

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: P365225

Luminaire Tested: **FLD6BX10D010-FEU6B12-8040-F6LBXVM1-MW-BTR86**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365225  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-17)  
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-BTR86  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,  
BOTTOM TRIM POLYCARBONATE, CLEAR 0.250", 1000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 633.0 lumens  
Efficiency: N/A  
Efficacy: 63.3 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.83  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

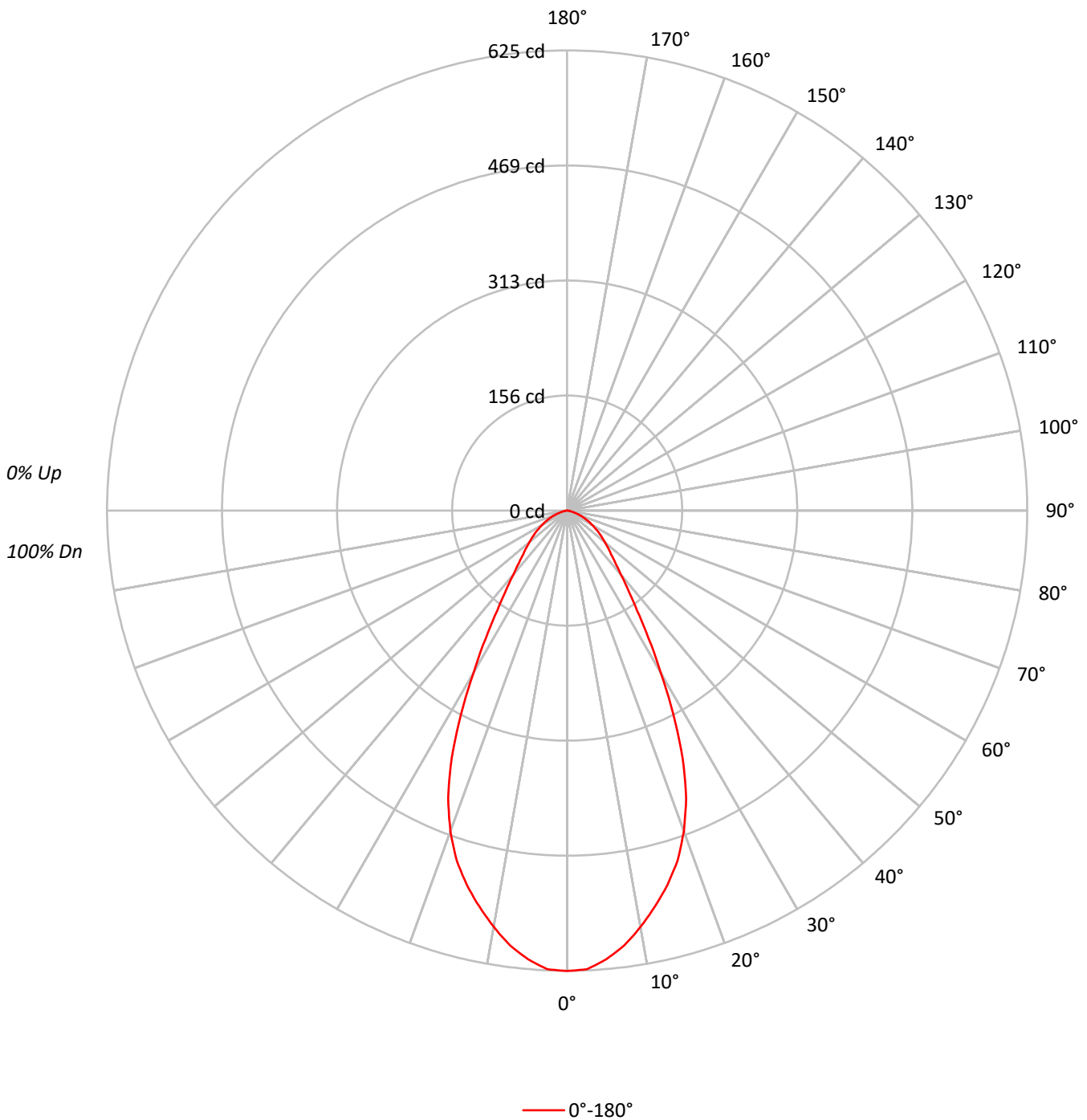
Input Watts (W): 10  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	103	100	98		99	97	95		95	94	93	91
2	105	99	94	90	103	98	93	89	94	91	87		91	88	85		88	86	84	82
3	99	91	85	80	97	90	84	80	87	82	78		84	80	77		82	79	76	74
4	93	84	77	72	91	83	77	72	80	75	71		78	74	70		76	72	69	68
5	87	78	71	66	86	77	70	65	75	69	65		73	68	64		71	67	64	62
6	82	72	65	60	81	71	65	60	70	64	60		68	63	59		67	62	59	57
7	78	67	60	56	76	66	60	55	65	59	55		64	59	55		63	58	54	53
8	74	63	56	51	72	62	56	51	61	55	51		60	55	51		59	54	51	49
9	70	59	52	48	69	59	52	48	58	52	48		57	51	48		56	51	47	46
10	66	56	49	45	65	55	49	45	54	49	45		53	48	45		53	48	44	43

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

	0°
0°	44773
5°	43959
10°	41748
15°	39021
20°	35310
25°	29326
30°	21042
35°	14440
40°	10627
45°	8587
50°	7474
55°	6566
60°	5671
65°	4829
70°	3810
75°	2656
80°	1691
85°	1807



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	57.2	9.0
10°-20°	146.9	23.2
20°-30°	166.6	26.3
30°-40°	106.8	16.9
40°-50°	66.9	10.6
50°-60°	47.2	7.5
60°-70°	28.4	4.5
70°-80°	10.8	1.7
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°	370.7	58.6
0°-40°	477.5	75.4
0°-60°	591.6	93.5
0°-90°	633.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	633.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	625	
5°	612	57
15°	526	147
25°	371	167
35°	165	107
45°	85	67
55°	53	47
65°	28	28
75°	10	11
85°	2	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	625.3
2.5°	623.5
5°	611.6
7.5°	595.7
10°	574.2
12.5°	550.9
15°	526.4
17.5°	498.6
20°	463.4
22.5°	422.3
25°	371.2
27.5°	312.3
30°	254.5
32.5°	205.6
35°	165.2
37.5°	136.0
40°	113.7
42.5°	97.4
45°	84.8
47.5°	75.6
50°	67.1
52.5°	59.6
55°	52.6
57.5°	45.9
60°	39.6
62.5°	34.1
65°	28.5
67.5°	23.3
70°	18.2
72.5°	13.7
75°	9.6
77.5°	6.7
80°	4.1
82.5°	2.6
85°	2.2
87.5°	1.1
90°	0.0

(END OF REPORT)