

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: P366551

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8035-F6LBXVM1-WMH-BL89BW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366551  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-46)  
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-BL89BW  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, WARM HAZE REFLECTOR, BOTTOM LENS ACRYLIC OPAL SMOOTH, CLEAR 0.125", 7000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4828.0 lumens  
Efficiency: N/A  
Efficacy: 65.8 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.36  
Luminous Opening: Circular (Dia: 0.71' x H: 0')  
CIE Type: Direct

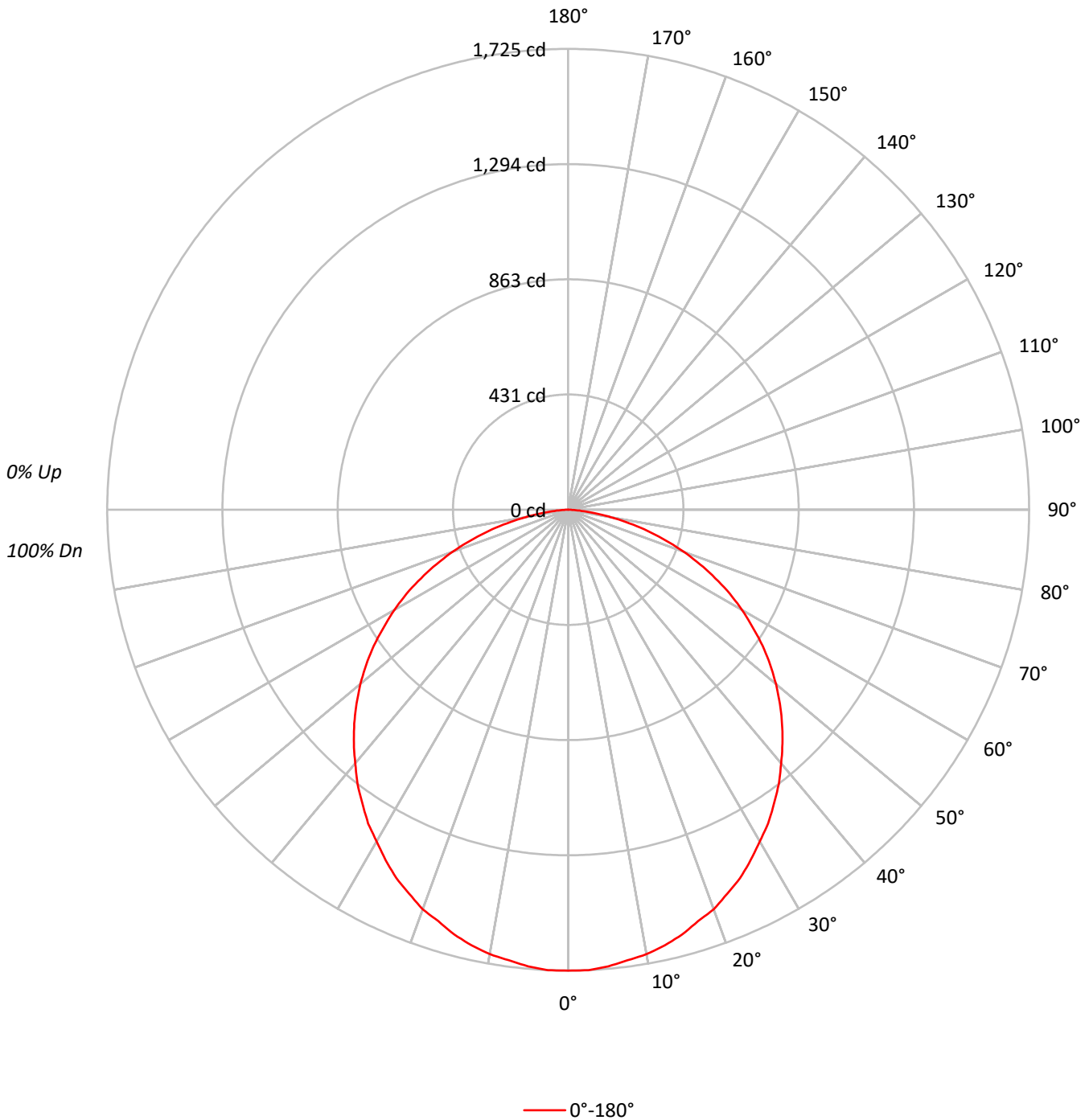
Input Watts (W): 73.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	76	82	78	74	79	75	72	70
3	90	80	72	65	88	78	71	64	75	69	63	72	67	62	70	65	61	59
4	83	71	62	55	80	69	61	55	67	60	54	64	58	53	62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	47	58	51	46	56	50	46	43
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	51	45	40	38
7	65	51	43	36	63	51	42	36	49	41	36	48	41	36	46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32	44	37	32	42	36	32	30
9	56	43	35	29	55	42	35	29	41	34	29	40	34	29	39	33	29	27
10	53	40	32	26	52	39	32	26	38	31	26	37	31	26	36	30	26	24

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

	0°
0°	47130
5°	47047
10°	46861
15°	46558
20°	46259
25°	45872
30°	45214
35°	44767
40°	44201
45°	43725
50°	43120
55°	42279
60°	41049
65°	39284
70°	36698
75°	32580
80°	25971
85°	15764



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	162.9	3.4
10°-20°	464.3	9.6
20°-30°	700.2	14.5
30°-40°	840.4	17.4
40°-50°	872.9	18.1
50°-60°	792.1	16.4
60°-70°	600.9	12.4
70°-80°	326.4	6.8
80°-90°	68.0	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°	1327.3	27.5
0°-40°	2167.7	44.9
0°-60°	3832.7	79.4
0°-90°	4828.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4828.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1725	
5°	1716	163
15°	1646	464
25°	1522	700
35°	1342	840
45°	1132	873
55°	888	792
65°	608	601
75°	309	326
85°	50	68
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1725.4
2.5°	1725.4
5°	1715.8
7.5°	1701.5
10°	1689.5
12.5°	1670.4
15°	1646.4
17.5°	1615.3
20°	1591.4
22.5°	1555.5
25°	1522.0
27.5°	1478.9
30°	1433.5
32.5°	1392.8
35°	1342.5
37.5°	1294.7
40°	1239.6
42.5°	1187.0
45°	1131.9
47.5°	1074.5
50°	1014.7
52.5°	952.5
55°	887.8
57.5°	818.4
60°	751.4
62.5°	682.0
65°	607.8
67.5°	533.7
70°	459.5
72.5°	382.9
75°	308.7
77.5°	234.5
80°	165.1
82.5°	102.9
85°	50.3
87.5°	14.4
90°	0.0

(END OF REPORT)