

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: P365939

Luminaire Tested: **FLD6BX10D010-FEU6B12-8040-F6LBXVM1-WMH-BL89BW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365939  
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: FLD6BX10D010-FEU6B12-8040-F6LBXVM1-WMH-BL89BW  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, WARM HAZE REFLECTOR, BOTTOM LENS ACRYLIC OPAL SMOOTH, CLEAR 0.125", 1000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 747.0 lumens  
Efficiency: N/A  
Efficacy: 74.7 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

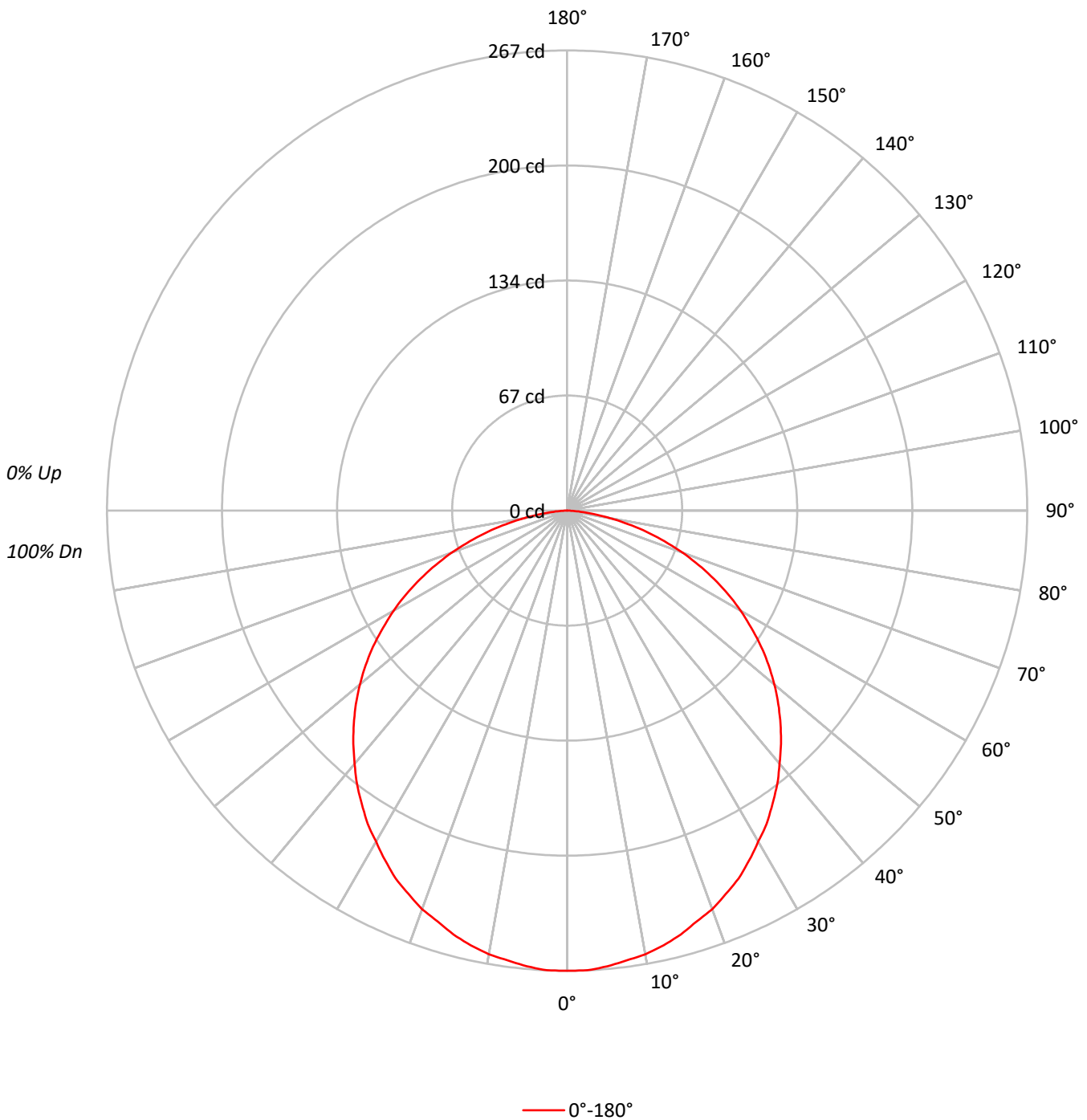
Input Watts (W): 10  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	7293
5°	7280
10°	7250
15°	7203
20°	7157
25°	7098
30°	6996
35°	6926
40°	6839
45°	6764
50°	6672
55°	6543
60°	6354
65°	6076
70°	5678
75°	5045
80°	4011
85°	2445



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	25.2	3.4
10°-20°	71.8	9.6
20°-30°	108.3	14.5
30°-40°	130.0	17.4
40°-50°	135.0	18.1
50°-60°	122.6	16.4
60°-70°	93.0	12.4
70°-80°	50.5	6.8
80°-90°	10.5	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°	205.4	27.5
0°-40°	335.4	44.9
0°-60°	593.0	79.4
0°-90°	747.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	747.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	267	
5°	266	25
15°	255	72
25°	236	108
35°	208	130
45°	175	135
55°	137	123
65°	94	93
75°	48	50
85°	8	11
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	267.0
2.5°	267.0
5°	265.5
7.5°	263.3
10°	261.4
12.5°	258.4
15°	254.7
17.5°	249.9
20°	246.2
22.5°	240.7
25°	235.5
27.5°	228.8
30°	221.8
32.5°	215.5
35°	207.7
37.5°	200.3
40°	191.8
42.5°	183.7
45°	175.1
47.5°	166.2
50°	157.0
52.5°	147.4
55°	137.4
57.5°	126.6
60°	116.3
62.5°	105.5
65°	94.0
67.5°	82.6
70°	71.1
72.5°	59.2
75°	47.8
77.5°	36.3
80°	25.5
82.5°	15.9
85°	7.8
87.5°	2.2
90°	0.0

(END OF REPORT)