

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: P365325

Luminaire Tested: **FLD6BX15D010-FEU6B12-8050-F6LBXVM1-MW-BL89AM**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365325  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-40)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX15D010-FEU6B12-8050-F6LBXVM1-MW-BL89AM  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, OPAL SMOOTH 0.125", 1500LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 524.0 lumens  
Efficiency: N/A  
Efficacy: 36.9 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37  
Luminous Opening: Circular (Dia: 0.71' x H: 0')  
CIE Type: Direct

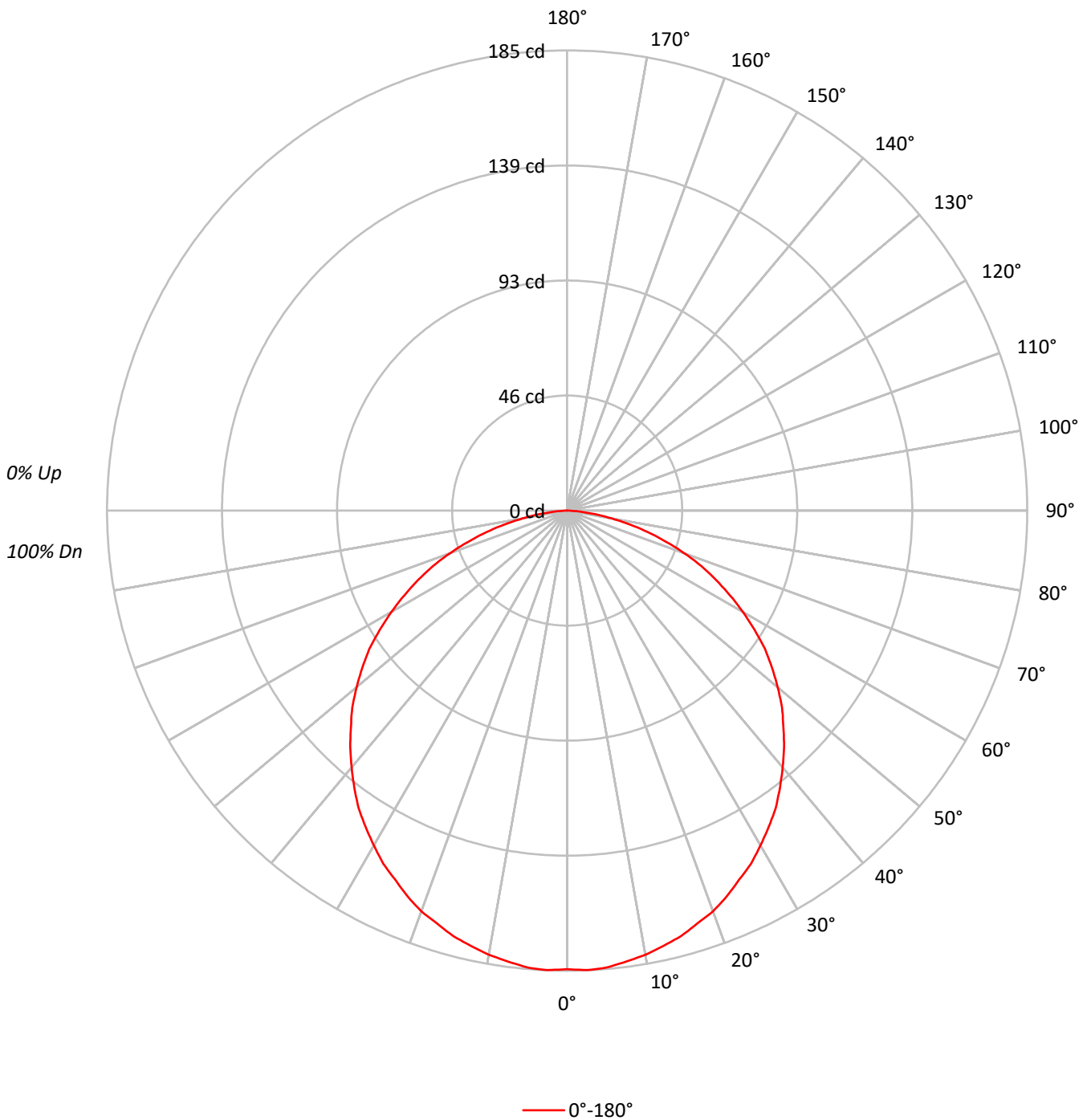
Input Watts (W): 14.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	109	104	100	96	106	102	98	95	98	94	92		94	91	89		90	88	86	84
2	99	91	84	78	96	89	83	77	85	80	75		82	78	74		79	75	72	70
3	90	80	71	65	88	78	70	64	75	69	63		72	67	62		70	65	61	59
4	82	70	62	55	80	69	61	55	67	59	54		64	58	53		62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	46		58	51	46		56	50	45	43
6	70	57	48	41	68	56	47	41	54	46	41		52	45	40		51	45	40	38
7	65	51	42	36	63	50	42	36	49	41	36		47	41	36		46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32		43	37	32		42	36	32	30
9	56	43	35	29	55	42	34	29	41	34	29		40	33	29		39	33	29	27
10	53	40	32	26	52	39	31	26	38	31	26		37	31	26		36	30	26	24

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

	0°
0°	5037
5°	5056
10°	5029
15°	5008
20°	4985
25°	4934
30°	4901
35°	4872
40°	4807
45°	4748
50°	4696
55°	4624
60°	4458
65°	4272
70°	4001
75°	3546
80°	2847
85°	1630



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	17.5	3.3
10°-20°	49.9	9.5
20°-30°	75.6	14.4
30°-40°	91.2	17.4
40°-50°	95.0	18.1
50°-60°	86.4	16.5
60°-70°	65.4	12.5
70°-80°	35.7	6.8
80°-90°	7.4	1.4
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°	143.0	27.3
0°-40°	234.2	44.7
0°-60°	415.6	79.3
0°-90°	524.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	524.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	184	
5°	184	17
15°	177	50
25°	164	76
35°	146	91
45°	123	95
55°	97	86
65°	66	65
75°	34	36
85°	5	7
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	184.4
2.5°	184.9
5°	184.4
7.5°	182.8
10°	181.3
12.5°	179.2
15°	177.1
17.5°	174.0
20°	171.5
22.5°	167.8
25°	163.7
27.5°	160.1
30°	155.4
32.5°	150.8
35°	146.1
37.5°	140.5
40°	134.8
42.5°	129.1
45°	122.9
47.5°	117.2
50°	110.5
52.5°	103.8
55°	97.1
57.5°	89.3
60°	81.6
62.5°	73.8
65°	66.1
67.5°	58.4
70°	50.1
72.5°	41.8
75°	33.6
77.5°	25.8
80°	18.1
82.5°	11.4
85°	5.2
87.5°	1.5
90°	0.0

(END OF REPORT)