

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: P365872

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8050-F6LBXVM1-MW-BTR85**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365872  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX70D010TE-FEU6B67-8050-F6LBXVM1-MW-BTR85  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,  
BOTTOM TRIM POLYCARBONATE, CLEAR 0.187", 7000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4370.0 lumens  
Efficiency: N/A  
Efficacy: 59.5 lumens/watt  
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.84  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

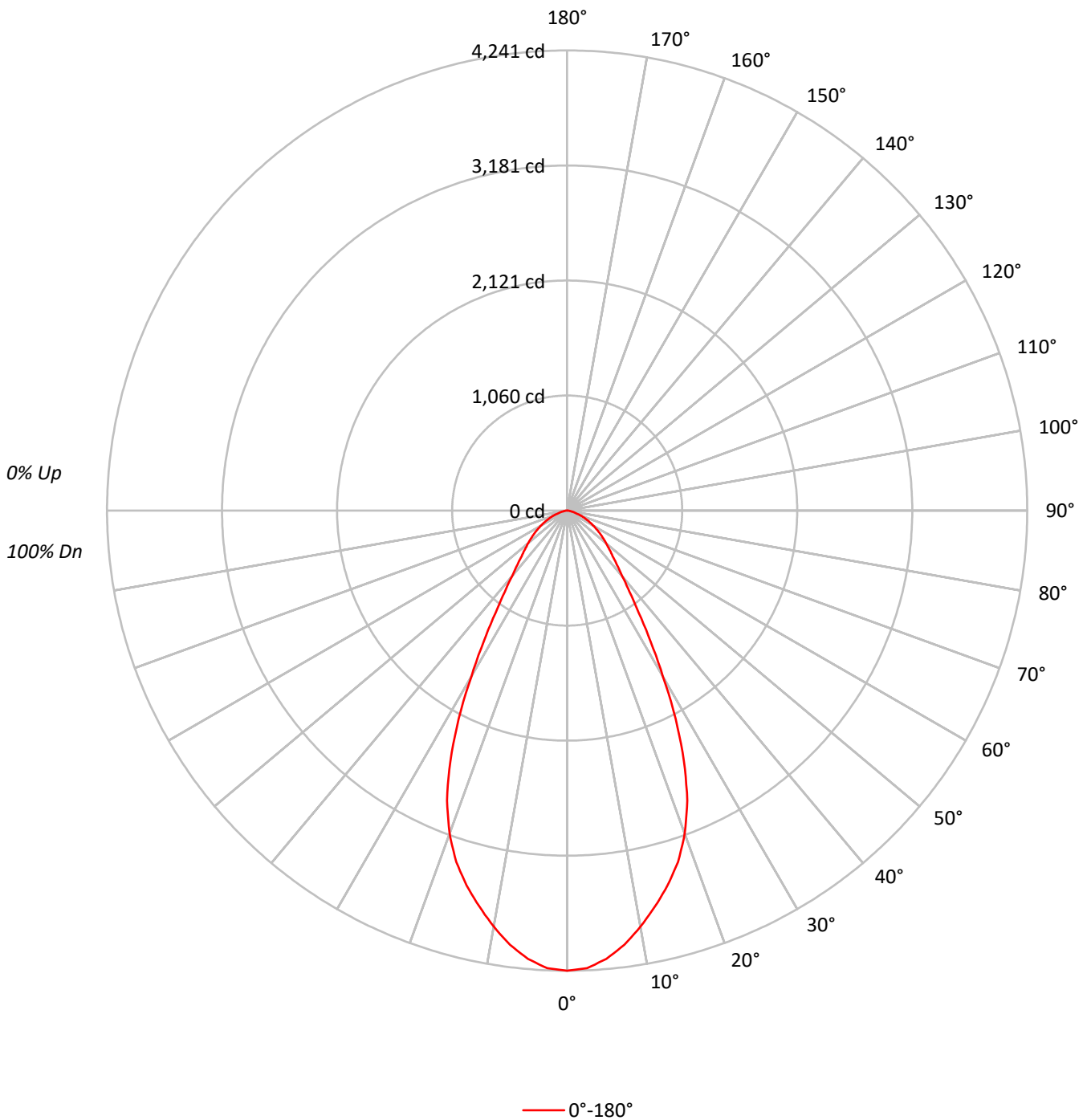
Input Watts (W): 73.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P365872

CATALOG NUMBER: FLD6BX70D010TE-FEU6B67-8050-F6LBXVM1-MW-BTR85

### Luminous Intensity Polar Plot





TEST NUMBER: P365872

CATALOG NUMBER: FLD6BX70D010TE-FEU6B67-8050-F6LBXVM1-MW-BTR85

**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	109	106	103	110	107	104	101	102	100	98		99	97	95		95	94	92	91
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	86	83	82
3	99	91	85	80	96	89	84	79	87	82	78		84	80	77		82	78	76	74
4	93	84	77	72	91	82	76	72	80	75	71		78	73	70		76	72	69	67
5	87	77	70	65	85	76	70	65	74	69	64		73	68	64		71	67	63	62
6	82	72	65	60	80	71	64	60	69	63	59		68	63	59		66	62	58	57
7	77	67	60	55	76	66	60	55	65	59	55		64	58	54		62	58	54	52
8	73	63	56	51	72	62	55	51	61	55	51		60	54	51		59	54	50	49
9	70	59	52	48	68	58	52	48	57	51	47		56	51	47		55	51	47	45
10	66	55	49	45	65	55	49	44	54	48	44		53	48	44		52	48	44	43

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

	0°
0°	303649
5°	298046
10°	283119
15°	265147
20°	241408
25°	201373
30°	146027
35°	100469
40°	73860
45°	59946
50°	52154
55°	46076
60°	40083
65°	33987
70°	27488
75°	19863
80°	13277
85°	14213



TEST NUMBER: P365872

CATALOG NUMBER: FLD6BX70D010TE-FEU6B67-8050-F6LBXVM1-MW-BTR85

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	387.7	8.9
10°-20°	999.1	22.9
20°-30°	1146.5	26.2
30°-40°	742.0	17.0
40°-50°	466.2	10.7
50°-60°	331.7	7.6
60°-70°	200.1	4.6
70°-80°	79.5	1.8
80°-90°	17.2	0.4
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°	2533.3	58.0
0°-40°	3275.3	75.0
0°-60°	4073.2	93.2
0°-90°	4370.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4370.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4241	
5°	4147	388
15°	3577	999
25°	2549	1146
35°	1149	742
45°	592	466
55°	369	332
65°	201	200
75°	72	80
85°	17	17
90°	0	



TEST NUMBER: P365872

CATALOG NUMBER: FLD6BX70D010TE-FEU6B67-8050-F6LBXVM1-MW-BTR85

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4240.8
2.5°	4221.0
5°	4146.7
7.5°	4035.2
10°	3894.0
12.5°	3737.9
15°	3576.9
17.5°	3396.1
20°	3168.2
22.5°	2893.3
25°	2548.9
27.5°	2165.0
30°	1766.2
32.5°	1429.3
35°	1149.4
37.5°	943.8
40°	790.2
42.5°	678.7
45°	592.0
47.5°	525.1
50°	468.2
52.5°	418.6
55°	369.1
57.5°	324.5
60°	279.9
62.5°	240.3
65°	200.6
67.5°	163.5
70°	131.3
72.5°	99.1
75°	71.8
77.5°	49.5
80°	32.2
82.5°	19.8
85°	17.3
87.5°	9.9
90°	0.0

(END OF REPORT)