

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: P365147

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8050-F6LBXVM1-LI-BL89BW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365147  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-42)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX70D010TE-FEU6B67-8050-F6LBXVM1-LI-BL89BW  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, SPECULAR CLEAR REFLECTOR,  
BOTTOM LENS ACRYLIC OPAL SMOOTH, CLEAR 0.125", 7000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5108.9 lumens  
Efficiency: N/A  
Efficacy: 69.6 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

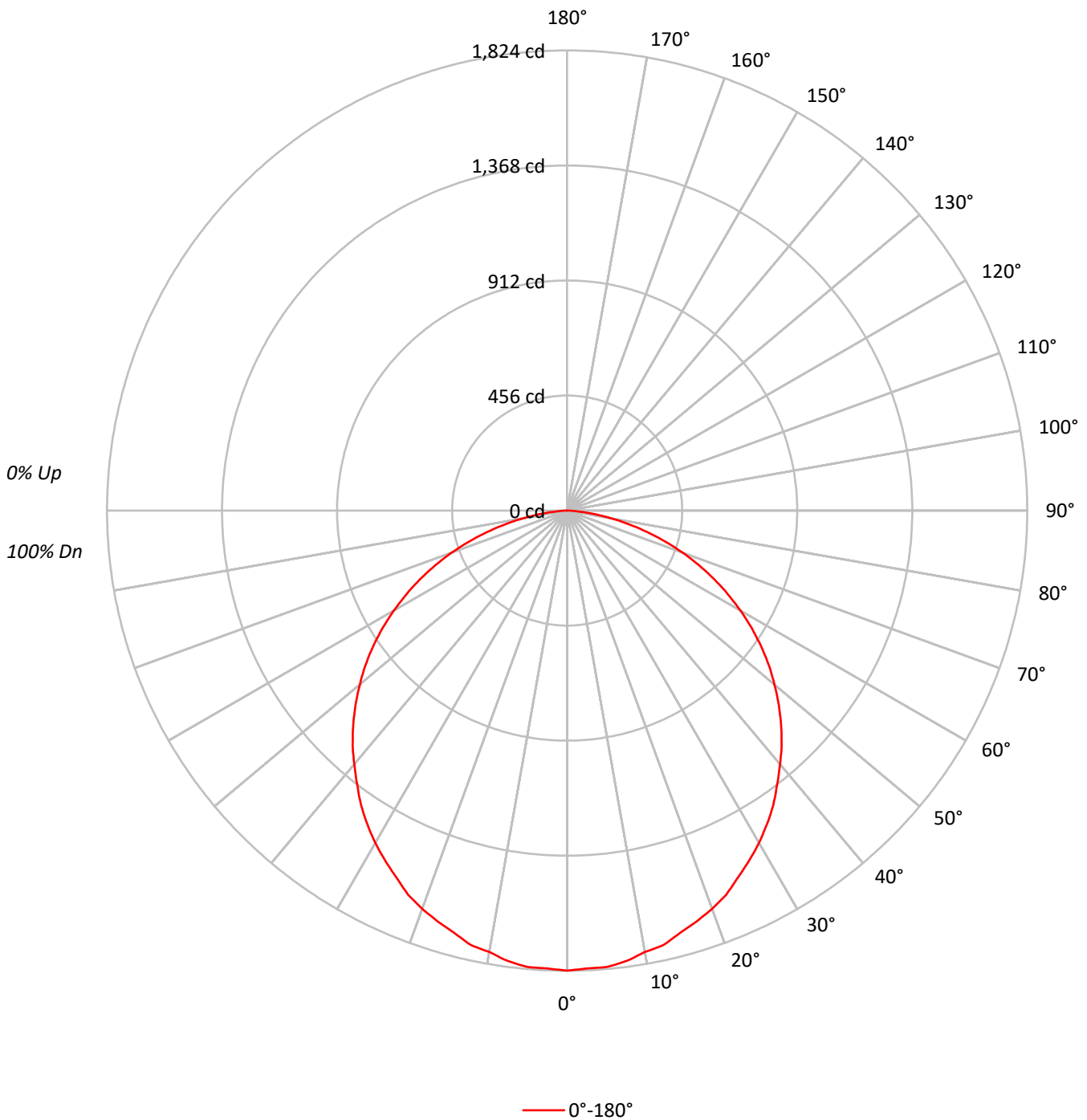
Input Watts (W): 73.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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	71	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	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	34	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°	49809
5°	49797
10°	49274
15°	48976
20°	48829
25°	48313
30°	47983
35°	47504
40°	46822
45°	46325
50°	45589
55°	44718
60°	43311
65°	41475
70°	38782
75°	34511
80°	27669
85°	17081



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	172.0	3.4
10°-20°	489.7	9.6
20°-30°	740.1	14.5
30°-40°	890.1	17.4
40°-50°	924.5	18.1
50°-60°	838.1	16.4
60°-70°	634.4	12.4
70°-80°	346.4	6.8
80°-90°	73.7	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°	1401.8	27.4
0°-40°	2291.8	44.9
0°-60°	4054.4	79.4
0°-90°	5108.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5108.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1824	
5°	1816	172
15°	1732	490
25°	1603	740
35°	1425	890
45°	1199	924
55°	939	838
65°	642	634
75°	327	346
85°	54	74
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1823.5
2.5°	1816.1
5°	1816.1
7.5°	1801.2
10°	1776.5
12.5°	1764.1
15°	1731.9
17.5°	1707.1
20°	1679.8
22.5°	1647.6
25°	1603.0
27.5°	1563.4
30°	1521.3
32.5°	1474.2
35°	1424.6
37.5°	1367.7
40°	1313.1
42.5°	1258.6
45°	1199.2
47.5°	1137.2
50°	1072.8
52.5°	1008.4
55°	939.0
57.5°	867.2
60°	792.8
62.5°	718.5
65°	641.7
67.5°	564.9
70°	485.6
72.5°	406.3
75°	327.0
77.5°	250.2
80°	175.9
82.5°	111.5
85°	54.5
87.5°	17.3
90°	0.0

(END OF REPORT)