

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: P366533

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8030-F6LBXVM1-WMH-BL89BW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366533  
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-FEU6B67-8030-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: 4733.0 lumens  
Efficiency: N/A  
Efficacy: 64.5 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

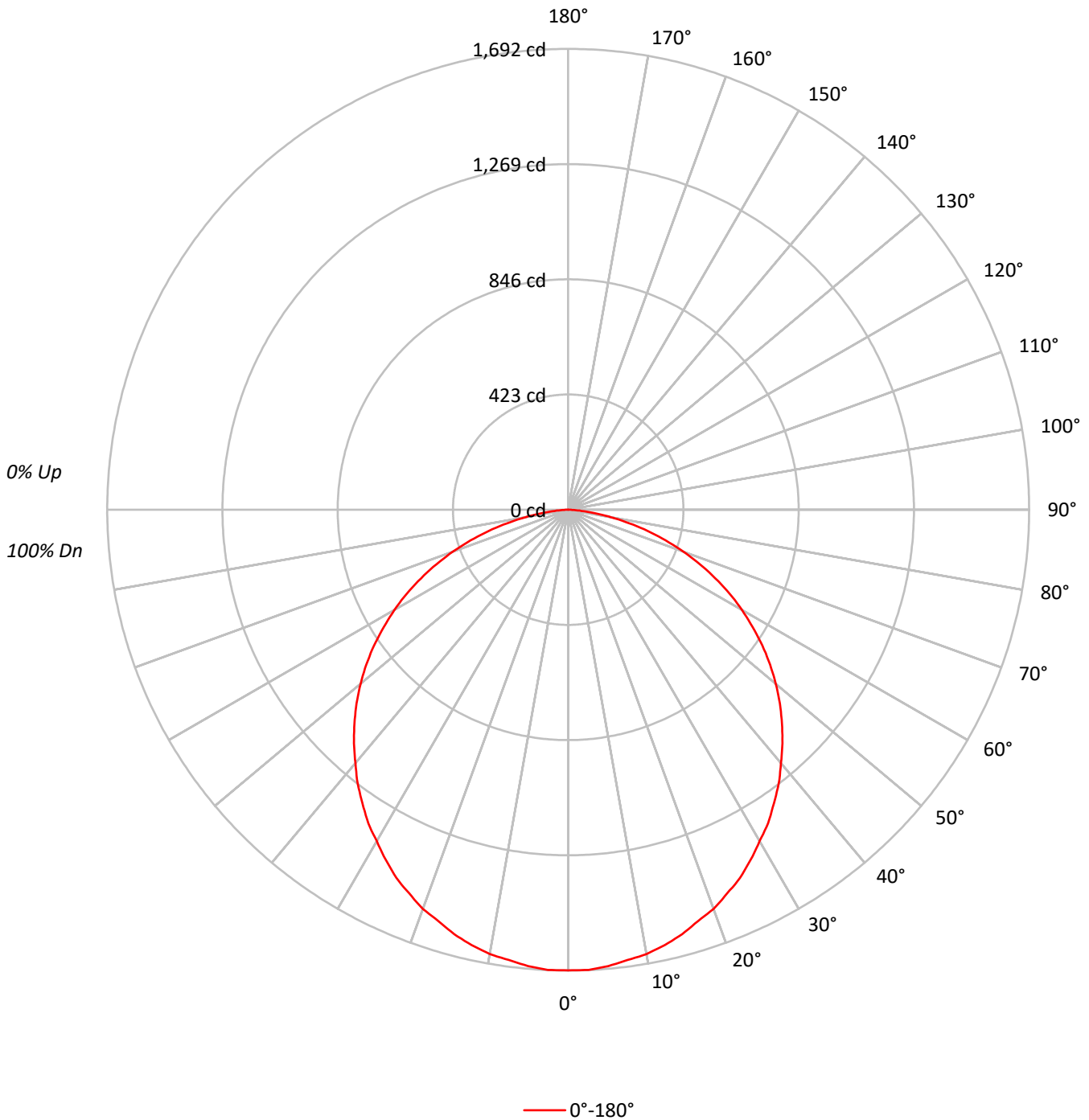
Input Watts (W): 73.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	46204
5°	46123
10°	45940
15°	45645
20°	45349
25°	44970
30°	44324
35°	43886
40°	43331
45°	42867
50°	42270
55°	41451
60°	40241
65°	38515
70°	35971
75°	31936
80°	25467
85°	15451



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	159.7	3.4
10°-20°	455.2	9.6
20°-30°	686.4	14.5
30°-40°	823.9	17.4
40°-50°	855.7	18.1
50°-60°	776.5	16.4
60°-70°	589.1	12.4
70°-80°	320.0	6.8
80°-90°	66.7	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°	1301.2	27.5
0°-40°	2125.1	44.9
0°-60°	3757.3	79.4
0°-90°	4733.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4733.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1692	
5°	1682	160
15°	1614	455
25°	1492	686
35°	1316	824
45°	1110	856
55°	870	777
65°	596	589
75°	303	320
85°	49	67
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1691.5
2.5°	1691.5
5°	1682.1
7.5°	1668.0
10°	1656.3
12.5°	1637.5
15°	1614.1
17.5°	1583.6
20°	1560.1
22.5°	1524.9
25°	1492.1
27.5°	1449.8
30°	1405.3
32.5°	1365.4
35°	1316.1
37.5°	1269.2
40°	1215.2
42.5°	1163.6
45°	1109.7
47.5°	1053.4
50°	994.7
52.5°	933.7
55°	870.4
57.5°	802.3
60°	736.6
62.5°	668.6
65°	595.9
67.5°	523.2
70°	450.4
72.5°	375.4
75°	302.6
77.5°	229.9
80°	161.9
82.5°	100.9
85°	49.3
87.5°	14.1
90°	0.0

(END OF REPORT)