

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: P365224

Luminaire Tested: **FLD6BX10D010-FEU6B12-8040-F6LBXVM1-MW-BTR85**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365224  
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: FLD6BX10D010-FEU6B12-8040-F6LBXVM1-MW-BTR85  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,  
BOTTOM TRIM POLYCARBONATE, CLEAR 0.187", 1000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 653.0 lumens  
Efficiency: N/A  
Efficacy: 65.3 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

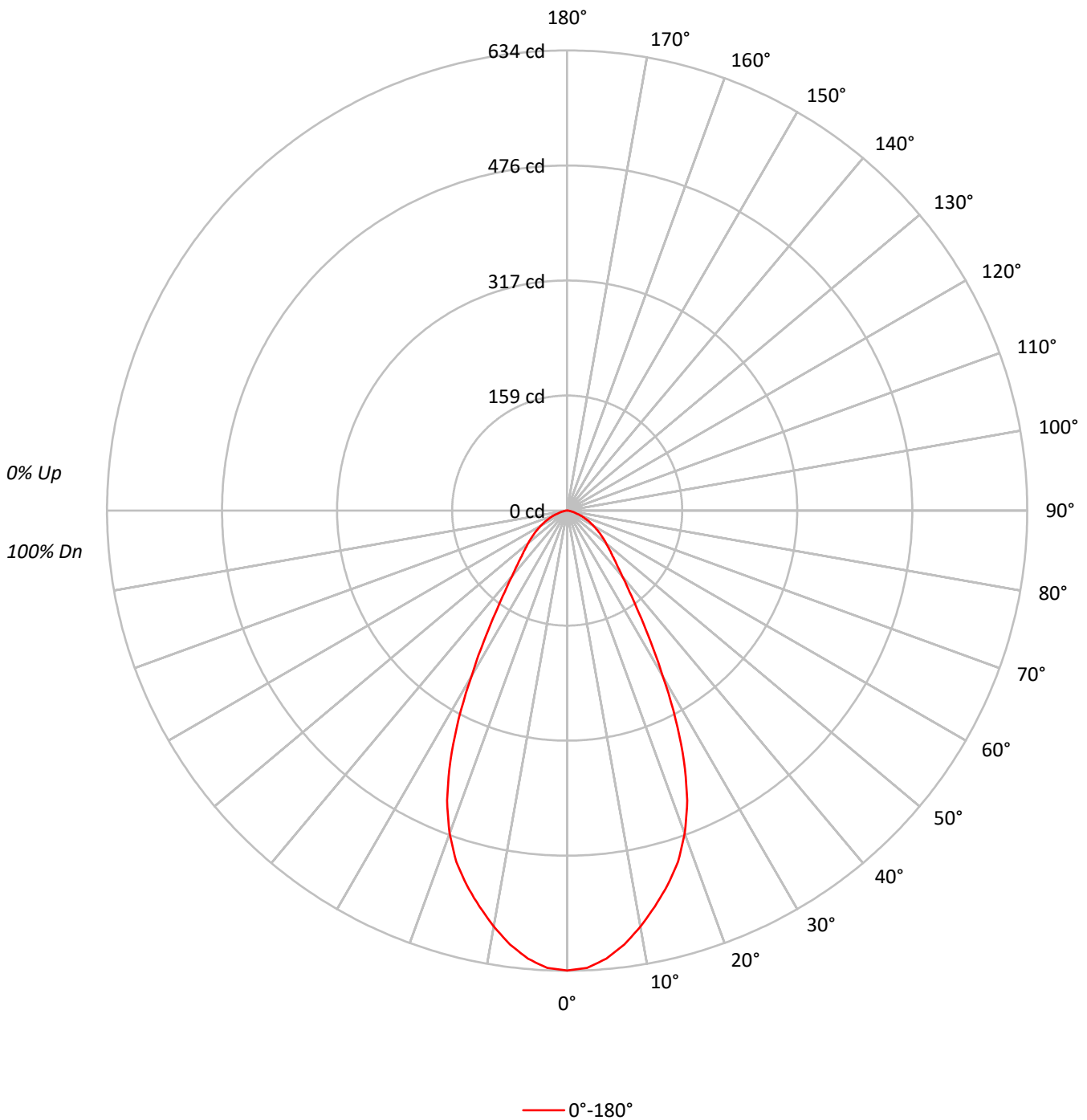
Input Watts (W): 10  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	45374
5°	44534
10°	42308
15°	39621
20°	36072
25°	30093
30°	21819
35°	15008
40°	11039
45°	8962
50°	7797
55°	6891
60°	5986
65°	5083
70°	4103
75°	2960
80°	1979
85°	2136



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	57.9	8.9
10°-20°	149.3	22.9
20°-30°	171.3	26.2
30°-40°	110.9	17.0
40°-50°	69.7	10.7
50°-60°	49.6	7.6
60°-70°	29.9	4.6
70°-80°	11.9	1.8
80°-90°	2.6	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°	378.5	58.0
0°-40°	489.4	74.9
0°-60°	608.7	93.2
0°-90°	653.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	653.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	634	
5°	620	58
15°	534	149
25°	381	171
35°	172	111
45°	88	70
55°	55	50
65°	30	30
75°	11	12
85°	3	3
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	633.7
2.5°	630.7
5°	619.6
7.5°	603.0
10°	581.9
12.5°	558.6
15°	534.5
17.5°	507.5
20°	473.4
22.5°	432.3
25°	380.9
27.5°	323.5
30°	263.9
32.5°	213.6
35°	171.7
37.5°	141.0
40°	118.1
42.5°	101.4
45°	88.5
47.5°	78.5
50°	70.0
52.5°	62.6
55°	55.2
57.5°	48.5
60°	41.8
62.5°	35.9
65°	30.0
67.5°	24.4
70°	19.6
72.5°	14.8
75°	10.7
77.5°	7.4
80°	4.8
82.5°	3.0
85°	2.6
87.5°	1.5
90°	0.0

(END OF REPORT)