

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: P364441

Luminaire Tested: **FLD6BX10D010-FEU6B12-8027-F6LBXVM1-LI-BL86**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P364441  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-43)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX10D010-FEU6B12-8027-F6LBXVM1-LI-BL86  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, SPECULAR CLEAR REFLECTOR,  
BOTTOM LENS POLYCARBONATE, CLEAR 0.250", 1000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 897.0 lumens  
Efficiency: N/A  
Efficacy: 89.7 lumens/watt  
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.82  
Luminous Opening: Circular (Dia: 0.71' x H: 0')  
CIE Type: Direct

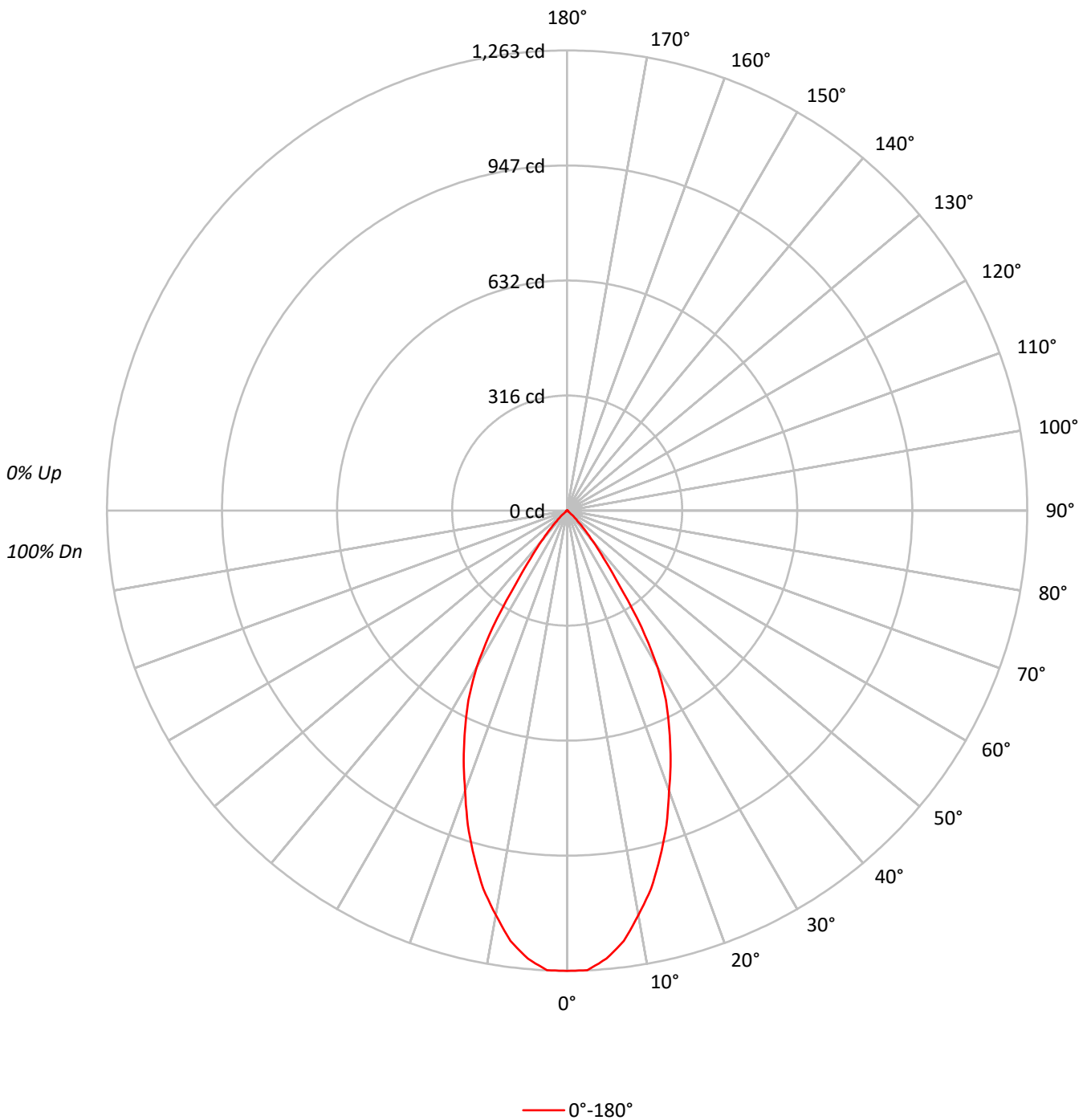
Input Watts (W): 10  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P364441

CATALOG NUMBER: FLD6BX10D010-FEU6B12-8027-F6LBXVM1-LI-BL86

### Luminous Intensity Polar Plot





TEST NUMBER: P364441

CATALOG NUMBER: FLD6BX10D010-FEU6B12-8027-F6LBXVM1-LI-BL86

**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	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98	97	96	94
2	109	104	100	97	106	102	99	96	99	96	94		96	94	92		93	91	90	88
3	103	97	93	89	101	96	92	88	93	90	87		91	88	85		89	86	84	83
4	99	91	86	82	97	90	85	82	88	84	81		86	83	80		84	81	79	77
5	94	86	80	76	92	85	80	76	83	79	75		82	78	75		80	77	74	73
6	90	81	75	71	88	80	75	71	79	74	71		77	73	70		76	73	70	68
7	85	77	71	67	84	76	71	67	75	70	66		74	69	66		72	69	66	64
8	82	72	67	63	80	72	67	63	71	66	63		70	65	62		69	65	62	61
9	78	69	63	59	77	68	63	59	67	62	59		66	62	59		66	62	59	57
10	74	65	60	56	73	65	60	56	64	59	56		63	59	56		63	58	56	54

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

	0°
0°	34510
5°	33855
10°	31265
15°	27860
20°	23792
25°	19982
30°	15685
35°	8130
40°	3883
45°	1530
50°	404
55°	114
60°	76
65°	65
70°	56
75°	74
80°	47
85°	94



TEST NUMBER: P364441

CATALOG NUMBER: FLD6BX10D010-FEU6B12-8027-F6LBXVM1-LI-BL86

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	114.5	12.8
10°-20°	273.8	30.5
20°-30°	302.3	33.7
30°-40°	166.4	18.5
40°-50°	35.2	3.9
50°-60°	3.0	0.3
60°-70°	0.9	0.1
70°-80°	0.7	0.1
80°-90°	0.3	0.0
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°	690.6	77.0
0°-40°	857.0	95.5
0°-60°	895.1	99.8
0°-90°	897.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	897.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1263	
5°	1235	114
15°	985	274
25°	663	302
35°	244	166
45°	40	35
55°	2	3
65°	1	1
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P364441

CATALOG NUMBER: FLD6BX10D010-FEU6B12-8027-F6LBXVM1-LI-BL86

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1263.4
2.5°	1262.8
5°	1234.7
7.5°	1191.4
10°	1127.2
12.5°	1063.3
15°	985.2
17.5°	905.7
20°	818.5
22.5°	742.1
25°	663.0
27.5°	586.6
30°	497.3
32.5°	379.7
35°	243.8
37.5°	164.3
40°	108.9
42.5°	68.0
45°	39.6
47.5°	20.3
50°	9.5
52.5°	4.1
55°	2.4
57.5°	1.7
60°	1.4
62.5°	1.0
65°	1.0
67.5°	0.7
70°	0.7
72.5°	1.0
75°	0.7
77.5°	0.3
80°	0.3
82.5°	0.3
85°	0.3
87.5°	0.3
90°	0.0

(END OF REPORT)