

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: P365838

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8035-F6LBXVM1-MW-BTR87**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365838  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-18)  
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-MW-BTR87  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,  
BOTTOM TRIM POLYCARBONATE, CLEAR 0.375", 7000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4165.0 lumens  
Efficiency: N/A  
Efficacy: 56.7 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

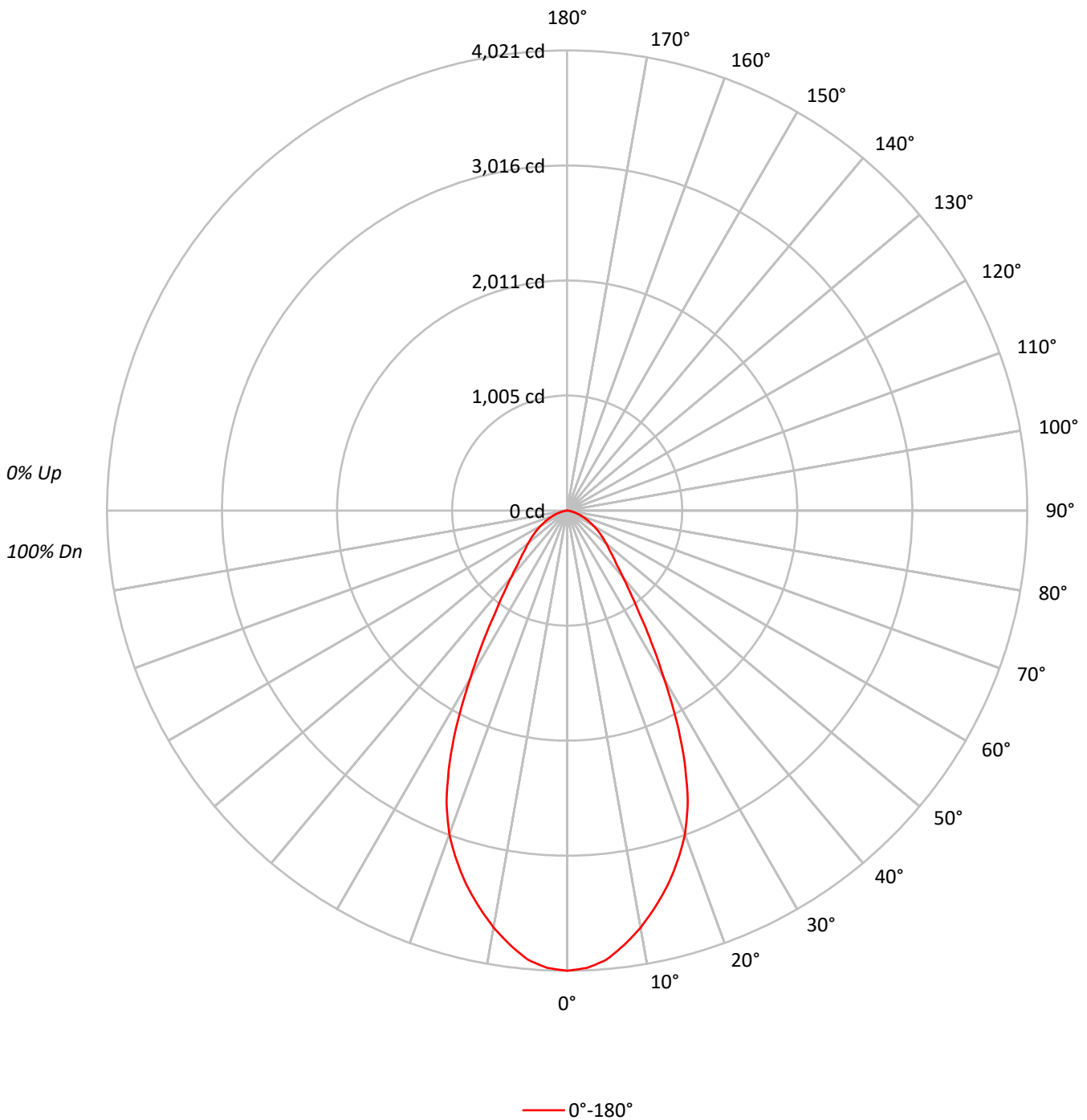
Input Watts (W): 73.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**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	106	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	92	84	77	72	91	82	76	71	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	61
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	63	58	54	62	58	54	52
8	73	62	56	51	72	62	55	51	61	55	51	60	54	50	59	54	50	49
9	69	59	52	48	68	58	52	47	57	51	47	56	51	47	55	50	47	45
10	66	55	49	44	65	55	49	44	54	48	44	53	48	44	52	47	44	43

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

	0°
0°	287925
5°	283175
10°	269036
15°	251389
20°	229391
25°	192051
30°	139801
35°	96719
40°	70738
45°	56989
50°	49358
55°	43654
60°	38064
65°	32462
70°	26566
75°	19891
80°	13813
85°	11830



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	368.0	8.8
10°-20°	947.2	22.7
20°-30°	1093.3	26.3
30°-40°	713.0	17.1
40°-50°	442.6	10.6
50°-60°	314.4	7.5
60°-70°	191.1	4.6
70°-80°	79.1	1.9
80°-90°	16.3	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°	2408.5	57.8
0°-40°	3121.5	74.9
0°-60°	3878.5	93.1
0°-90°	4165.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4165.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4021	
5°	3940	368
15°	3391	947
25°	2431	1093
35°	1106	713
45°	563	443
55°	350	314
65°	192	191
75°	72	79
85°	14	16
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4021.2
2.5°	3999.7
5°	3939.8
7.5°	3827.2
10°	3700.3
12.5°	3549.4
15°	3391.3
17.5°	3209.3
20°	3010.5
22.5°	2754.3
25°	2430.9
27.5°	2069.3
30°	1690.9
32.5°	1374.7
35°	1106.5
37.5°	907.7
40°	756.8
42.5°	644.3
45°	562.8
47.5°	495.8
50°	443.1
52.5°	395.2
55°	349.7
57.5°	309.0
60°	265.8
62.5°	227.5
65°	191.6
67.5°	158.1
70°	126.9
72.5°	98.2
75°	71.9
77.5°	50.3
80°	33.5
82.5°	21.6
85°	14.4
87.5°	7.2
90°	0.0

(END OF REPORT)