

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: P364447

Luminaire Tested: **FLD6BX10D010-FEU6B12-8027-F6LBXVM1-LI-BTR81**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P364447  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX10D010-FEU6B12-8027-F6LBXVM1-LI-BTR81  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.156", 1000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 758.0 lumens  
Efficiency: N/A  
Efficacy: 75.8 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.19  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

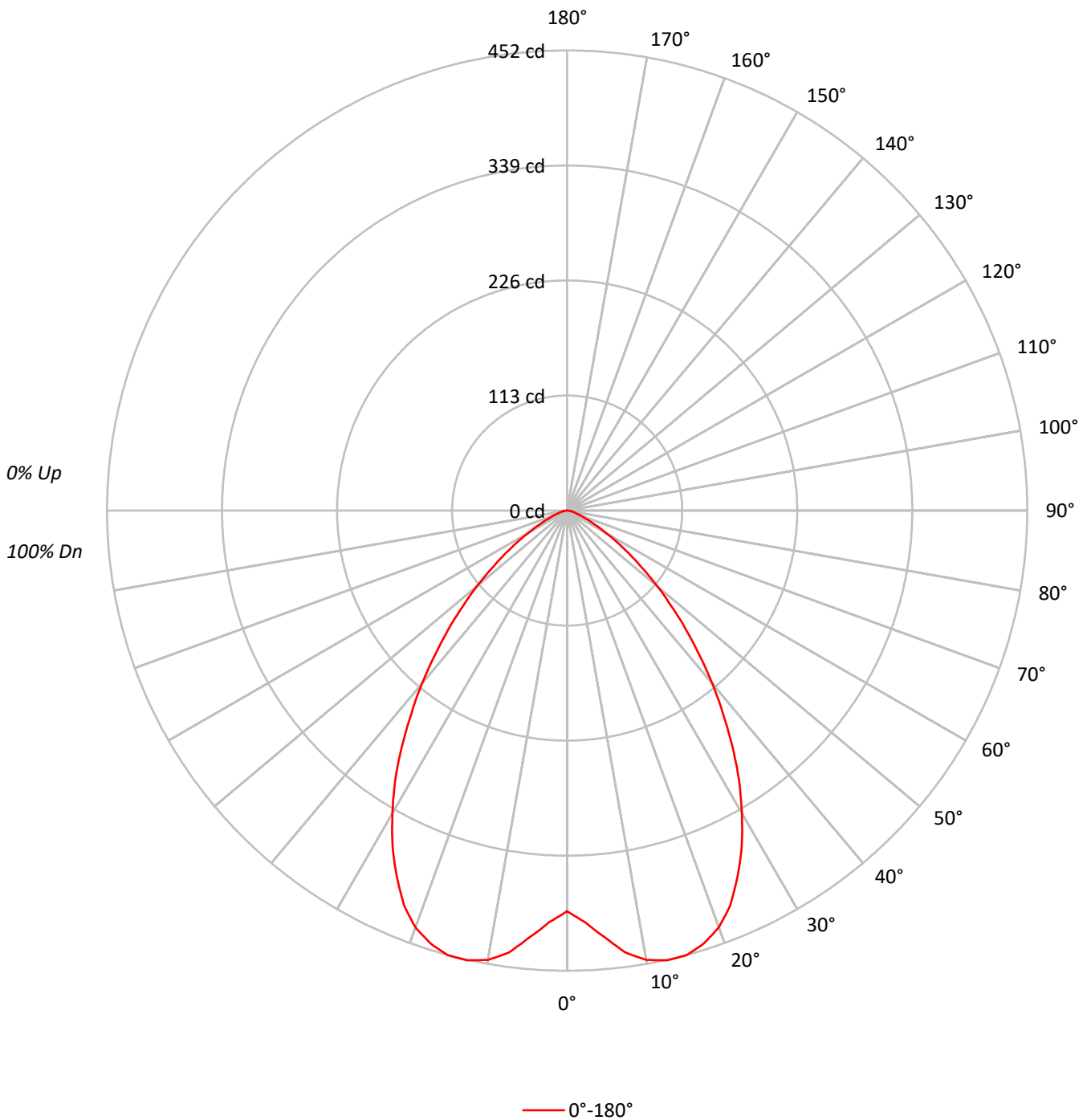
Input Watts (W): 10  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	108	105	102	109	106	103	101	102	100	98		98	96	95		95	93	92	90
2	104	98	93	89	102	96	92	88	93	89	86		90	87	84		87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76		82	78	75		80	76	73	72
4	91	81	74	69	89	80	73	68	78	72	68		75	71	67		73	69	66	64
5	85	74	67	61	83	73	66	61	71	65	61		69	64	60		68	63	59	58
6	79	68	61	55	77	67	60	55	66	59	55		64	59	54		63	58	54	52
7	74	63	55	50	73	62	55	50	61	54	50		59	54	49		58	53	49	47
8	70	58	51	46	68	57	50	46	56	50	45		55	49	45		54	49	45	43
9	65	54	47	42	64	53	46	42	52	46	42		51	46	41		50	45	41	40
10	62	50	43	39	61	50	43	38	49	43	38		48	42	38		47	42	38	37

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

	0°
0°	28168
5°	30231
10°	32580
15°	33521
20°	33199
25°	31301
30°	28384
35°	24746
40°	20750
45°	16698
50°	12866
55°	9350
60°	6344
65°	4185
70°	2742
75°	2103
80°	1856
85°	2218



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	41.1	5.4
10°-20°	126.9	16.7
20°-30°	181.1	23.9
30°-40°	176.2	23.2
40°-50°	127.5	16.8
50°-60°	68.3	9.0
60°-70°	25.8	3.4
70°-80°	8.5	1.1
80°-90°	2.7	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°	349.1	46.1
0°-40°	525.3	69.3
0°-60°	721.1	95.1
0°-90°	758.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	758.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	393	
5°	421	41
15°	452	127
25°	396	181
35°	283	176
45°	165	127
55°	75	68
65°	25	26
75°	8	8
85°	3	3
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	393.4
2.5°	404.8
5°	420.6
7.5°	437.8
10°	448.1
12.5°	452.5
15°	452.2
17.5°	446.0
20°	435.7
22.5°	419.2
25°	396.2
27.5°	371.5
30°	343.3
32.5°	314.4
35°	283.1
37.5°	251.5
40°	222.0
42.5°	191.7
45°	164.9
47.5°	138.8
50°	115.5
52.5°	93.8
55°	74.9
57.5°	58.8
60°	44.3
62.5°	33.3
65°	24.7
67.5°	17.9
70°	13.1
72.5°	10.0
75°	7.6
77.5°	5.8
80°	4.5
82.5°	3.4
85°	2.7
87.5°	1.4
90°	0.0

(END OF REPORT)