

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: P365847

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8040-F6LBXVM1-MW-BL89AM**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365847  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-40)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX70D010TE-FEU6B67-8040-F6LBXVM1-MW-BL89AM  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, OPAL SMOOTH 0.125", 7000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2455.1 lumens  
Efficiency: N/A  
Efficacy: 33.4 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37  
Luminous Opening: Circular (Dia: 0.71' x H: 0')  
CIE Type: Direct

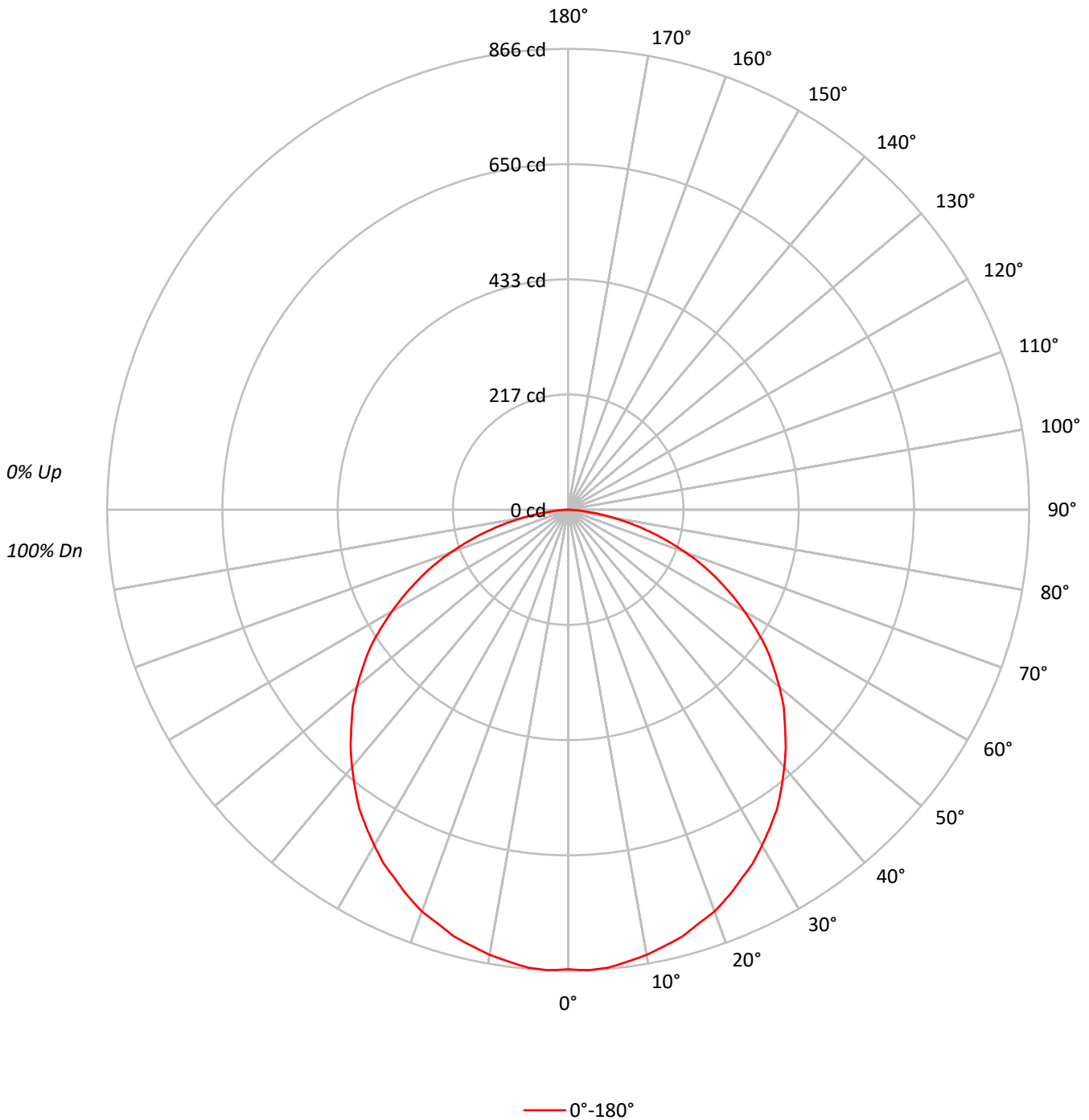
Input Watts (W): 73.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	82	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°	23595
5°	23685
10°	23554
15°	23469
20°	23351
25°	23117
30°	22971
35°	22832
40°	22518
45°	22243
50°	22004
55°	21664
60°	20885
65°	20017
70°	18744
75°	16601
80°	13324
85°	7584



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	81.9	3.3
10°-20°	234.0	9.5
20°-30°	354.1	14.4
30°-40°	427.4	17.4
40°-50°	445.0	18.1
50°-60°	404.8	16.5
60°-70°	306.2	12.5
70°-80°	167.1	6.8
80°-90°	34.5	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°	670.0	27.3
0°-40°	1097.5	44.7
0°-60°	1947.2	79.3
0°-90°	2455.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2455.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	864	
5°	864	82
15°	830	234
25°	767	354
35°	685	427
45°	576	445
55°	455	405
65°	310	306
75°	157	167
85°	24	35
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	863.8
2.5°	866.2
5°	863.8
7.5°	856.5
10°	849.2
12.5°	839.6
15°	829.9
17.5°	815.4
20°	803.3
22.5°	786.3
25°	767.0
27.5°	750.0
30°	728.3
32.5°	706.5
35°	684.7
37.5°	658.1
40°	631.5
42.5°	604.9
45°	575.8
47.5°	549.2
50°	517.8
52.5°	486.3
55°	454.9
57.5°	418.6
60°	382.3
62.5°	346.0
65°	309.7
67.5°	273.4
70°	234.7
72.5°	196.0
75°	157.3
77.5°	121.0
80°	84.7
82.5°	53.2
85°	24.2
87.5°	7.3
90°	0.0

(END OF REPORT)