

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: P365873

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8050-F6LBXVM1-MW-BTR86**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365873  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-17)  
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-BTR86  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,  
BOTTOM TRIM POLYCARBONATE, CLEAR 0.250", 7000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4234.0 lumens  
Efficiency: N/A  
Efficacy: 57.7 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.83  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

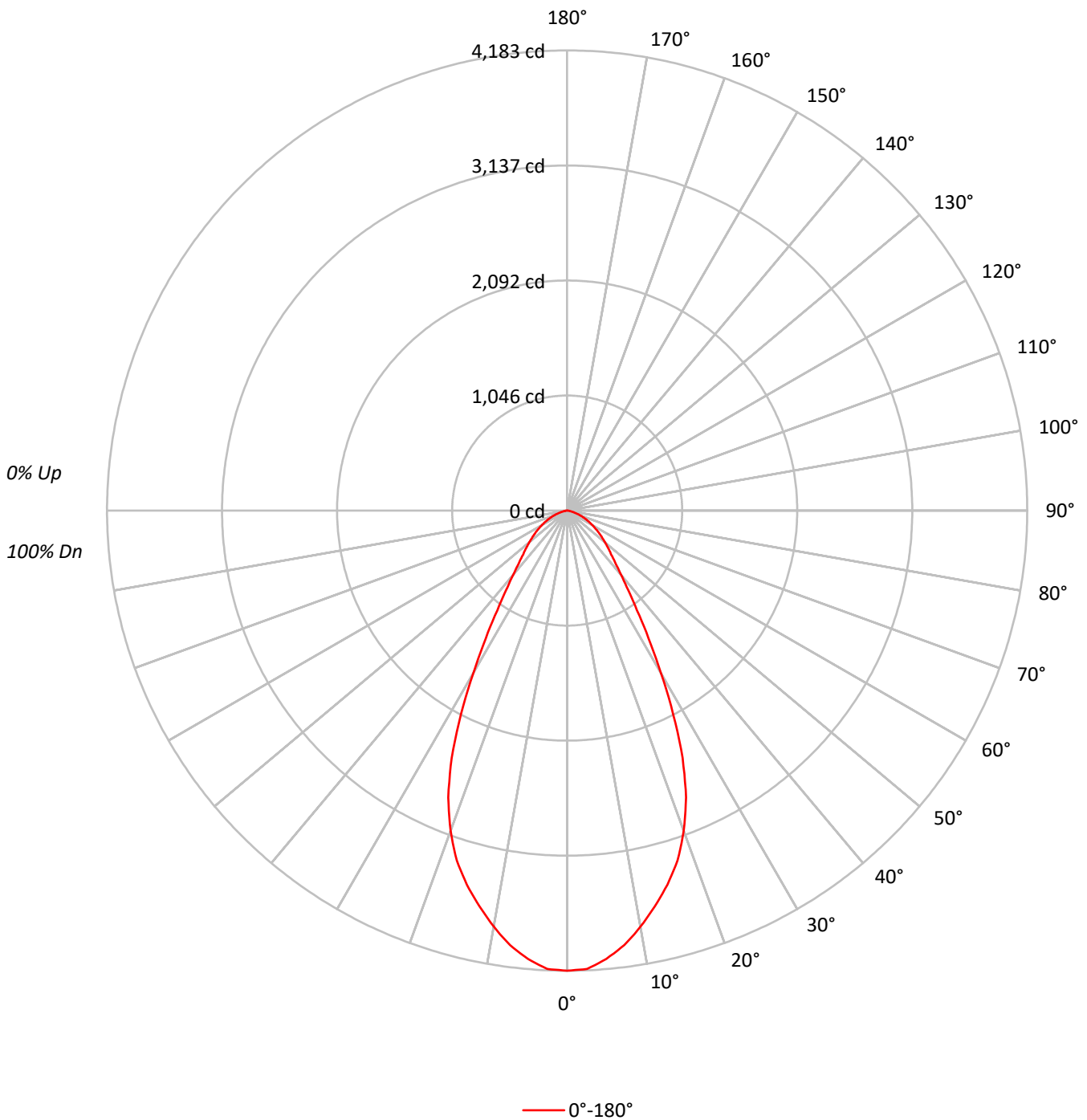
Input Watts (W): 73.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P365873

CATALOG NUMBER: FLD6BX70D010TE-FEU6B67-8050-F6LBXVM1-MW-BTR86

### Luminous Intensity Polar Plot





TEST NUMBER: P365873

CATALOG NUMBER: FLD6BX70D010TE-FEU6B67-8050-F6LBXVM1-MW-BTR86

**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	103	100	98		99	97	95		95	94	93	91
2	105	99	94	90	103	98	93	89	94	91	87		91	88	85		88	86	84	82
3	99	91	85	80	97	90	84	80	87	82	78		84	80	77		82	79	76	74
4	93	84	77	72	91	83	77	72	80	75	71		78	74	70		76	72	69	68
5	87	78	71	66	86	77	70	65	75	69	65		73	68	64		71	67	64	62
6	82	72	65	60	81	71	65	60	70	64	60		68	63	59		67	62	59	57
7	78	67	60	56	76	66	60	55	65	59	55		64	59	55		63	58	54	53
8	74	63	56	51	72	62	56	51	61	55	51		60	55	51		59	54	51	49
9	70	59	52	48	69	59	52	48	58	52	48		57	51	48		56	51	47	46
10	66	56	49	45	65	55	49	45	54	49	45		53	48	45		53	48	44	43

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

	0°
0°	299489
5°	294042
10°	279251
15°	261011
20°	236203
25°	196159
30°	140744
35°	96596
40°	71102
45°	57455
50°	49960
55°	43929
60°	37963
65°	32326
70°	25415
75°	17816
80°	11257
85°	12241



TEST NUMBER: P365873

CATALOG NUMBER: FLD6BX70D010TE-FEU6B67-8050-F6LBXVM1-MW-BTR86

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	382.7	9.0
10°-20°	982.5	23.2
20°-30°	1114.4	26.3
30°-40°	714.3	16.9
40°-50°	447.7	10.6
50°-60°	315.8	7.5
60°-70°	189.7	4.5
70°-80°	72.4	1.7
80°-90°	14.5	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°	2479.6	58.6
0°-40°	3193.9	75.4
0°-60°	3957.4	93.5
0°-90°	4234.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4234.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4183	
5°	4091	383
15°	3521	982
25°	2483	1114
35°	1105	714
45°	567	448
55°	352	316
65°	191	190
75°	64	72
85°	15	14
90°	0	



TEST NUMBER: P365873

CATALOG NUMBER: FLD6BX70D010TE-FEU6B67-8050-F6LBXVM1-MW-BTR86

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4182.7
2.5°	4170.3
5°	4091.0
7.5°	3984.5
10°	3840.8
12.5°	3684.6
15°	3521.1
17.5°	3335.3
20°	3099.9
22.5°	2824.8
25°	2482.9
27.5°	2088.9
30°	1702.3
32.5°	1375.2
35°	1105.1
37.5°	909.4
40°	760.7
42.5°	651.7
45°	567.4
47.5°	505.5
50°	448.5
52.5°	398.9
55°	351.9
57.5°	307.3
60°	265.1
62.5°	228.0
65°	190.8
67.5°	156.1
70°	121.4
72.5°	91.7
75°	64.4
77.5°	44.6
80°	27.3
82.5°	17.3
85°	14.9
87.5°	7.4
90°	0.0

(END OF REPORT)