

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: P366513

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8027-F6LBXVM1-WMH-BL89AM**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366513  
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-FEU6B67-8027-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: 2505.0 lumens  
Efficiency: N/A  
Efficacy: 34.1 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

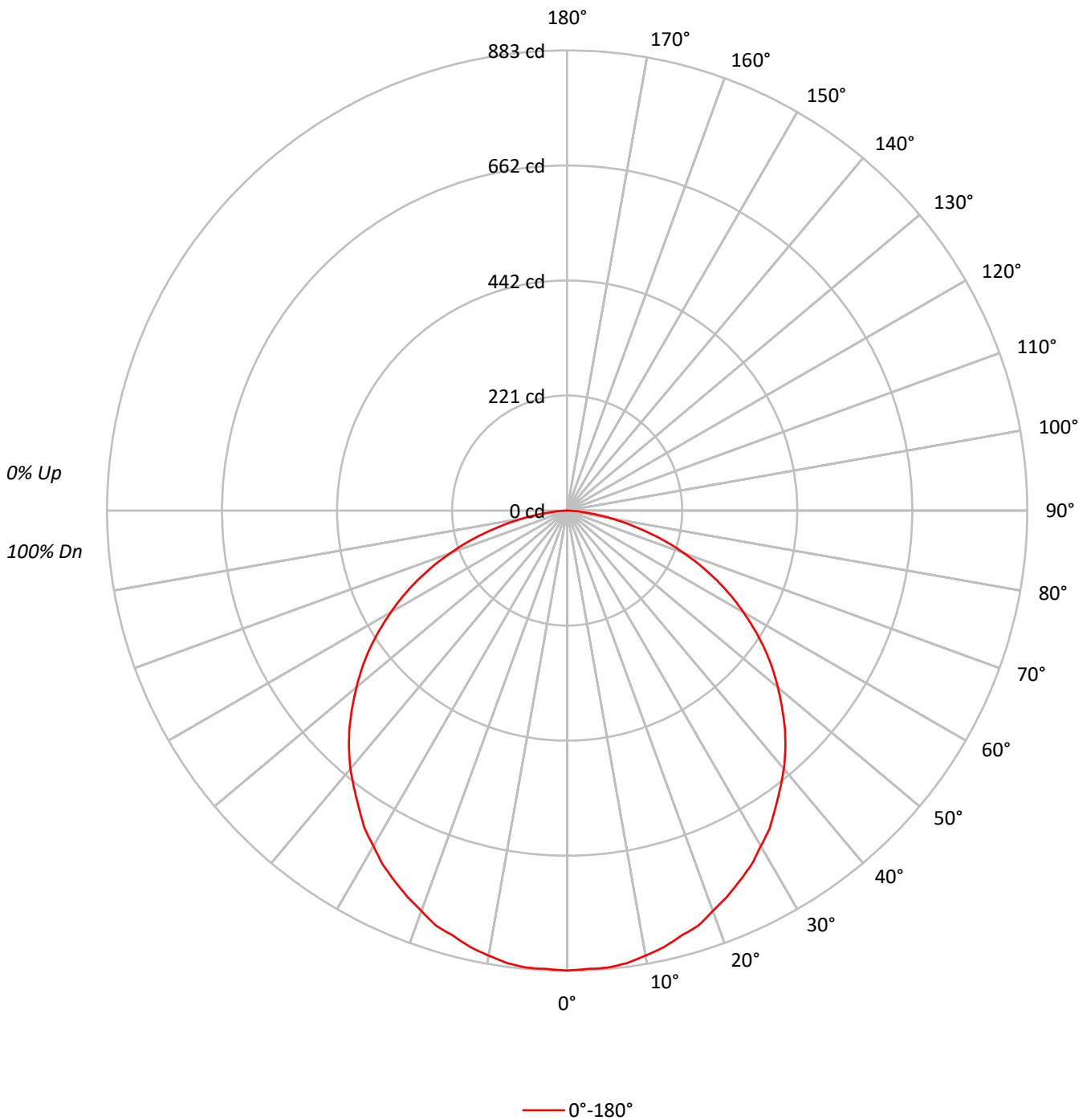
Input Watts (W): 73.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	24111
5°	24143
10°	24048
15°	23881
20°	23766
25°	23626
30°	23448
35°	23219
40°	23067
45°	22819
50°	22429
55°	22035
60°	21350
65°	20469
70°	19016
75°	16833
80°	13434
85°	7741



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	83.6	3.3
10°-20°	238.9	9.5
20°-30°	361.4	14.4
30°-40°	436.4	17.4
40°-50°	455.1	18.2
50°-60°	412.7	16.5
60°-70°	312.8	12.5
70°-80°	169.3	6.8
80°-90°	34.8	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°	683.9	27.3
0°-40°	1120.3	44.7
0°-60°	1988.1	79.4
0°-90°	2505.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2505.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	883	
5°	880	84
15°	844	239
25°	784	361
35°	696	436
45°	591	455
55°	463	413
65°	317	313
75°	160	169
85°	25	35
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	882.7
2.5°	880.5
5°	880.5
7.5°	876.0
10°	867.0
12.5°	858.0
15°	844.5
17.5°	835.5
20°	817.6
22.5°	801.8
25°	783.9
27.5°	765.9
30°	743.4
32.5°	723.2
35°	696.3
37.5°	671.6
40°	646.9
42.5°	619.9
45°	590.7
47.5°	559.3
50°	527.8
52.5°	496.4
55°	462.7
57.5°	426.8
60°	390.8
62.5°	354.9
65°	316.7
67.5°	278.5
70°	238.1
72.5°	199.9
75°	159.5
77.5°	121.3
80°	85.4
82.5°	53.9
85°	24.7
87.5°	6.7
90°	0.0

(END OF REPORT)