

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: P365901

Luminaire Tested: **FLD6BX10D010-FEU6B12-8030-F6LBXVM1-WMH-BL89AM**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365901  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-48)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX10D010-FEU6B12-8030-F6LBXVM1-WMH-BL89AM  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, WARM HAZE REFLECTOR, BOTTOM LENS POLYCARBONATE, OPAL SMOOTH 0.125", 1000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 401.0 lumens  
Efficiency: N/A  
Efficacy: 40.1 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.38  
Luminous Opening: Circular (Dia: 0.71' x H: 0')  
CIE Type: Direct

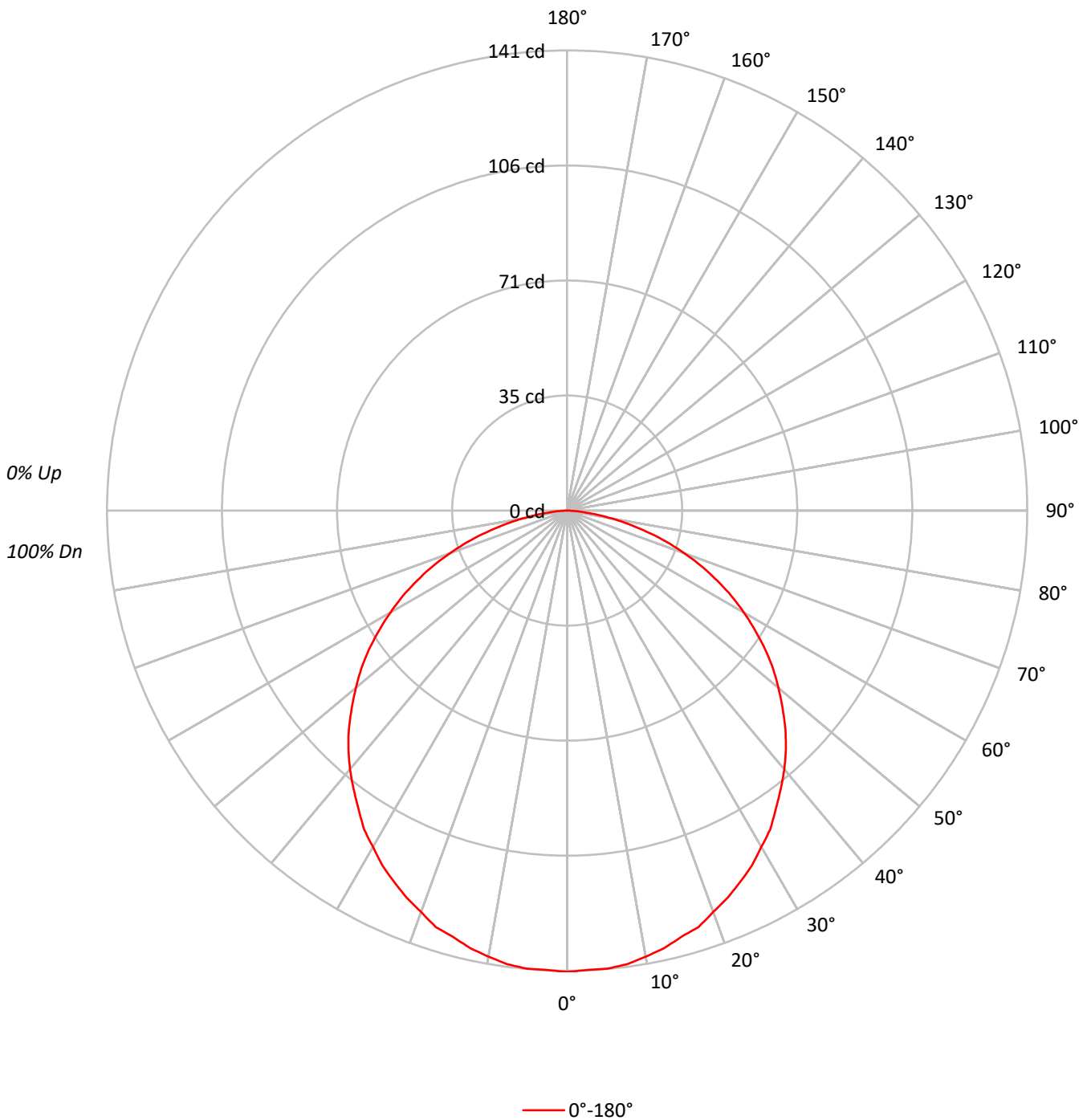
Input Watts (W): 10  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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	70	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	42	36	63	50	42	36	49	41	36		47	41	36		46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32		43	37	32		42	36	32	30
9	56	43	35	29	55	42	34	29	41	34	29		40	33	29		39	33	29	27
10	53	40	32	26	52	39	31	26	38	31	26		37	31	26		36	30	26	24

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

	0°
0°	3860
5°	3863
10°	3850
15°	3823
20°	3805
25°	3782
30°	3753
35°	3718
40°	3691
45°	3654
50°	3591
55°	3529
60°	3420
65°	3277
70°	3043
75°	2691
80°	2155
85°	1254



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	13.4	3.3
10°-20°	38.2	9.5
20°-30°	57.9	14.4
30°-40°	69.9	17.4
40°-50°	72.8	18.2
50°-60°	66.1	16.5
60°-70°	50.1	12.5
70°-80°	27.1	6.8
80°-90°	5.6	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°	109.5	27.3
0°-40°	179.3	44.7
0°-60°	318.3	79.4
0°-90°	401.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	401.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	141	
5°	141	13
15°	135	38
25°	126	58
35°	112	70
45°	95	73
55°	74	66
65°	51	50
75°	26	27
85°	4	6
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	141.3
2.5°	140.9
5°	140.9
7.5°	140.2
10°	138.8
12.5°	137.3
15°	135.2
17.5°	133.8
20°	130.9
22.5°	128.4
25°	125.5
27.5°	122.6
30°	119.0
32.5°	115.8
35°	111.5
37.5°	107.5
40°	103.5
42.5°	99.2
45°	94.6
47.5°	89.5
50°	84.5
52.5°	79.5
55°	74.1
57.5°	68.3
60°	62.6
62.5°	56.8
65°	50.7
67.5°	44.6
70°	38.1
72.5°	32.0
75°	25.5
77.5°	19.4
80°	13.7
82.5°	8.6
85°	4.0
87.5°	1.1
90°	0.0

(END OF REPORT)