

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: P366561

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8035-F6LBXVM1-WMH-BTR94**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366561  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-33)  
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-WMH-BTR94  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,  
BOTTOM TRIM GLASS, TEMPERED CLEAR 0.187", 7000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5419.0 lumens  
Efficiency: N/A  
Efficacy: 73.8 lumens/watt  
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.8  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

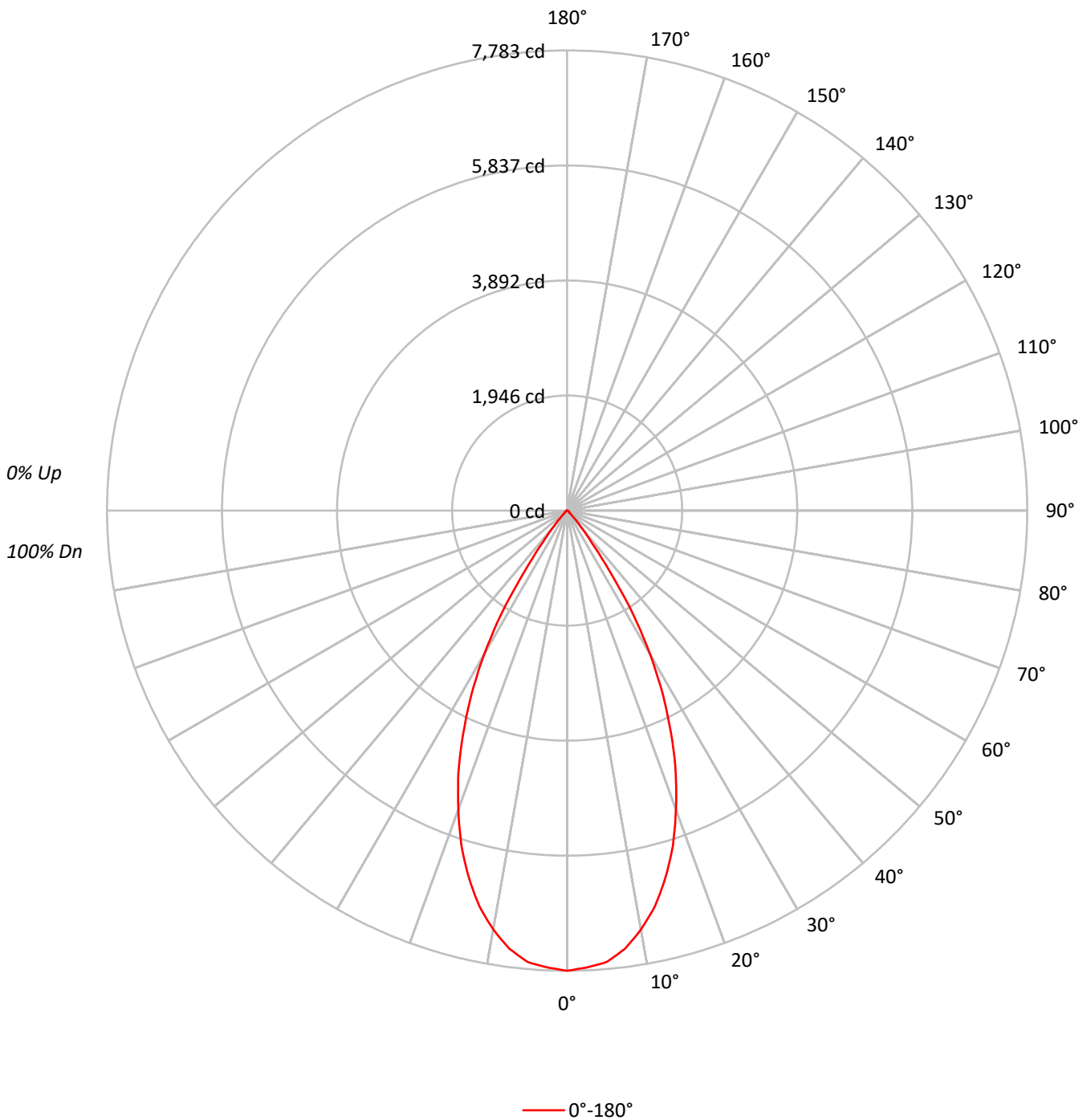
Input Watts (W): 73.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	92	90	88
3	104	98	93	89	102	96	92	88	94	90	87	91	88	86	89	87	84	83
4	99	92	87	83	97	91	86	82	89	85	81	87	83	80	85	82	79	78
5	94	87	81	77	93	86	81	77	84	80	76	82	78	75	81	77	75	73
6	90	82	76	72	89	81	76	72	80	75	72	78	74	71	77	73	71	69
7	86	78	72	68	85	77	72	68	76	71	67	74	70	67	73	70	67	65
8	82	74	68	64	81	73	68	64	72	67	64	71	67	63	70	66	63	62
9	79	70	64	61	78	69	64	61	68	64	60	68	63	60	67	63	60	59
10	76	66	61	57	75	66	61	57	65	61	57	65	60	57	64	60	57	56

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

	0°
0°	557284
5°	550982
10°	523072
15°	476352
20°	409956
25°	328435
30°	231715
35°	107322
40°	34902
45°	11149
50°	5336
55°	4781
60°	4454
65°	4049
70°	3999
75°	5284
80°	5938
85°	9858



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	716.3	13.2
10°-20°	1782.1	32.9
20°-30°	1880.8	34.7
30°-40°	841.6	15.5
40°-50°	110.2	2.0
50°-60°	34.0	0.6
60°-70°	24.0	0.4
70°-80°	19.0	0.3
80°-90°	11.1	0.2
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°	4379.2	80.8
0°-40°	5220.8	96.3
0°-60°	5365.0	99.0
0°-90°	5419.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5419.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	7783	
5°	7666	716
15°	6426	1782
25°	4157	1881
35°	1228	842
45°	110	110
55°	38	34
65°	24	24
75°	19	19
85°	12	11
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	7783.1
2.5°	7732.8
5°	7665.8
7.5°	7476.7
10°	7194.3
12.5°	6856.9
15°	6426.1
17.5°	5947.4
20°	5380.2
22.5°	4803.4
25°	4157.2
27.5°	3503.8
30°	2802.6
32.5°	2077.4
35°	1227.8
37.5°	667.7
40°	373.4
42.5°	208.2
45°	110.1
47.5°	57.4
50°	47.9
52.5°	40.7
55°	38.3
57.5°	33.5
60°	31.1
62.5°	26.3
65°	23.9
67.5°	21.5
70°	19.1
72.5°	19.1
75°	19.1
77.5°	16.8
80°	14.4
82.5°	14.4
85°	12.0
87.5°	7.2
90°	0.0

(END OF REPORT)