

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: P366067

Luminaire Tested: **FLD6BX20D010-FEU6B12-8027-F6LBXVM1-WMH-BTR81**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366067  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-31)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX20D010-FEU6B12-8027-F6LBXVM1-WMH-BTR81  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,  
BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.156", 2000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1380.0 lumens  
Efficiency: N/A  
Efficacy: 68.0 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.19  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

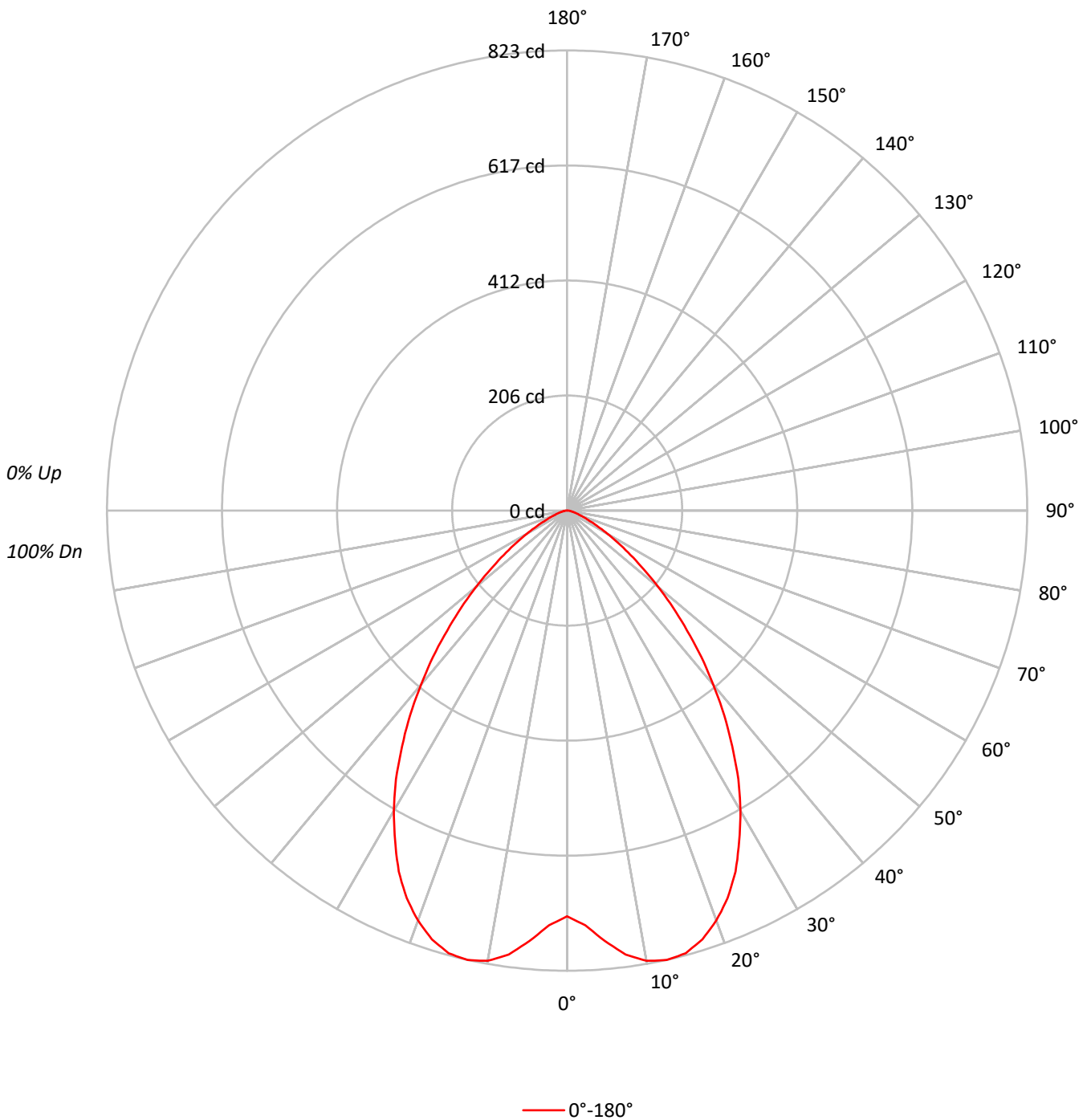
Input Watts (W): 20.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	74		80	76	73	71
4	91	81	74	69	89	80	73	68	78	72	67		75	71	67		73	69	66	64
5	85	74	67	61	83	73	66	61	71	65	60		69	64	60		68	63	59	57
6	79	68	61	55	77	67	60	55	65	59	55		64	58	54		62	58	54	52
7	74	63	55	50	72	62	55	50	60	54	49		59	53	49		58	53	49	47
8	69	58	51	46	68	57	50	45	56	50	45		55	49	45		54	49	45	43
9	65	54	47	42	64	53	46	42	52	46	41		51	45	41		50	45	41	39
10	62	50	43	38	60	49	43	38	49	42	38		48	42	38		47	42	38	36

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

	0°
0°	51947
5°	55524
10°	59445
15°	60748
20°	59449
25°	56298
30°	51253
35°	44964
40°	37967
45°	30702
50°	23660
55°	17277
60°	11886
65°	7844
70°	5129
75°	3735
80°	3175
85°	3697



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	75.2	5.4
10°-20°	229.5	16.6
20°-30°	325.1	23.6
30°-40°	320.7	23.2
40°-50°	235.1	17.0
50°-60°	126.0	9.1
60°-70°	48.4	3.5
70°-80°	15.4	1.1
80°-90°	4.6	0.3
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°	629.8	45.6
0°-40°	950.5	68.9
0°-60°	1311.6	95.0
0°-90°	1380.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1380.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	726	
5°	772	75
15°	820	229
25°	713	325
35°	514	321
45°	303	235
55°	138	126
65°	46	48
75°	14	15
85°	4	5
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	725.5
2.5°	742.2
5°	772.5
7.5°	800.8
10°	817.6
12.5°	823.4
15°	819.5
17.5°	804.0
20°	780.2
22.5°	750.0
25°	712.6
27.5°	666.3
30°	619.9
32.5°	569.7
35°	514.4
37.5°	461.6
40°	406.2
42.5°	355.3
45°	303.2
47.5°	256.9
50°	212.4
52.5°	172.5
55°	138.4
57.5°	108.1
60°	83.0
62.5°	62.4
65°	46.3
67.5°	34.1
70°	24.5
72.5°	18.7
75°	13.5
77.5°	10.3
80°	7.7
82.5°	5.8
85°	4.5
87.5°	2.6
90°	0.0

(END OF REPORT)