

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: P365853

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8040-F6LBXVM1-MW-BTR84**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365853  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX70D010TE-FEU6B67-8040-F6LBXVM1-MW-BTR84  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,  
BOTTOM TRIM POLYCARBONATE, CLEAR 0.125", 7000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4298.0 lumens  
Efficiency: N/A  
Efficacy: 58.6 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

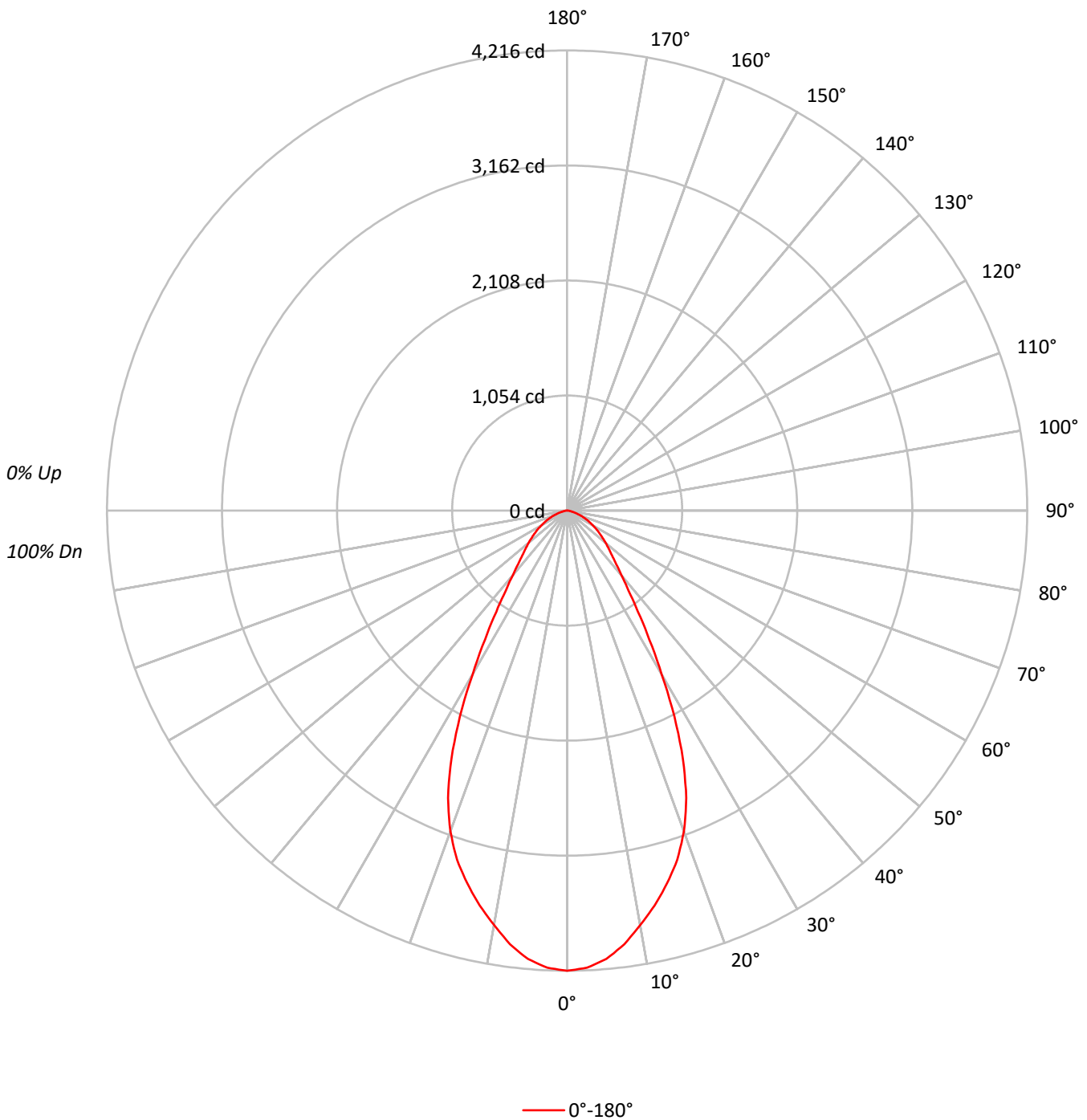
Input Watts (W): 73.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P365853

CATALOG NUMBER: FLD6BX70D010TE-FEU6B67-8040-F6LBXVM1-MW-BTR84

### Luminous Intensity Polar Plot





TEST NUMBER: P365853

CATALOG NUMBER: FLD6BX70D010TE-FEU6B67-8040-F6LBXVM1-MW-BTR84

**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	93	91
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	86	84	82
3	99	91	85	80	96	89	84	80	87	82	78		84	80	77		82	79	76	74
4	93	84	77	72	91	82	76	72	80	75	71		78	74	70		76	72	69	67
5	87	77	71	65	85	76	70	65	74	69	65		73	68	64		71	67	63	62
6	82	72	65	60	81	71	64	60	69	64	59		68	63	59		67	62	58	57
7	78	67	60	55	76	66	60	55	65	59	55		64	58	54		62	58	54	53
8	73	63	56	51	72	62	56	51	61	55	51		60	55	51		59	54	50	49
9	70	59	52	48	68	58	52	48	57	52	47		56	51	47		55	51	47	46
10	66	55	49	45	65	55	49	45	54	48	44		53	48	44		52	48	44	43

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

	0°
0°	301873
5°	296421
10°	280327
15°	262138
20°	238306
25°	198355
30°	143191
35°	98948
40°	72345
45°	58782
50°	51196
55°	44990
60°	39138
65°	33190
70°	26839
75°	18729
80°	11958
85°	13884



TEST NUMBER: P365853

CATALOG NUMBER: FLD6BX70D010TE-FEU6B67-8040-F6LBXVM1-MW-BTR84

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	385.0	9.0
10°-20°	988.0	23.0
20°-30°	1128.5	26.3
30°-40°	727.9	16.9
40°-50°	457.1	10.6
50°-60°	324.2	7.5
60°-70°	195.3	4.5
70°-80°	75.4	1.8
80°-90°	16.5	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°	2501.6	58.2
0°-40°	3229.5	75.1
0°-60°	4010.8	93.3
0°-90°	4298.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4298.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4216	
5°	4124	385
15°	3536	988
25°	2511	1129
35°	1132	728
45°	580	457
55°	360	324
65°	196	195
75°	68	75
85°	17	16
90°	0	



TEST NUMBER: P365853

CATALOG NUMBER: FLD6BX70D010TE-FEU6B67-8040-F6LBXVM1-MW-BTR84

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4216.0
2.5°	4191.8
5°	4124.1
7.5°	4008.0
10°	3855.6
12.5°	3705.6
15°	3536.3
17.5°	3354.9
20°	3127.5
22.5°	2851.8
25°	2510.7
27.5°	2126.2
30°	1731.9
32.5°	1400.5
35°	1132.0
37.5°	924.0
40°	774.0
42.5°	665.2
45°	580.5
47.5°	515.2
50°	459.6
52.5°	408.8
55°	360.4
57.5°	316.9
60°	273.3
62.5°	234.6
65°	195.9
67.5°	159.6
70°	128.2
72.5°	94.3
75°	67.7
77.5°	46.0
80°	29.0
82.5°	19.4
85°	16.9
87.5°	9.7
90°	0.0

(END OF REPORT)