

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: P365260

Luminaire Tested: **FLD6BX15D010-FEU6B12-8027-F6LBXVM1-MW-BTR85**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365260  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX15D010-FEU6B12-8027-F6LBXVM1-MW-BTR85  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,  
BOTTOM TRIM POLYCARBONATE, CLEAR 0.187", 1500LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 825.0 lumens  
Efficiency: N/A  
Efficacy: 58.1 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

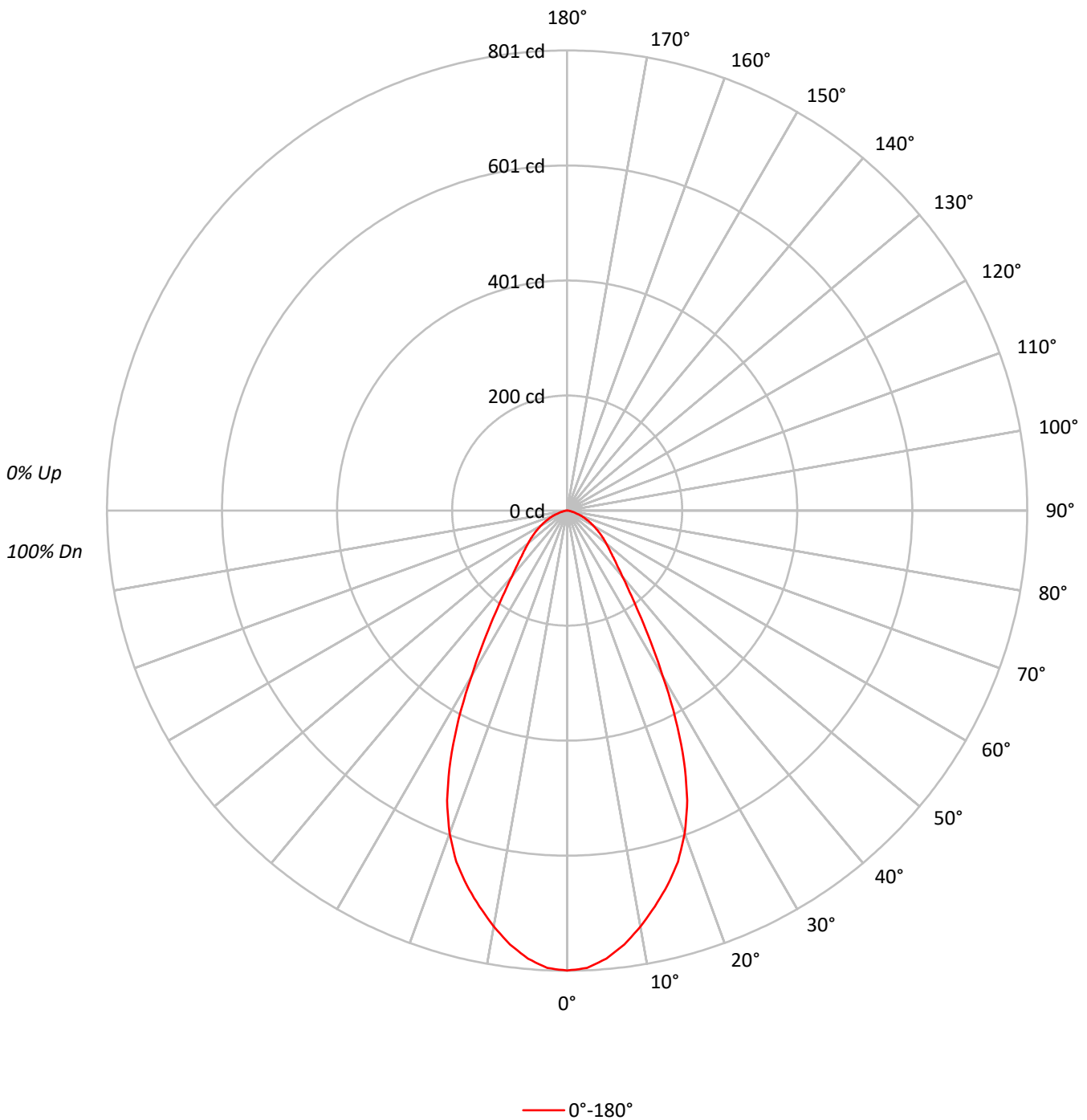
Input Watts (W): 14.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	110	107	104	101	102	100	98		99	97	95		95	94	92	91
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	86	83	82
3	99	91	85	80	96	89	84	79	87	82	78		84	80	77		82	78	76	74
4	93	84	77	72	91	82	76	72	80	75	71		78	73	70		76	72	69	67
5	87	77	70	65	85	76	70	65	74	69	64		73	68	64		71	67	63	62
6	82	72	65	60	80	71	64	60	69	63	59		68	63	59		66	62	58	57
7	77	67	60	55	76	66	60	55	65	59	55		64	58	54		62	58	54	52
8	73	63	56	51	72	62	55	51	61	55	51		60	54	51		59	54	50	49
9	70	59	52	48	68	58	52	48	57	51	47		56	51	47		55	51	47	45
10	66	55	49	45	65	55	49	44	54	48	44		53	48	44		52	48	44	43

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

	0°
0°	57324
5°	56264
10°	53446
15°	50058
20°	45573
25°	38017
30°	27565
35°	18968
40°	13946
45°	11321
50°	9847
55°	8701
60°	7561
65°	6421
70°	5192
75°	3762
80°	2515
85°	2711



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	73.2	8.9
10°-20°	188.6	22.9
20°-30°	216.4	26.2
30°-40°	140.1	17.0
40°-50°	88.0	10.7
50°-60°	62.6	7.6
60°-70°	37.8	4.6
70°-80°	15.0	1.8
80°-90°	3.3	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°	478.2	58.0
0°-40°	618.3	74.9
0°-60°	769.0	93.2
0°-90°	825.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	825.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	801	
5°	783	73
15°	675	189
25°	481	216
35°	217	140
45°	112	88
55°	70	63
65°	38	38
75°	14	15
85°	3	3
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	800.6
2.5°	796.9
5°	782.8
7.5°	761.8
10°	735.1
12.5°	705.7
15°	675.3
17.5°	641.1
20°	598.1
22.5°	546.2
25°	481.2
27.5°	408.7
30°	333.4
32.5°	269.8
35°	217.0
37.5°	178.2
40°	149.2
42.5°	128.1
45°	111.8
47.5°	99.1
50°	88.4
52.5°	79.0
55°	69.7
57.5°	61.3
60°	52.8
62.5°	45.4
65°	37.9
67.5°	30.9
70°	24.8
72.5°	18.7
75°	13.6
77.5°	9.4
80°	6.1
82.5°	3.7
85°	3.3
87.5°	1.9
90°	0.0

(END OF REPORT)