

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: P365281

Luminaire Tested: **FLD6BX15D010-FEU6B12-8030-F6LBXVM1-MW-BTR89BI**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365281  
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: FLD6BX15D010-FEU6B12-8030-F6LBXVM1-MW-BTR89BI  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,  
BOTTOM TRIM ACRYLIC, CLEAR RFI 0.125", 1500LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 847.0 lumens  
Efficiency: N/A  
Efficacy: 59.6 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

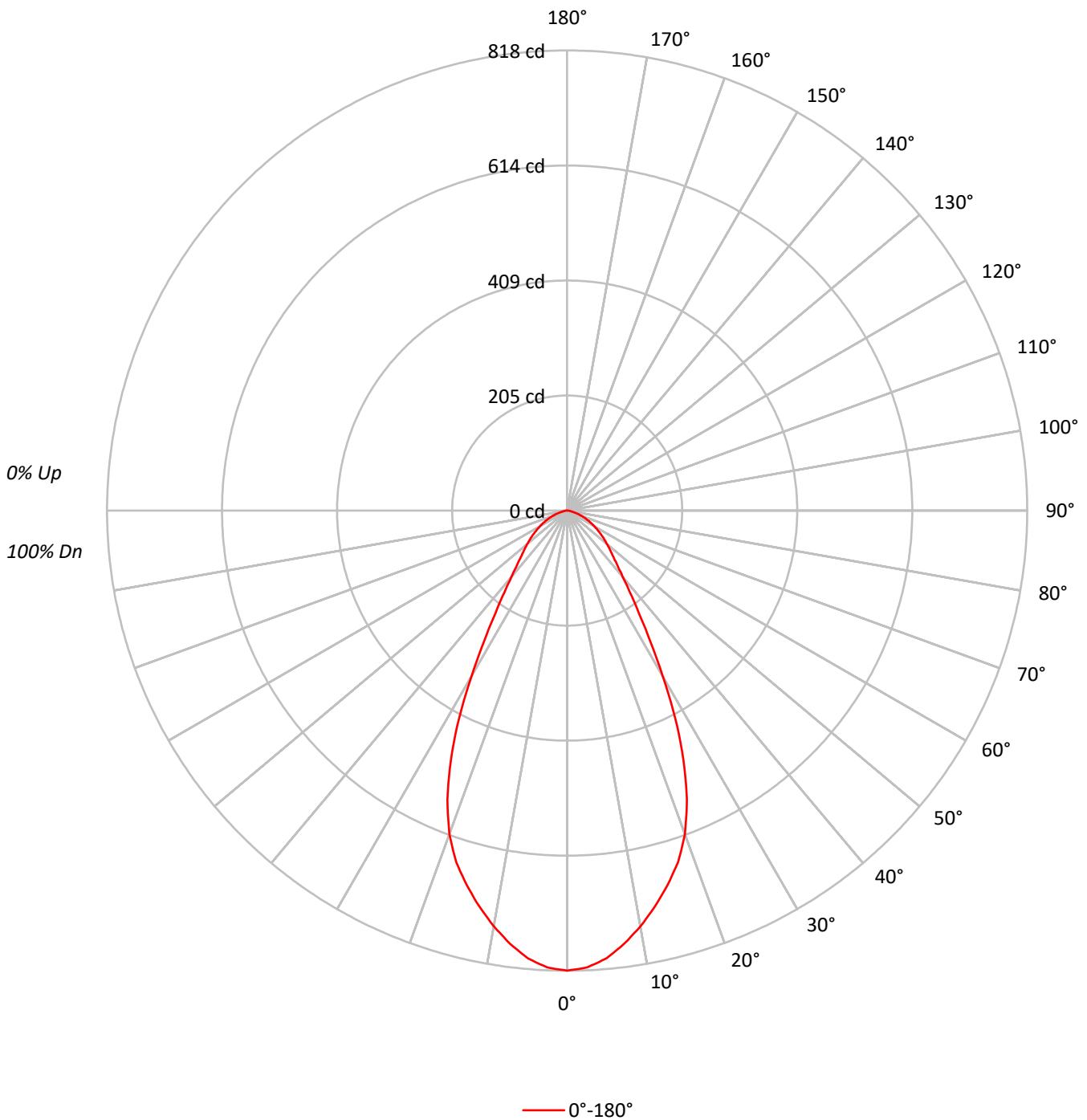
Input Watts (W): 14.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	50		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°	58556
5°	57443
10°	54552
15°	51089
20°	46633
25°	38657
30°	28045
35°	19396
40°	14348
45°	11726
50°	10293
55°	9150
60°	7976
65°	6794
70°	5422
75°	3928
80°	2804
85°	3204



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	74.7	8.8
10°-20°	192.7	22.8
20°-30°	220.4	26.0
30°-40°	142.9	16.9
40°-50°	91.1	10.8
50°-60°	65.6	7.7
60°-70°	39.9	4.7
70°-80°	15.9	1.9
80°-90°	3.7	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°	487.8	57.6
0°-40°	630.7	74.5
0°-60°	787.4	93.0
0°-90°	847.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	847.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	818	
5°	799	75
15°	689	193
25°	489	220
35°	222	143
45°	116	91
55°	73	66
65°	40	40
75°	14	16
85°	4	4
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	817.8
2.5°	812.9
5°	799.2
7.5°	776.7
10°	750.3
12.5°	721.0
15°	689.2
17.5°	655.5
20°	612.0
22.5°	556.3
25°	489.3
27.5°	416.0
30°	339.2
32.5°	273.2
35°	221.9
37.5°	182.8
40°	153.5
42.5°	132.0
45°	115.8
47.5°	103.1
50°	92.4
52.5°	82.6
55°	73.3
57.5°	64.0
60°	55.7
62.5°	47.9
65°	40.1
67.5°	32.8
70°	25.9
72.5°	20.0
75°	14.2
77.5°	9.8
80°	6.8
82.5°	4.4
85°	3.9
87.5°	2.0
90°	0.0

(END OF REPORT)