

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: P365924

Luminaire Tested: **FLD6BX10D010-FEU6B12-8035-F6LBXVM1-WMH-BTR82**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365924  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-32)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX10D010-FEU6B12-8035-F6LBXVM1-WMH-BTR82  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,  
BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.187", 1000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 787.0 lumens  
Efficiency: N/A  
Efficacy: 78.7 lumens/watt  
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.07  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

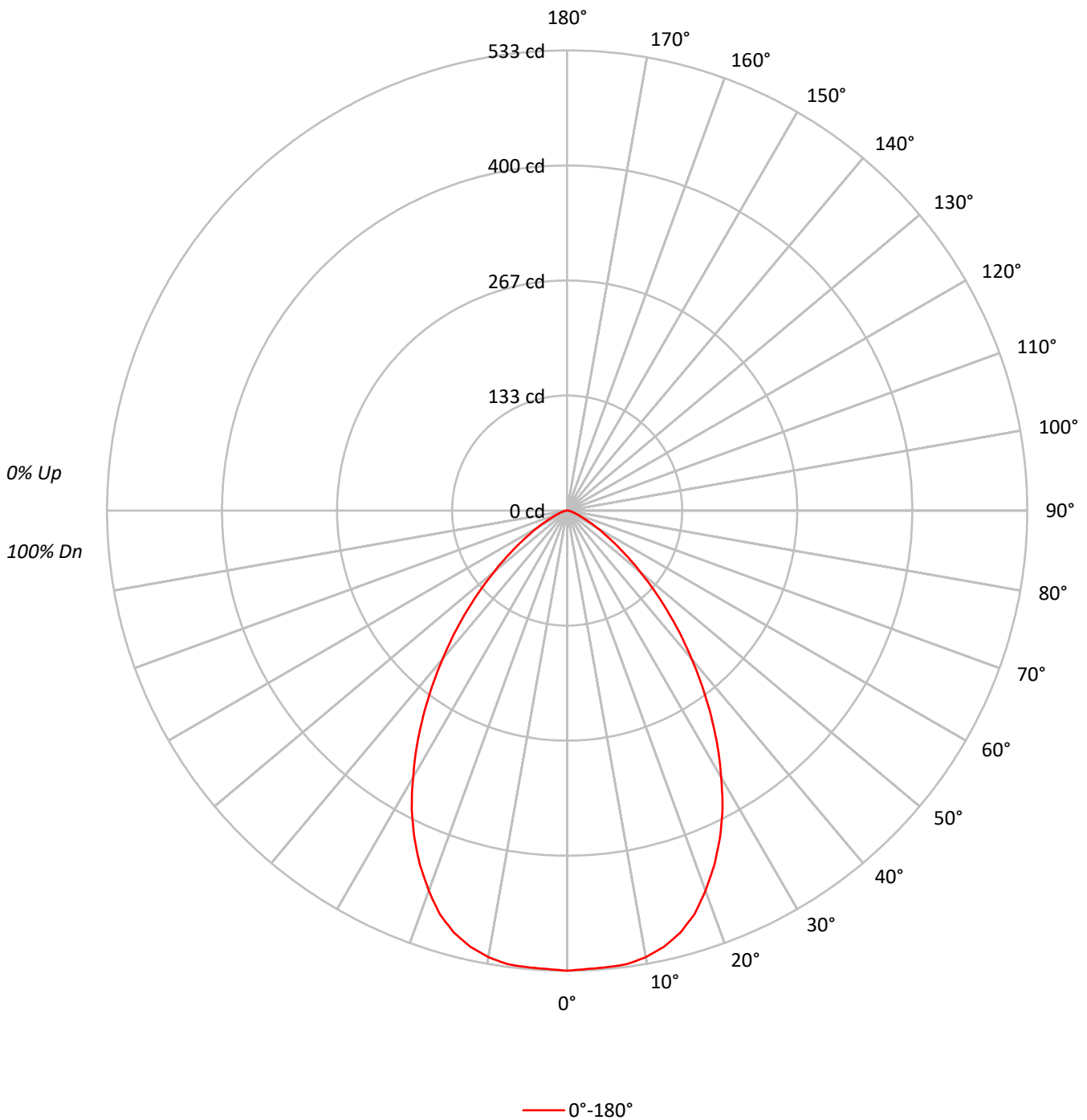
Input Watts (W): 10  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	110	106	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	85	83	81
3	98	90	84	79	96	89	83	78	86	81	77	83	79	76	81	78	75	73
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	66
5	86	75	68	63	84	74	68	63	73	67	62	71	66	62	69	65	61	59
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	54
7	75	64	57	52	74	63	57	52	62	56	51	61	55	51	60	55	51	49
8	71	60	52	47	69	59	52	47	58	52	47	57	51	47	55	50	47	45
9	67	55	48	44	66	55	48	44	54	48	43	53	47	43	52	47	43	41
10	63	52	45	40	62	51	45	40	50	44	40	49	44	40	49	44	40	38

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

	0°
0°	38157
5°	38166
10°	38185
15°	37516
20°	35691
25°	33063
30°	29516
35°	25401
40°	20965
45°	16586
50°	12331
55°	8688
60°	5771
65°	3541
70°	2303
75°	1715
80°	1526
85°	1807



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	50.5	6.4
10°-20°	141.7	18.0
20°-30°	191.3	24.3
30°-40°	181.0	23.0
40°-50°	126.9	16.1
50°-60°	63.8	8.1
60°-70°	22.6	2.9
70°-80°	7.0	0.9
80°-90°	2.2	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°	383.5	48.7
0°-40°	564.5	71.7
0°-60°	755.2	96.0
0°-90°	787.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	787.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	533	
5°	531	51
15°	506	142
25°	418	191
35°	291	181
45°	164	127
55°	70	64
65°	21	23
75°	6	7
85°	2	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	532.9
2.5°	531.4
5°	531.0
7.5°	529.9
10°	525.2
12.5°	517.5
15°	506.1
17.5°	490.3
20°	468.4
22.5°	444.9
25°	418.5
27.5°	389.9
30°	357.0
32.5°	324.3
35°	290.6
37.5°	257.3
40°	224.3
42.5°	193.9
45°	163.8
47.5°	136.3
50°	110.7
52.5°	88.7
55°	69.6
57.5°	53.5
60°	40.3
62.5°	29.7
65°	20.9
67.5°	15.4
70°	11.0
72.5°	8.4
75°	6.2
77.5°	4.8
80°	3.7
82.5°	2.9
85°	2.2
87.5°	1.1
90°	0.0

(END OF REPORT)