

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: P365818

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8030-F6LBXVM1-MW-BTR85**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365818  
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-FEU6B67-8030-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: 4138.9 lumens  
Efficiency: N/A  
Efficacy: 56.4 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

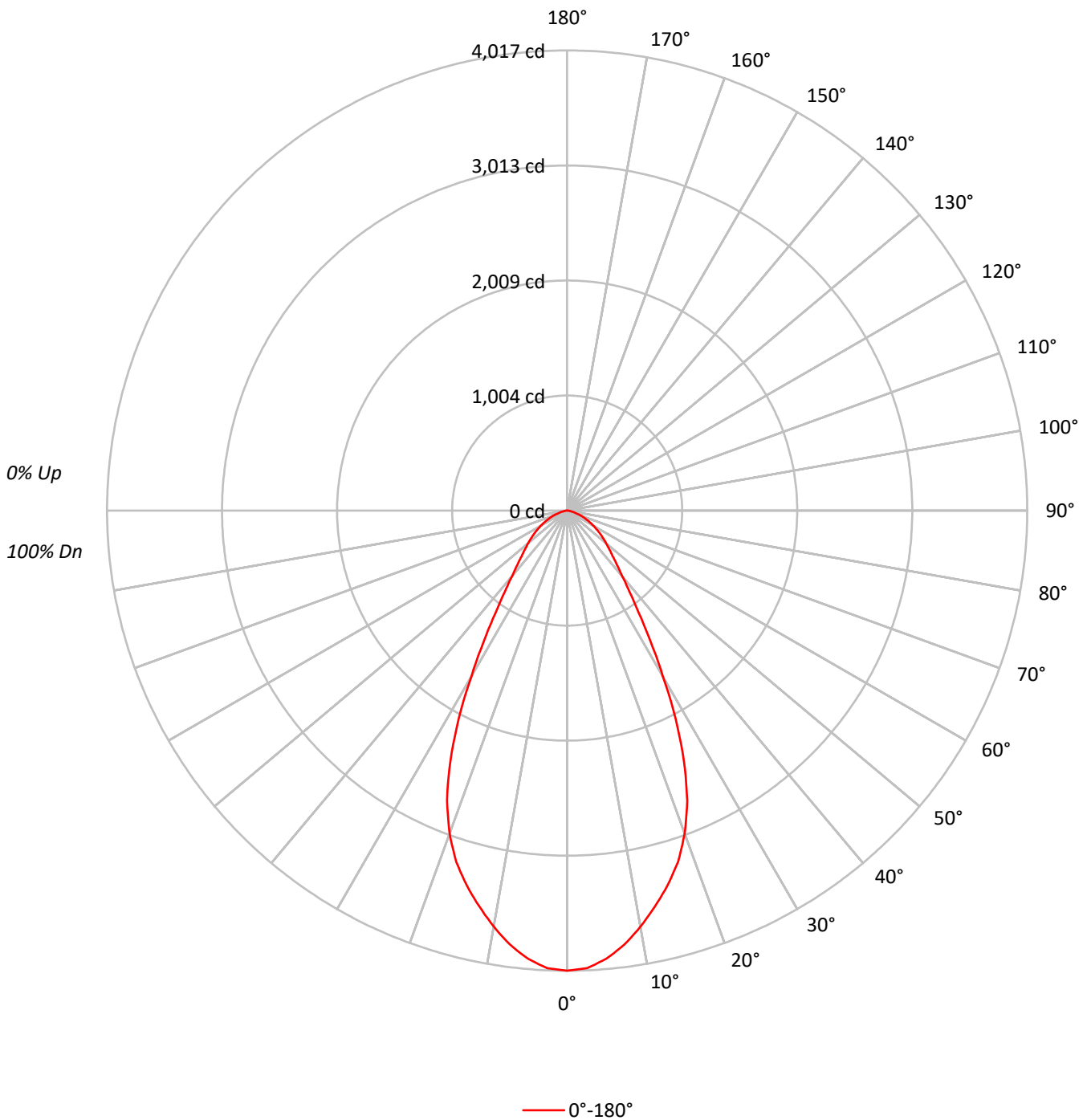
Input Watts (W): 73.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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	78	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°	287596
5°	282290
10°	268156
15°	251137
20°	228645
25°	190731
30°	138305
35°	95154
40°	69953
45°	56777
50°	49392
55°	43642
60°	37963
65°	32191
70°	26022
75°	18812
80°	12576
85°	13473



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	367.2	8.9
10°-20°	946.3	22.9
20°-30°	1085.9	26.2
30°-40°	702.8	17.0
40°-50°	441.5	10.7
50°-60°	314.2	7.6
60°-70°	189.5	4.6
70°-80°	75.3	1.8
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°	2399.4	58.0
0°-40°	3102.1	75.0
0°-60°	3857.9	93.2
0°-90°	4138.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4138.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4017	
5°	3928	367
15°	3388	946
25°	2414	1086
35°	1089	703
45°	561	442
55°	350	314
65°	190	189
75°	68	75
85°	16	16
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4016.6
2.5°	3997.9
5°	3927.5
7.5°	3821.9
10°	3688.2
12.5°	3540.4
15°	3387.9
17.5°	3216.6
20°	3000.7
22.5°	2740.3
25°	2414.2
27.5°	2050.5
30°	1672.8
32.5°	1353.7
35°	1088.6
37.5°	893.9
40°	748.4
42.5°	642.8
45°	560.7
47.5°	497.4
50°	443.4
52.5°	396.5
55°	349.6
57.5°	307.3
60°	265.1
62.5°	227.6
65°	190.0
67.5°	154.8
70°	124.3
72.5°	93.8
75°	68.0
77.5°	46.9
80°	30.5
82.5°	18.8
85°	16.4
87.5°	9.4
90°	0.0

(END OF REPORT)