

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: P365134

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8040-F6LBXVM1-LI-BTR85**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365134  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-24)  
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-LI-BTR85  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM POLYCARBONATE, CLEAR 0.187", 7000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5432.0 lumens  
Efficiency: N/A  
Efficacy: 74.0 lumens/watt  
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.77  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

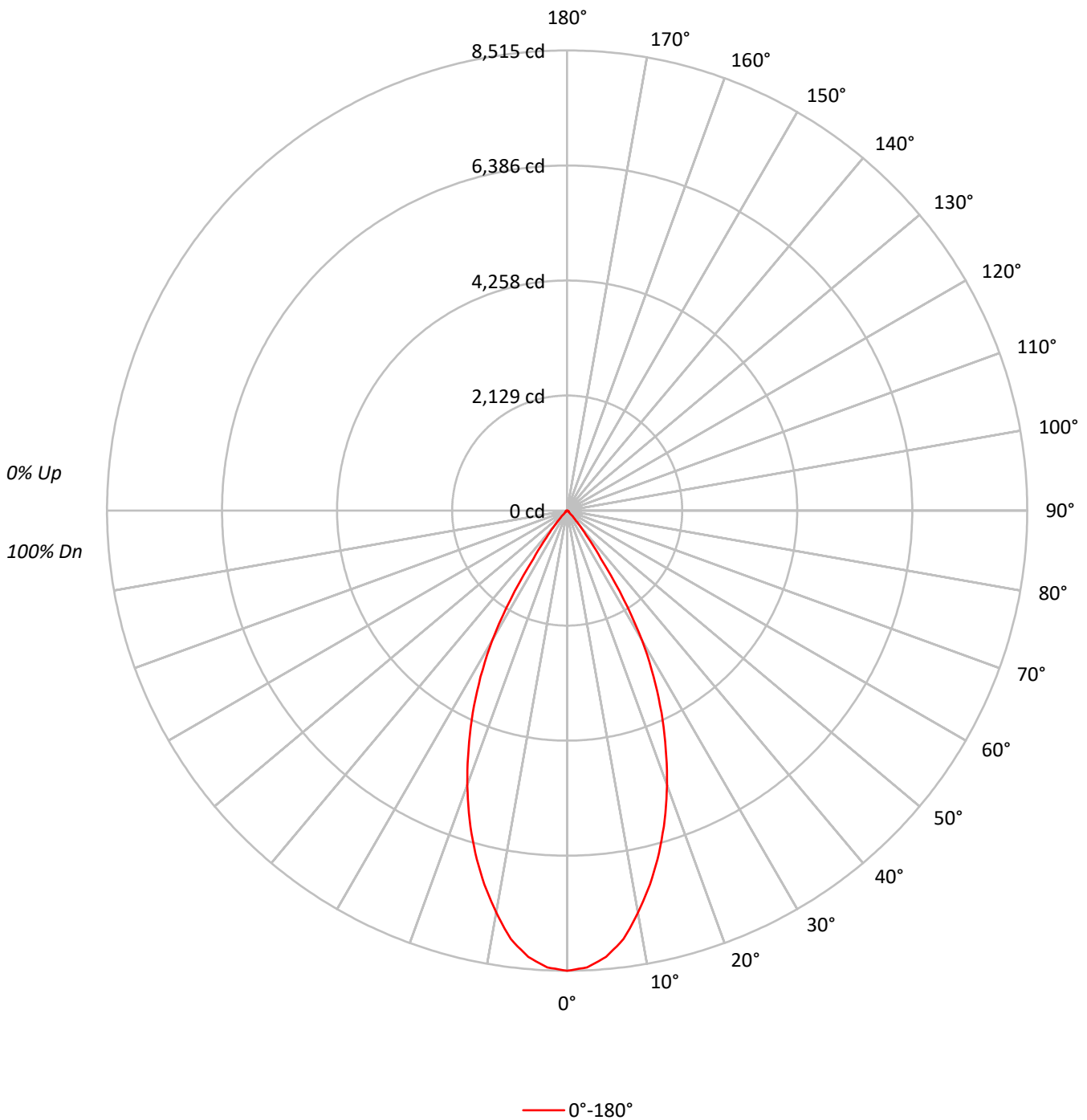
Input Watts (W): 73.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	107	102	99	96	99	96	94	96	94	92	94	92	90	89
3	104	98	93	90	102	97	92	89	94	90	87	92	89	86	89	87	85	83
4	99	92	87	83	97	91	86	83	89	85	82	87	84	81	85	82	80	78
5	95	87	82	78	93	86	81	77	84	80	77	83	79	76	81	78	75	74
6	91	82	77	73	89	82	76	73	80	76	72	79	75	72	78	74	71	70
7	87	78	73	69	85	77	72	69	76	72	68	75	71	68	74	70	68	66
8	83	74	69	65	82	74	68	65	73	68	65	72	67	64	71	67	64	63
9	79	71	65	62	78	70	65	61	69	65	61	68	64	61	68	64	61	60
10	76	67	62	58	75	67	62	58	66	61	58	65	61	58	65	61	58	57

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

	0°
0°	609675
5°	595782
10°	549246
15°	486470
20°	411861
25°	326294
30°	229301
35°	95504
40°	32770
45°	8749
50°	4812
55°	4494
60°	4124
65°	4066
70°	4020
75°	4648
80°	5938
85°	9858



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	768.2	14.1
10°-20°	1820.6	33.5
20°-30°	1869.0	34.4
30°-40°	791.4	14.6
40°-50°	97.3	1.8
50°-60°	32.2	0.6
60°-70°	23.8	0.4
70°-80°	18.4	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°	4457.8	82.1
0°-40°	5249.2	96.6
0°-60°	5378.7	99.0
0°-90°	5432.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5432.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	8515	
5°	8289	768
15°	6563	1821
25°	4130	1869
35°	1093	791
45°	86	97
55°	36	32
65°	24	24
75°	17	18
85°	12	11
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	8514.8
2.5°	8459.5
5°	8289.1
7.5°	7996.1
10°	7554.3
12.5°	7083.6
15°	6562.6
17.5°	6003.1
20°	5405.2
22.5°	4768.9
25°	4130.1
27.5°	3469.8
30°	2773.4
32.5°	1954.6
35°	1092.6
37.5°	626.7
40°	350.6
42.5°	184.9
45°	86.4
47.5°	50.4
50°	43.2
52.5°	38.4
55°	36.0
57.5°	33.6
60°	28.8
62.5°	26.4
65°	24.0
67.5°	21.6
70°	19.2
72.5°	19.2
75°	16.8
77.5°	16.8
80°	14.4
82.5°	14.4
85°	12.0
87.5°	7.2
90°	0.0

(END OF REPORT)