

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: P366560

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8035-F6LBXVM1-WMH-BTR89BV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366560  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-28)  
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-BTR89BV  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,  
BOTTOM TRIM ACRYLIC, CLEAR 0.125", 7000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5565.1 lumens  
Efficiency: N/A  
Efficacy: 75.8 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

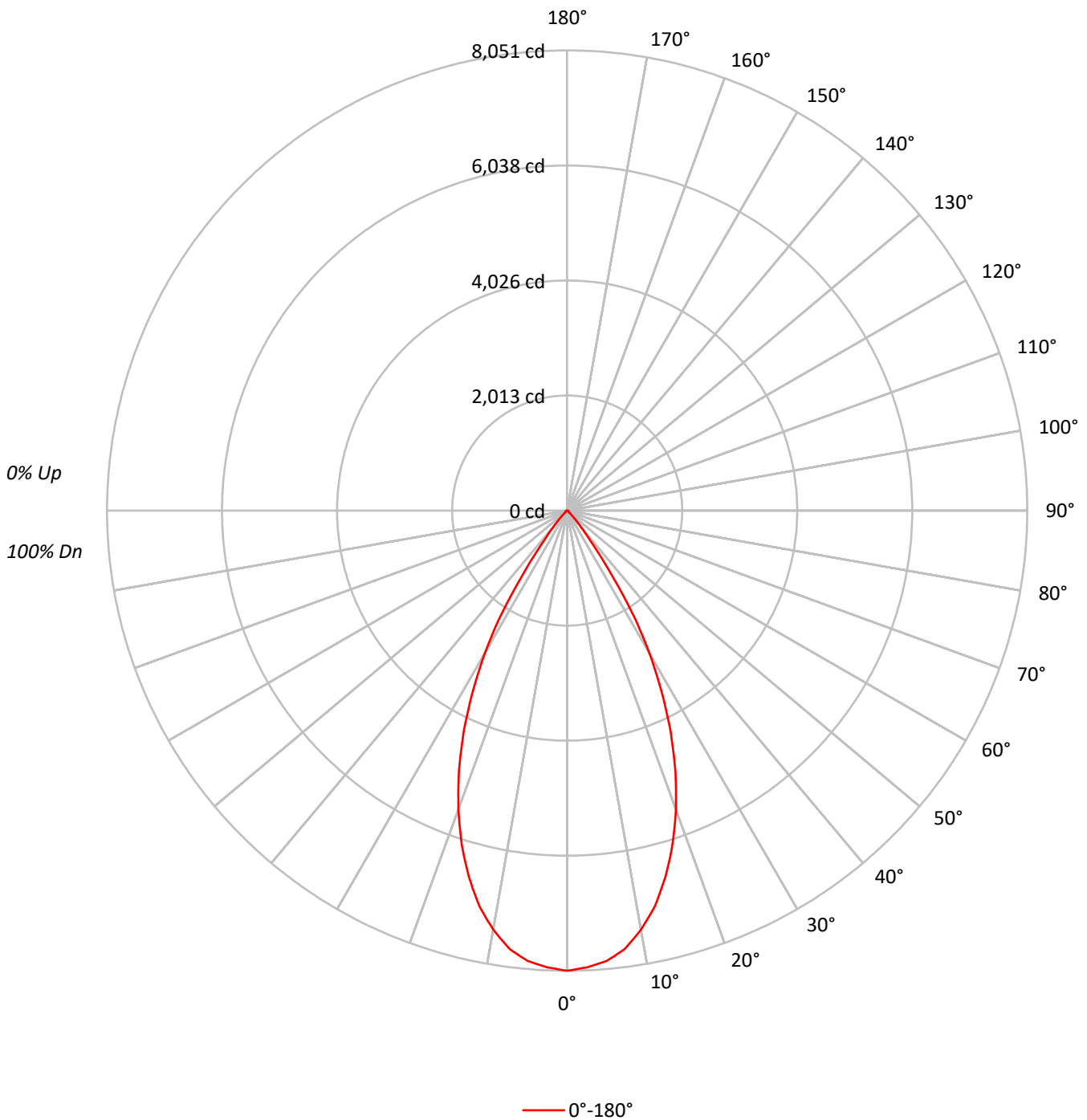
Input Watts (W): 73.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	89	94	90	87	91	88	86	89	87	85	83
4	99	92	87	83	97	91	86	82	89	85	81	87	83	80	85	82	80	78
5	94	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	74
6	90	82	76	72	89	81	76	72	80	75	72	78	74	71	77	74	71	69
7	86	78	72	68	85	77	72	68	76	71	68	75	70	67	74	70	67	66
8	82	74	68	64	81	73	68	64	72	67	64	71	67	64	70	66	63	62
9	79	70	65	61	78	70	64	61	69	64	61	68	63	60	67	63	60	59
10	76	67	61	58	75	66	61	58	65	61	57	65	60	57	64	60	57	56

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

	0°
0°	576445
5°	568663
10°	541299
15°	492082
20°	423732
25°	338729
30°	237511
35°	110486
40°	34902
45°	10906
50°	4801
55°	4482
60°	4110
65°	3643
70°	4020
75°	4648
80°	5938
85°	9858



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	740.6	13.3
10°-20°	1840.7	33.1
20°-30°	1935.1	34.8
30°-40°	858.5	15.4
40°-50°	107.4	1.9
50°-60°	32.1	0.6
60°-70°	22.5	0.4
70°-80°	17.8	0.3
80°-90°	10.5	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°	4516.4	81.2
0°-40°	5374.9	96.6
0°-60°	5514.4	99.1
0°-90°	5565.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5565.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	8051	
5°	7912	741
15°	6638	1841
25°	4288	1935
35°	1264	859
45°	108	107
55°	36	32
65°	22	22
75°	17	18
85°	12	10
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	8050.7
2.5°	7998.0
5°	7911.8
7.5°	7734.7
10°	7445.0
12.5°	7090.7
15°	6638.3
17.5°	6128.4
20°	5561.0
22.5°	4945.8
25°	4287.5
27.5°	3588.4
30°	2872.7
32.5°	2113.8
35°	1264.0
37.5°	672.7
40°	373.4
42.5°	203.5
45°	107.7
47.5°	52.7
50°	43.1
52.5°	38.3
55°	35.9
57.5°	33.5
60°	28.7
62.5°	26.3
65°	21.5
67.5°	19.2
70°	19.2
72.5°	16.8
75°	16.8
77.5°	16.8
80°	14.4
82.5°	12.0
85°	12.0
87.5°	7.2
90°	0.0

(END OF REPORT)