

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: P366546

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8035-F6LBXVM1-WMH-BL85**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366546  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-47)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX70D010TE-FEU6B67-8035-F6LBXVM1-WMH-BL85  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, WARM HAZE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.187", 7000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6252.0 lumens  
Efficiency: N/A  
Efficacy: 85.2 lumens/watt  
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.85  
Luminous Opening: Circular (Dia: 0.71' x H: 0')  
CIE Type: Direct

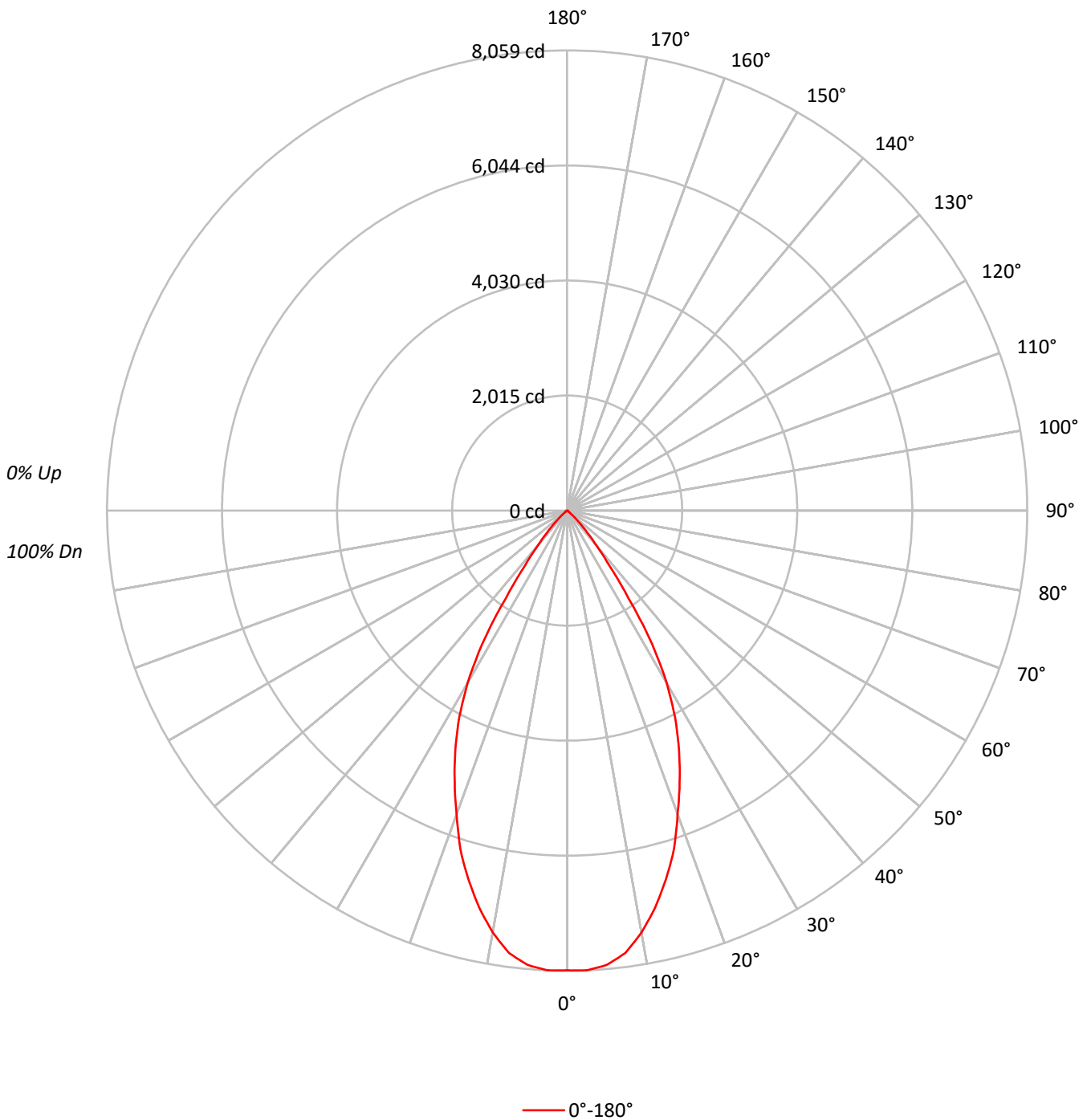
Input Watts (W): 73.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P366546

CATALOG NUMBER: FLD6BX70D010TE-FEU6B67-8035-F6LBXVM1-WMH-BL85

### Luminous Intensity Polar Plot





TEST NUMBER: P366546

CATALOG NUMBER: FLD6BX70D010TE-FEU6B67-8035-F6LBXVM1-WMH-BL85

**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	106	111	109	107	105	105	103	102		101	100	99		98	97	96	94
2	108	104	100	97	106	102	98	95	99	96	93		96	93	91		93	91	89	88
3	103	97	92	88	101	96	91	88	93	89	86		91	88	85		88	86	84	82
4	98	91	86	82	96	90	85	81	88	83	80		86	82	79		84	81	78	77
5	93	85	80	76	92	85	79	75	83	78	75		81	77	74		80	76	73	72
6	89	80	75	71	88	80	74	70	78	73	70		77	73	69		76	72	69	68
7	85	76	70	66	83	75	70	66	74	69	65		73	68	65		72	68	65	63
8	81	72	66	62	80	71	66	62	70	65	62		69	65	61		68	64	61	60
9	77	68	62	58	76	67	62	58	66	62	58		66	61	58		65	61	58	56
10	74	64	59	55	73	64	59	55	63	58	55		62	58	55		62	58	55	53

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

	0°
0°	219940
5°	219014
10°	208053
15°	188985
20°	164448
25°	139812
30°	109980
35°	62750
40°	28234
45°	11886
50°	3748
55°	1138
60°	781
65°	614
70°	575
75°	760
80°	378
85°	752



TEST NUMBER: P366546

CATALOG NUMBER: FLD6BX70D010TE-FEU6B67-8035-F6LBXVM1-WMH-BL85

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	747.1	12.0
10°-20°	1859.0	29.7
20°-30°	2106.5	33.7
30°-40°	1221.2	19.5
40°-50°	270.8	4.3
50°-60°	29.7	0.5
60°-70°	9.7	0.2
70°-80°	6.3	0.1
80°-90°	1.6	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°	4712.6	75.4
0°-40°	5933.8	94.9
0°-60°	6234.3	99.7
0°-90°	6252.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6252.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	8052	
5°	7988	747
15°	6683	1859
25°	4639	2107
35°	1882	1221
45°	308	271
55°	24	30
65°	10	10
75°	7	6
85°	2	2
90°	0	



TEST NUMBER: P366546

CATALOG NUMBER: FLD6BX70D010TE-FEU6B67-8035-F6LBXVM1-WMH-BL85

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	8051.9
2.5°	8059.1
5°	7987.5
7.5°	7813.4
10°	7501.0
12.5°	7121.8
15°	6682.9
17.5°	6220.2
20°	5657.3
22.5°	5149.3
25°	4638.9
27.5°	4095.1
30°	3486.9
32.5°	2769.0
35°	1881.8
37.5°	1209.2
40°	791.8
42.5°	517.6
45°	307.7
47.5°	171.7
50°	88.2
52.5°	40.5
55°	23.9
57.5°	19.1
60°	14.3
62.5°	11.9
65°	9.5
67.5°	7.2
70°	7.2
72.5°	7.2
75°	7.2
77.5°	4.8
80°	2.4
82.5°	2.4
85°	2.4
87.5°	0.0
90°	0.0

(END OF REPORT)