

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: P365121

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365121  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-27)  
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-LI-BTR94  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM GLASS, TEMPERED CLEAR 0.187", 7000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5532.0 lumens  
Efficiency: N/A  
Efficacy: 75.4 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

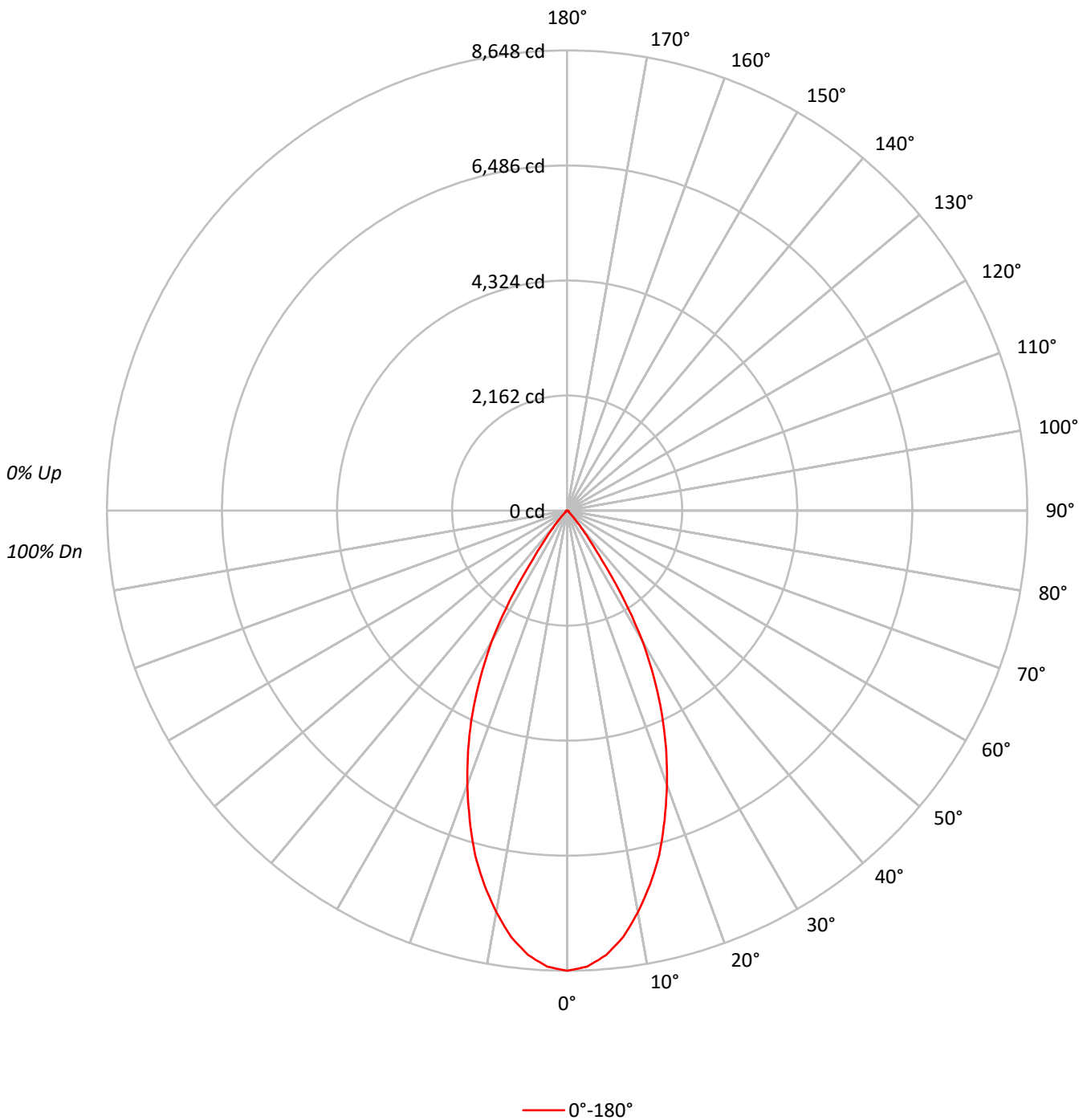
Input Watts (W): 73.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	88
3	104	98	93	90	102	96	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	77	74	71	70
7	87	78	73	69	85	77	72	68	76	72	68	75	71	68	74	70	67	66
8	83	74	69	65	82	74	68	65	73	68	64	72	67	64	71	67	64	63
9	79	71	65	61	78	70	65	61	69	64	61	68	64	61	67	64	61	59
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°	619206
5°	602811
10°	557208
15°	496048
20°	417766
25°	332907
30°	233187
35°	98782
40°	34462
45°	9458
50°	4801
55°	4482
60°	4454
65°	4049
70°	4020
75°	5312
80°	6927
85°	9858



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	777.6	14.1
10°-20°	1850.0	33.4
20°-30°	1903.0	34.4
30°-40°	812.8	14.7
40°-50°	101.5	1.8
50°-60°	32.4	0.6
60°-70°	24.0	0.4
70°-80°	19.3	0.3
80°-90°	11.4	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°	4530.6	81.9
0°-40°	5343.4	96.6
0°-60°	5477.3	99.0
0°-90°	5532.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5532.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	8648	
5°	8387	778
15°	6692	1850
25°	4214	1903
35°	1130	813
45°	93	101
55°	36	32
65°	24	24
75°	19	19
85°	12	11
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	8647.9
2.5°	8578.4
5°	8386.9
7.5°	8080.4
10°	7663.8
12.5°	7199.4
15°	6691.8
17.5°	6088.5
20°	5482.7
22.5°	4860.2
25°	4213.8
27.5°	3531.4
30°	2820.4
32.5°	2003.9
35°	1130.1
37.5°	646.4
40°	368.7
42.5°	191.5
45°	93.4
47.5°	50.3
50°	43.1
52.5°	38.3
55°	35.9
57.5°	33.5
60°	31.1
62.5°	26.3
65°	23.9
67.5°	21.5
70°	19.2
72.5°	19.2
75°	19.2
77.5°	16.8
80°	16.8
82.5°	14.4
85°	12.0
87.5°	7.2
90°	0.0

(END OF REPORT)