

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: P365819

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8030-F6LBXVM1-MW-BTR86**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365819  
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-FEU6B67-8030-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: 4009.9 lumens  
Efficiency: N/A  
Efficacy: 54.6 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

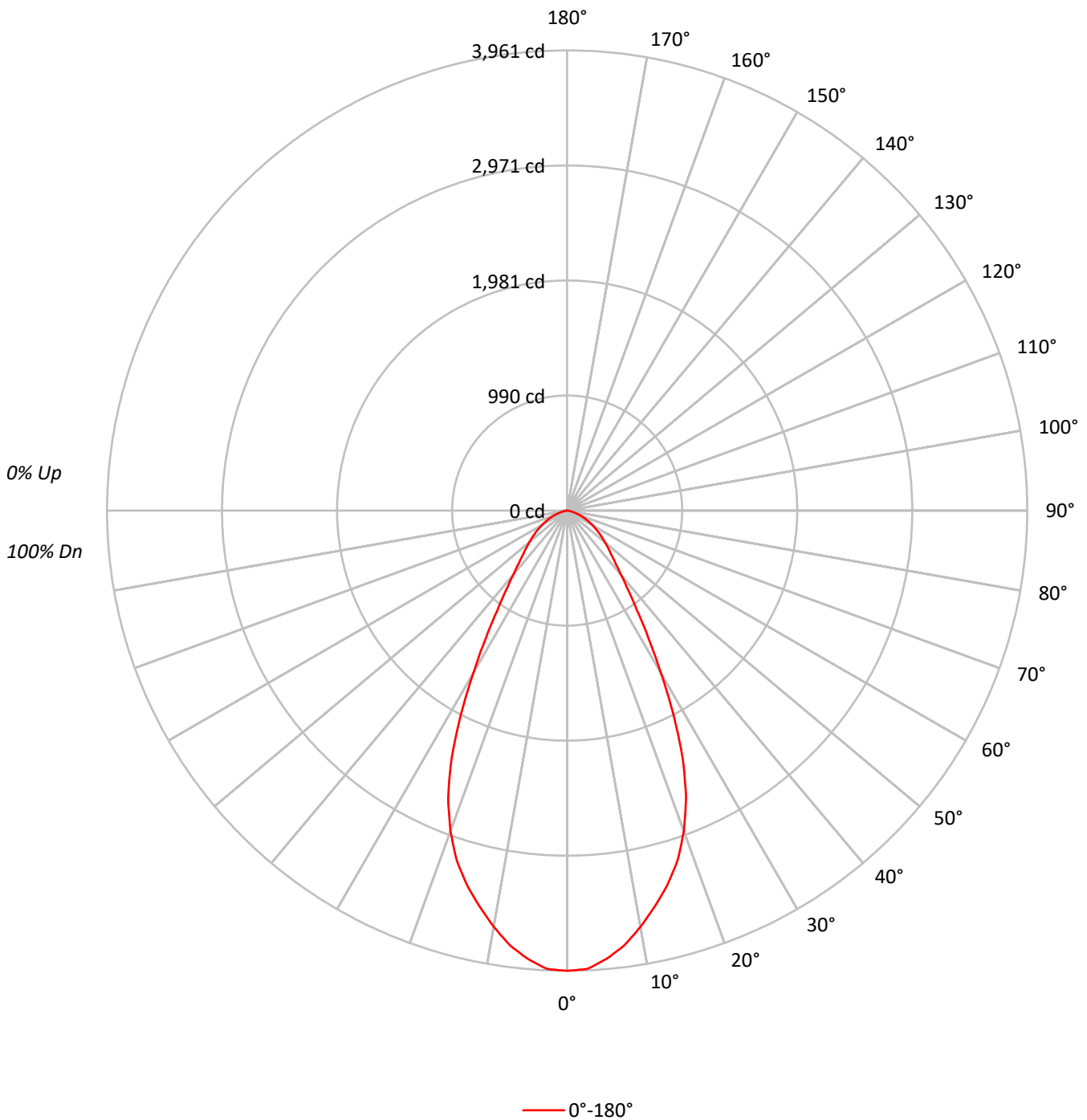
Input Watts (W): 73.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	283644
5°	278488
10°	264477
15°	247201
20°	223707
25°	185778
30°	133303
35°	91492
40°	67345
45°	54417
50°	47320
55°	41595
60°	35958
65°	30615
70°	24075
75°	16876
80°	10638
85°	11584



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	362.5	9.0
10°-20°	930.5	23.2
20°-30°	1055.5	26.3
30°-40°	676.5	16.9
40°-50°	424.0	10.6
50°-60°	299.0	7.5
60°-70°	179.7	4.5
70°-80°	68.5	1.7
80°-90°	13.7	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°	2348.4	58.6
0°-40°	3025.0	75.4
0°-60°	3748.0	93.5
0°-90°	4009.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4009.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3961	
5°	3875	362
15°	3335	931
25°	2352	1055
35°	1047	677
45°	537	424
55°	333	299
65°	181	180
75°	61	69
85°	14	14
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	3961.4
2.5°	3949.7
5°	3874.6
7.5°	3773.7
10°	3637.6
12.5°	3489.7
15°	3334.8
17.5°	3158.8
20°	2935.9
22.5°	2675.4
25°	2351.5
27.5°	1978.4
30°	1612.3
32.5°	1302.5
35°	1046.7
37.5°	861.3
40°	720.5
42.5°	617.2
45°	537.4
47.5°	478.7
50°	424.8
52.5°	377.8
55°	333.2
57.5°	291.0
60°	251.1
62.5°	215.9
65°	180.7
67.5°	147.8
70°	115.0
72.5°	86.8
75°	61.0
77.5°	42.2
80°	25.8
82.5°	16.4
85°	14.1
87.5°	7.0
90°	0.0

(END OF REPORT)