

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: P365080

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8027-F6LBXVM1-LI-BTR85**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365080  
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-FEU6B67-8027-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: 5040.0 lumens  
Efficiency: N/A  
Efficacy: 68.7 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

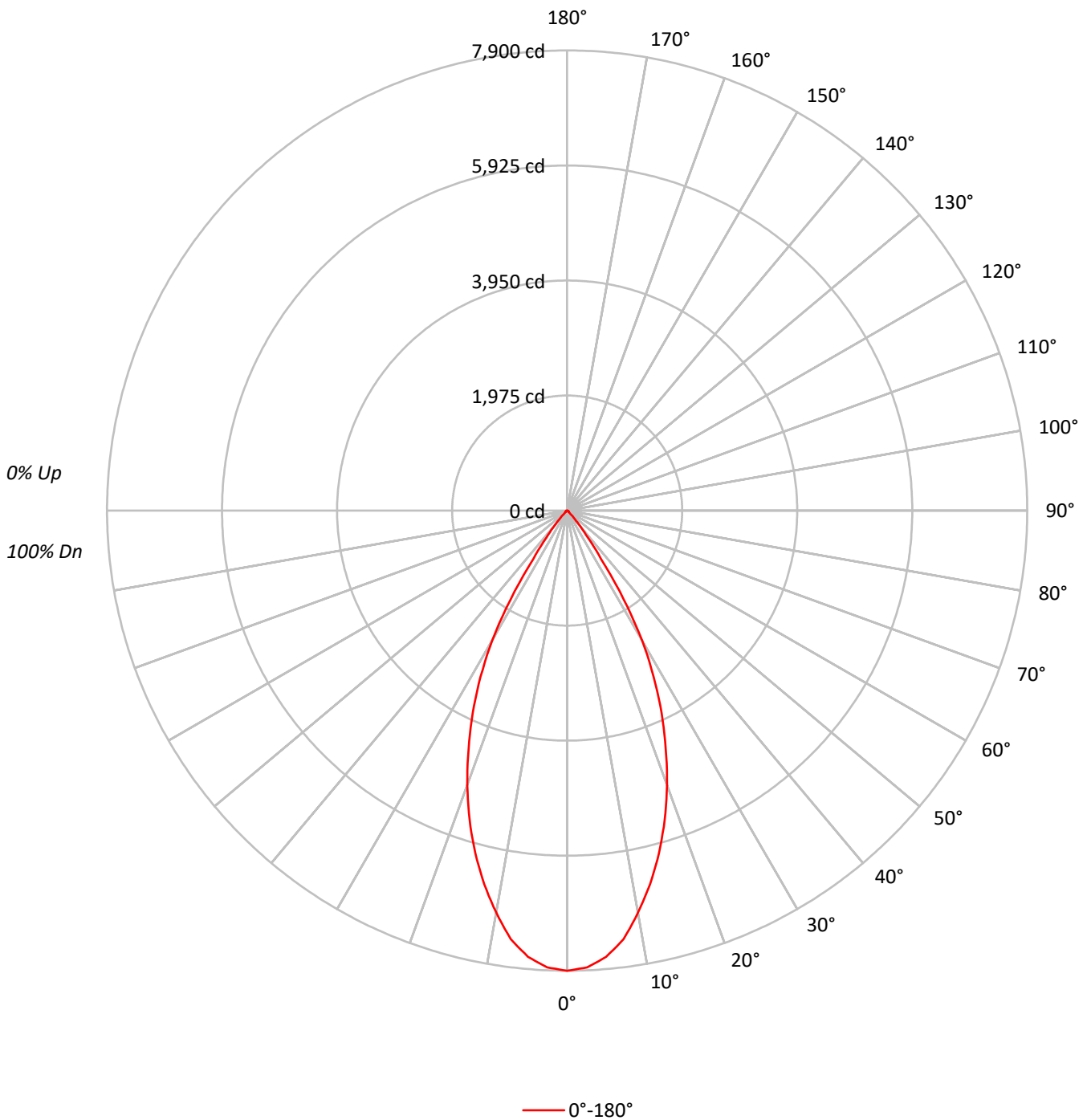
Input Watts (W): 73.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	565676
5°	552786
10°	509607
15°	451364
20°	382136
25°	302751
30°	212757
35°	88607
40°	30406
45°	8121
50°	4467
55°	4169
60°	3824
65°	3778
70°	3726
75°	4316
80°	5525
85°	9119



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	712.7	14.1
10°-20°	1689.2	33.5
20°-30°	1734.1	34.4
30°-40°	734.3	14.6
40°-50°	90.3	1.8
50°-60°	29.9	0.6
60°-70°	22.1	0.4
70°-80°	17.1	0.3
80°-90°	10.3	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°	4136.1	82.1
0°-40°	4870.4	96.6
0°-60°	4990.6	99.0
0°-90°	5040.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5040.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	7900	
5°	7691	713
15°	6089	1689
25°	3832	1734
35°	1014	734
45°	80	90
55°	33	30
65°	22	22
75°	16	17
85°	11	10
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	7900.3
2.5°	7849.1
5°	7690.9
7.5°	7419.1
10°	7009.1
12.5°	6572.5
15°	6089.0
17.5°	5569.9
20°	5015.1
22.5°	4424.7
25°	3832.1
27.5°	3219.4
30°	2573.3
32.5°	1813.6
35°	1013.7
37.5°	581.5
40°	325.3
42.5°	171.6
45°	80.2
47.5°	46.8
50°	40.1
52.5°	35.6
55°	33.4
57.5°	31.2
60°	26.7
62.5°	24.5
65°	22.3
67.5°	20.1
70°	17.8
72.5°	17.8
75°	15.6
77.5°	15.6
80°	13.4
82.5°	13.4
85°	11.1
87.5°	6.7
90°	0.0

(END OF REPORT)