

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: P365860

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365860  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-5)  
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  
Description: VANDAL RESISTANT OPEN, MATTE WHITE REFLECTOR, 7000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6219.0 lumens  
Efficiency: N/A  
Efficacy: 84.7 lumens/watt  
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.94  
Luminous Opening: Circular (Dia: 0.71' x H: 0')  
CIE Type: Direct

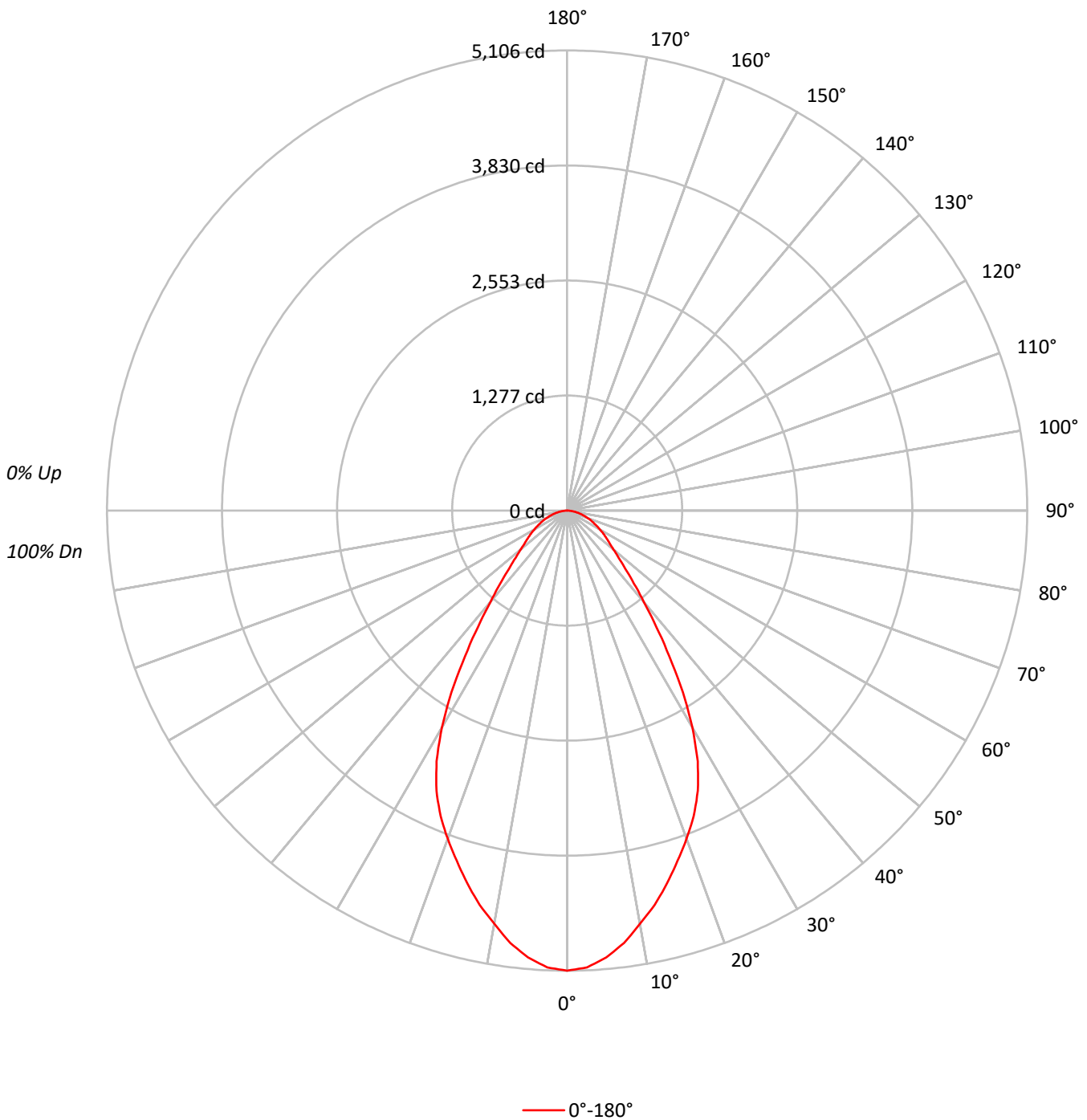
Input Watts (W): 73.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	89
2	104	98	93	88	102	96	91	87	93	89	85	89	86	83	87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76	82	78	74	80	76	73	71
4	91	81	75	69	89	80	74	69	78	72	68	76	71	67	74	70	66	64
5	85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60	59
6	80	69	62	57	78	68	61	56	67	61	56	65	60	56	64	59	55	54
7	75	64	57	52	74	63	57	52	62	56	51	61	55	51	60	55	51	49
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45
9	67	56	49	44	66	55	49	44	54	48	44	53	48	44	52	47	44	42
10	64	52	46	41	63	52	45	41	51	45	41	50	45	41	49	44	41	39

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

	0°
0°	139458
5°	136448
10°	129092
15°	121093
20°	112657
25°	103413
30°	87633
35°	65825
40°	47232
45°	35331
50°	28472
55°	25264
60°	22961
65°	21045
70°	19255
75°	17635
80°	15715
85°	12944



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	464.9	7.5
10°-20°	1200.6	19.3
20°-30°	1554.9	25.0
30°-40°	1244.6	20.0
40°-50°	725.8	11.7
50°-60°	478.3	7.7
60°-70°	324.6	5.2
70°-80°	177.6	2.9
80°-90°	47.8	0.8
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°	3220.3	51.8
0°-40°	4464.9	71.8
0°-60°	5669.0	91.2
0°-90°	6219.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6219.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5106	
5°	4976	465
15°	4282	1201
25°	3431	1555
35°	1974	1245
45°	915	726
55°	530	478
65°	326	325
75°	167	178
85°	41	48
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	5105.5
2.5°	5072.7
5°	4976.3
7.5°	4838.5
10°	4654.2
12.5°	4481.9
15°	4282.1
17.5°	4073.7
20°	3875.6
22.5°	3668.9
25°	3431.2
27.5°	3136.7
30°	2778.4
32.5°	2390.8
35°	1974.0
37.5°	1624.3
40°	1324.6
42.5°	1097.2
45°	914.6
47.5°	775.1
50°	670.0
52.5°	590.8
55°	530.5
57.5°	475.4
60°	420.3
62.5°	372.1
65°	325.6
67.5°	284.2
70°	241.1
72.5°	203.3
75°	167.1
77.5°	132.6
80°	99.9
82.5°	68.9
85°	41.3
87.5°	15.5
90°	0.0

(END OF REPORT)