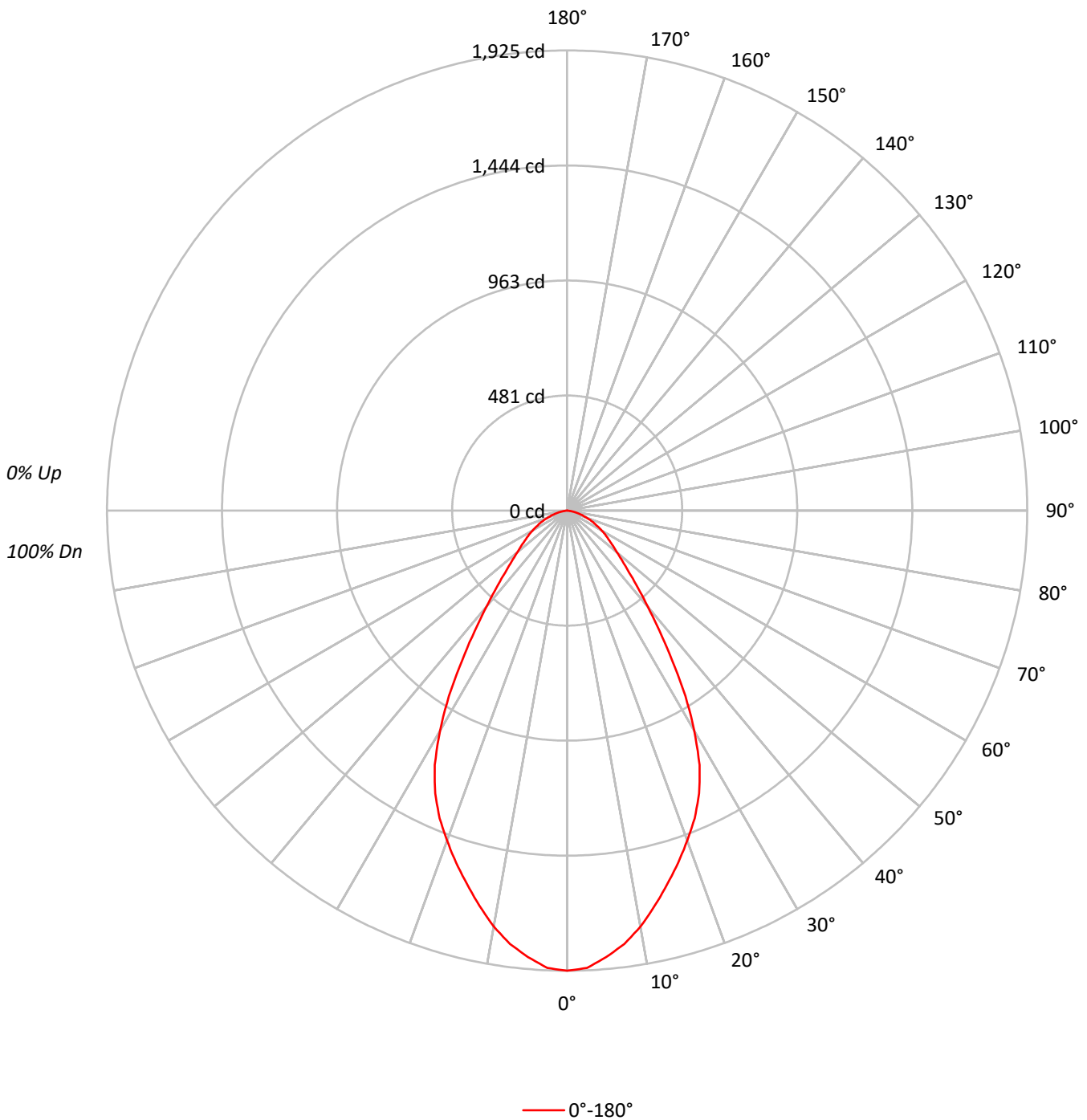
Input Watts (W): 27  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P365452

CATALOG NUMBER: FLD6BX30D010-FEU6B35-8030-F6LBXVM1-MW-BL89BV

### Luminous Intensity Polar Plot





TEST NUMBER: P365452

CATALOG NUMBER: FLD6BX30D010-FEU6B35-8030-F6LBXVM1-MW-BL89BV

**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	112	108	105	102	109	106	103	101	102	100	97		98	96	95		95	93	92	90
2	104	98	93	89	102	96	92	88	93	89	86		90	87	84		87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76		82	78	75		80	77	74	72
4	91	82	75	70	89	80	74	69	78	73	68		76	71	67		74	70	67	65
5	85	75	68	63	84	74	67	62	72	66	62		70	65	61		69	64	61	59
6	80	69	62	57	78	68	62	57	67	61	56		65	60	56		64	59	55	54
7	75	64	57	52	74	64	57	52	62	56	52		61	55	51		60	55	51	49
8	71	60	53	48	70	59	52	48	58	52	47		57	51	47		56	51	47	45
9	67	56	49	44	66	55	49	44	54	48	44		53	48	44		52	47	44	42
10	64	52	46	41	62	52	45	41	51	45	41		50	45	41		49	44	41	39

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

	0°
0°	52574
5°	51404
10°	49005
15°	45750
20°	42696
25°	39362
30°	33522
35°	25503
40°	18670
45°	14204
50°	11542
55°	10134
60°	9107
65°	8047
70°	6812
75°	5382
80°	3697
85°	1536



TEST NUMBER: P365452

CATALOG NUMBER: FLD6BX30D010-FEU6B35-8030-F6LBXVM1-MW-BL89BV

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	175.7	7.4
10°-20°	454.4	19.1
20°-30°	592.2	24.9
30°-40°	482.1	20.3
40°-50°	290.8	12.2
50°-60°	192.8	8.1
60°-70°	123.7	5.2
70°-80°	55.1	2.3
80°-90°	8.2	0.3
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°	1222.3	51.5
0°-40°	1704.4	71.8
0°-60°	2188.0	92.1
0°-90°	2375.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2375.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1925	
5°	1875	176
15°	1618	454
25°	1306	592
35°	765	482
45°	368	291
55°	213	193
65°	124	124
75°	51	55
85°	5	8
90°	0	



TEST NUMBER: P365452

CATALOG NUMBER: FLD6BX30D010-FEU6B35-8030-F6LBXVM1-MW-BL89BV

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1924.7
2.5°	1914.9
5°	1874.7
7.5°	1828.6
10°	1766.8
12.5°	1693.3
15°	1617.8
17.5°	1544.3
20°	1468.8
22.5°	1393.3
25°	1306.0
27.5°	1199.1
30°	1062.8
32.5°	920.7
35°	764.8
37.5°	634.4
40°	523.6
42.5°	436.3
45°	367.7
47.5°	313.8
50°	271.6
52.5°	241.2
55°	212.8
57.5°	190.2
60°	166.7
62.5°	145.1
65°	124.5
67.5°	104.9
70°	85.3
72.5°	67.7
75°	51.0
77.5°	36.3
80°	23.5
82.5°	12.7
85°	4.9
87.5°	1.0
90°	0.0

(END OF REPORT)