

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: P366549

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8035-F6LBXVM1-WMH-BL89AM**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366549  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-48)  
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-BL89AM  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, WARM HAZE REFLECTOR, BOTTOM LENS POLYCARBONATE, OPAL SMOOTH 0.125", 7000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2671.0 lumens  
Efficiency: N/A  
Efficacy: 36.4 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.38  
Luminous Opening: Circular (Dia: 0.71' x H: 0')  
CIE Type: Direct

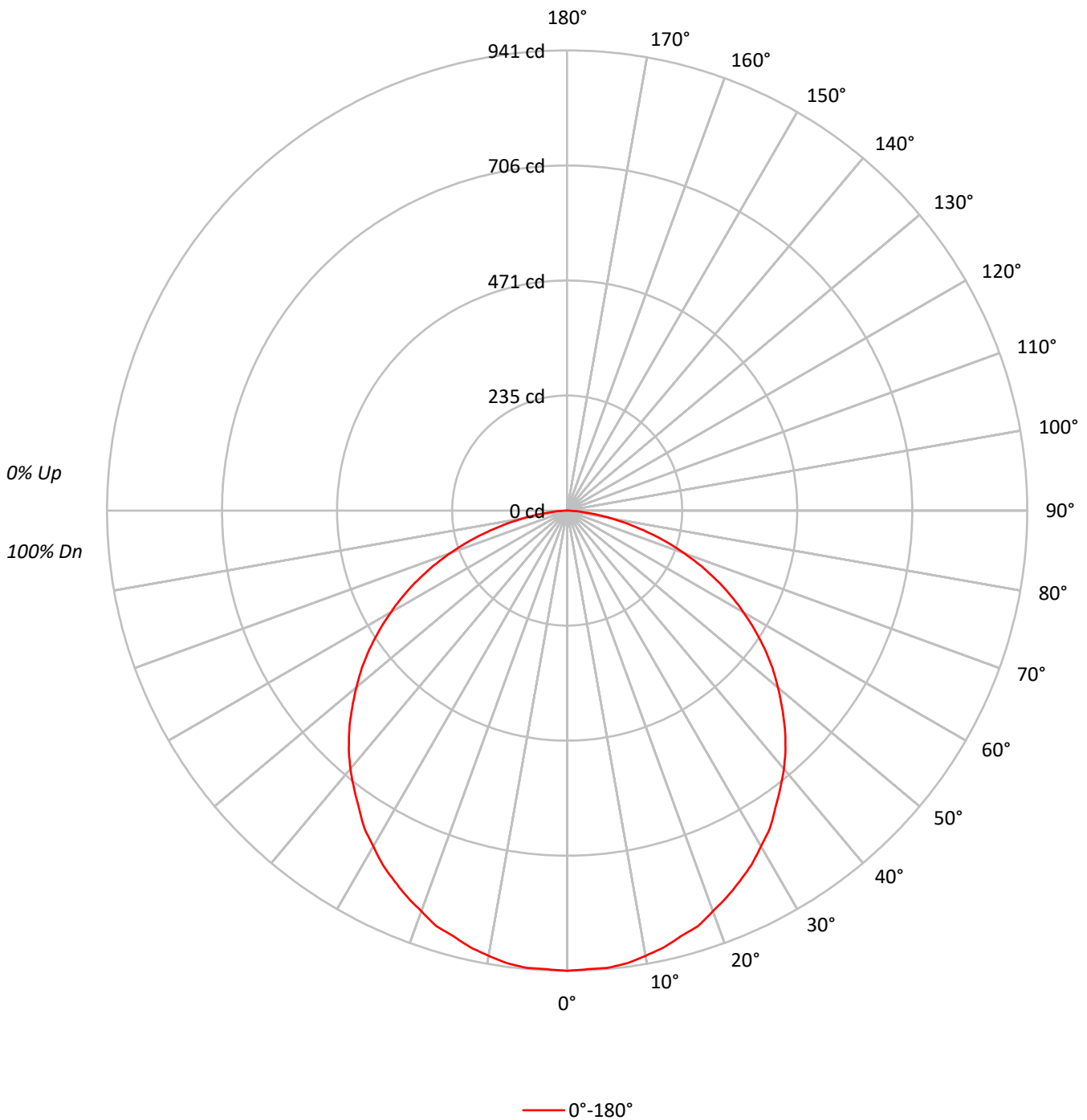
Input Watts (W): 73.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	109	104	100	96	106	102	98	95	98	94	92		94	91	89		90	88	86	84
2	99	91	84	78	96	89	83	77	85	80	75		82	78	74		79	75	72	70
3	90	80	71	65	88	78	70	64	75	69	63		72	67	62		70	65	61	59
4	83	70	62	55	80	69	61	55	67	59	54		64	58	53		62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	46		58	51	46		56	50	45	43
6	70	57	48	41	68	56	47	41	54	46	41		52	45	40		51	45	40	38
7	65	51	42	36	63	50	42	36	49	41	36		47	41	36		46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32		43	37	32		42	36	32	30
9	56	43	35	29	55	42	34	29	41	34	29		40	33	29		39	33	29	27
10	53	40	32	26	52	39	31	26	38	31	26		37	31	26		36	30	26	24

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

	0°
0°	25709
5°	25742
10°	25640
15°	25465
20°	25339
25°	25190
30°	25003
35°	24756
40°	24593
45°	24333
50°	23916
55°	23492
60°	22765
65°	21827
70°	20278
75°	17941
80°	14315
85°	8243



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	89.1	3.3
10°-20°	254.7	9.5
20°-30°	385.4	14.4
30°-40°	465.3	17.4
40°-50°	485.3	18.2
50°-60°	440.0	16.5
60°-70°	333.6	12.5
70°-80°	180.5	6.8
80°-90°	37.1	1.4
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°	729.2	27.3
0°-40°	1194.5	44.7
0°-60°	2119.8	79.4
0°-90°	2671.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2671.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	941	
5°	939	89
15°	900	255
25°	836	385
35°	742	465
45°	630	485
55°	493	440
65°	338	334
75°	170	180
85°	26	37
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	941.2
2.5°	938.8
5°	938.8
7.5°	934.0
10°	924.4
12.5°	914.9
15°	900.5
17.5°	890.9
20°	871.7
22.5°	855.0
25°	835.8
27.5°	816.7
30°	792.7
32.5°	771.2
35°	742.4
37.5°	716.1
40°	689.7
42.5°	661.0
45°	629.9
47.5°	596.3
50°	562.8
52.5°	529.3
55°	493.3
57.5°	455.0
60°	416.7
62.5°	378.4
65°	337.7
67.5°	297.0
70°	253.9
72.5°	213.1
75°	170.0
77.5°	129.3
80°	91.0
82.5°	57.5
85°	26.3
87.5°	7.2
90°	0.0

(END OF REPORT)