

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: P365183

Luminaire Tested: **FLD6BX10D010-FEU6B12-8030-F6LBXVM1-MW-BL89BW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365183  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-35)  
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-MW-BL89BW  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS ACRYLIC OPAL SMOOTH, CLEAR 0.125", 1000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 648.0 lumens  
Efficiency: N/A  
Efficacy: 64.8 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

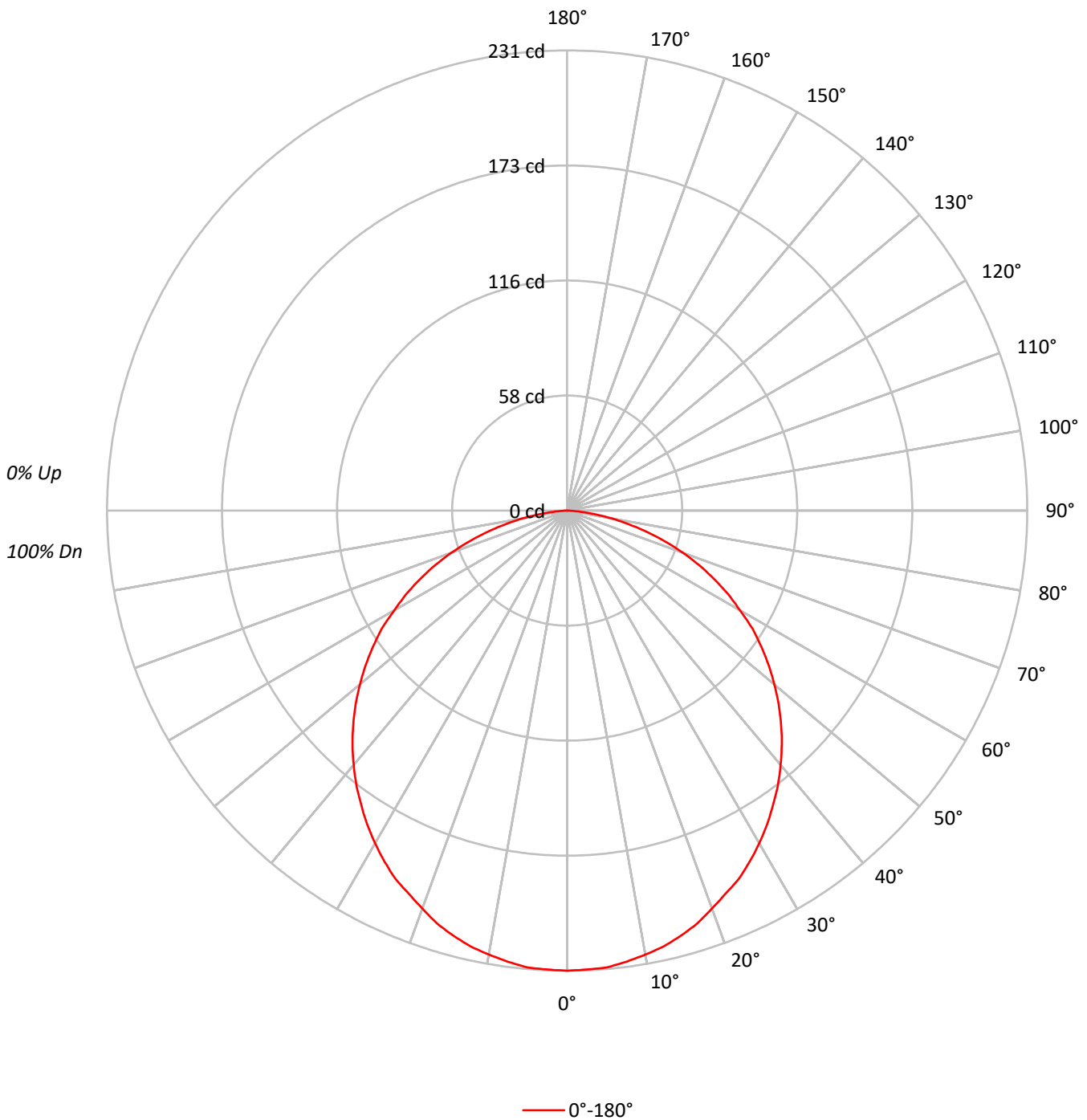
Input Watts (W): 10  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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	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	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°	6310
5°	6312
10°	6277
15°	6247
20°	6180
25°	6148
30°	6084
35°	6012
40°	5944
45°	5868
50°	5771
55°	5662
60°	5474
65°	5268
70°	4936
75°	4401
80°	3555
85°	2131



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	21.8	3.4
10°-20°	62.3	9.6
20°-30°	93.9	14.5
30°-40°	112.9	17.4
40°-50°	117.1	18.1
50°-60°	106.2	16.4
60°-70°	80.5	12.4
70°-80°	44.1	6.8
80°-90°	9.2	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°	178.0	27.5
0°-40°	290.8	44.9
0°-60°	514.1	79.3
0°-90°	648.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	648.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	231	
5°	230	22
15°	221	62
25°	204	94
35°	180	113
45°	152	117
55°	119	106
65°	82	81
75°	42	44
85°	7	9
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	231.0
2.5°	230.6
5°	230.2
7.5°	228.4
10°	226.3
12.5°	224.1
15°	220.9
17.5°	217.3
20°	212.6
22.5°	208.0
25°	204.0
27.5°	198.6
30°	192.9
32.5°	186.8
35°	180.3
37.5°	173.8
40°	166.7
42.5°	159.5
45°	151.9
47.5°	144.0
50°	135.8
52.5°	127.5
55°	118.9
57.5°	110.3
60°	100.2
62.5°	91.2
65°	81.5
67.5°	71.8
70°	61.8
72.5°	51.7
75°	41.7
77.5°	31.6
80°	22.6
82.5°	14.0
85°	6.8
87.5°	1.8
90°	0.0

(END OF REPORT)