

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: P365245

Luminaire Tested: **FLD6BX10D010-FEU6B12-8050-F6LBXVM1-MW-BTR89BI**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365245  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX10D010-FEU6B12-8050-F6LBXVM1-MW-BTR89BI  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,  
BOTTOM TRIM ACRYLIC, CLEAR RFI 0.125", 1000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 657.9 lumens  
Efficiency: N/A  
Efficacy: 65.8 lumens/watt  
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.84  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

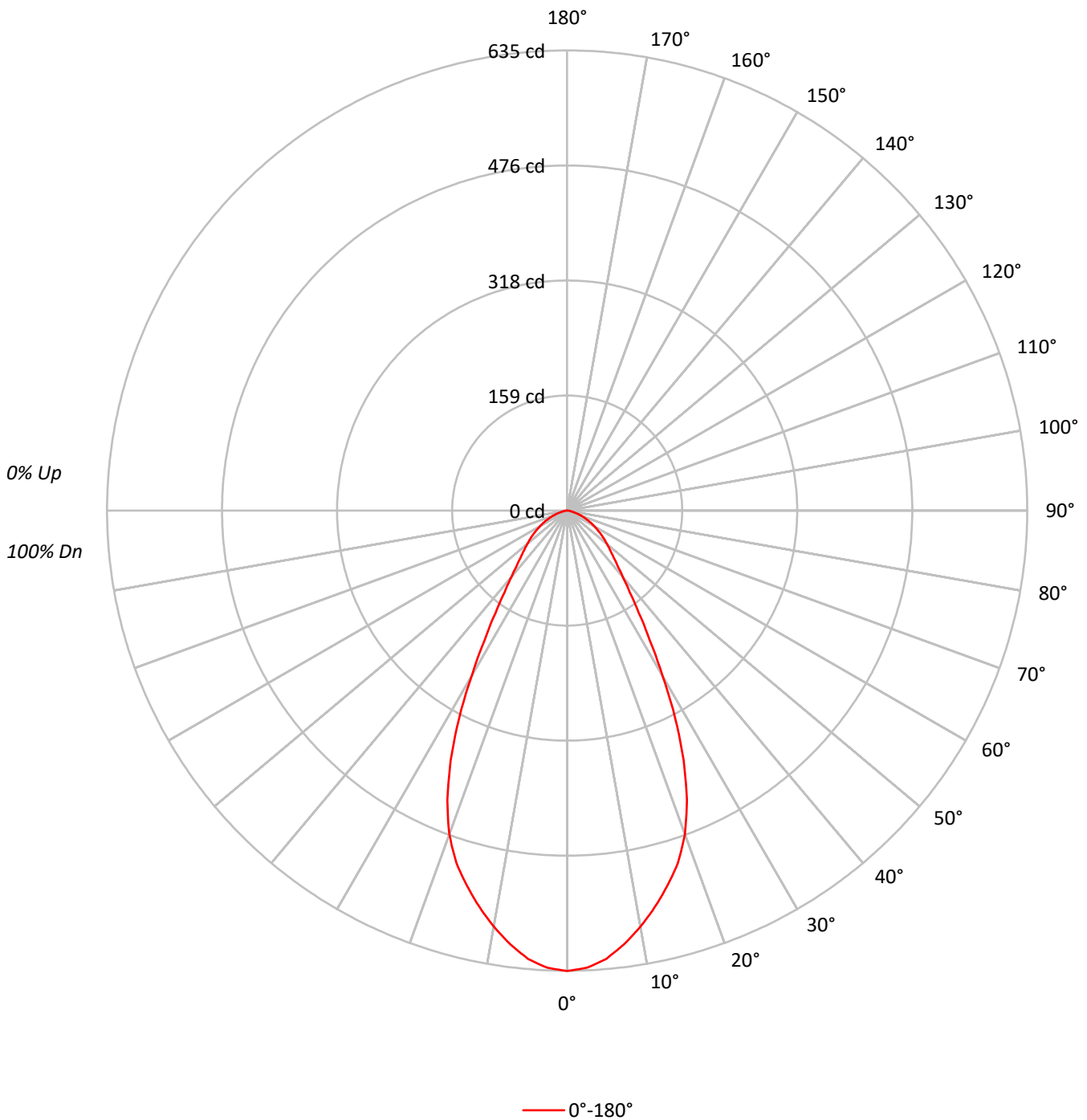
Input Watts (W): 10  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	112	109	106	103	109	106	104	101	102	100	98		99	97	95		95	94	92	90
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	85	83	81
3	98	91	85	80	96	89	84	79	86	82	78		84	80	77		82	78	75	74
4	92	83	77	72	90	82	76	71	80	75	70		78	73	70		76	72	69	67
5	87	77	70	65	85	76	70	65	74	68	64		72	67	64		71	66	63	61
6	82	72	65	60	80	71	64	59	69	63	59		68	62	58		66	62	58	56
7	77	67	60	55	76	66	59	55	65	59	54		63	58	54		62	57	54	52
8	73	62	56	51	72	62	55	51	61	55	51		59	54	50		58	54	50	48
9	69	59	52	47	68	58	52	47	57	51	47		56	51	47		55	50	47	45
10	66	55	49	44	65	55	48	44	54	48	44		53	48	44		52	47	44	42

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

	0°
0°	45489
5°	44627
10°	42381
15°	39688
20°	36224
25°	30029
30°	21786
35°	15069
40°	11142
45°	9113
50°	7998
55°	7116
60°	6201
65°	5269
70°	4208
75°	3043
80°	2185
85°	2465



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	58.0	8.8
10°-20°	149.7	22.8
20°-30°	171.2	26.0
30°-40°	111.0	16.9
40°-50°	70.8	10.8
50°-60°	51.0	7.8
60°-70°	31.0	4.7
70°-80°	12.3	1.9
80°-90°	2.9	0.4
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°	379.0	57.6
0°-40°	490.0	74.5
0°-60°	611.7	93.0
0°-90°	657.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	657.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	635	
5°	621	58
15°	535	150
25°	380	171
35°	172	111
45°	90	71
55°	57	51
65°	31	31
75°	11	12
85°	3	3
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	635.3
2.5°	631.5
5°	620.9
7.5°	603.4
10°	582.9
12.5°	560.1
15°	535.4
17.5°	509.2
20°	475.4
22.5°	432.1
25°	380.1
27.5°	323.2
30°	263.5
32.5°	212.3
35°	172.4
37.5°	142.0
40°	119.2
42.5°	102.5
45°	90.0
47.5°	80.1
50°	71.8
52.5°	64.2
55°	57.0
57.5°	49.7
60°	43.3
62.5°	37.2
65°	31.1
67.5°	25.4
70°	20.1
72.5°	15.6
75°	11.0
77.5°	7.6
80°	5.3
82.5°	3.4
85°	3.0
87.5°	1.5
90°	0.0

(END OF REPORT)