

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: P365286

Luminaire Tested: **FLD6BX15D010-FEU6B12-8035-F6LBXVM1-MW-BL85**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365286  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-37)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX15D010-FEU6B12-8035-F6LBXVM1-MW-BL85  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.187", 1500LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1144.0 lumens  
Efficiency: N/A  
Efficacy: 80.6 lumens/watt  
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.95  
Luminous Opening: Circular (Dia: 0.71' x H: 0')  
CIE Type: Direct

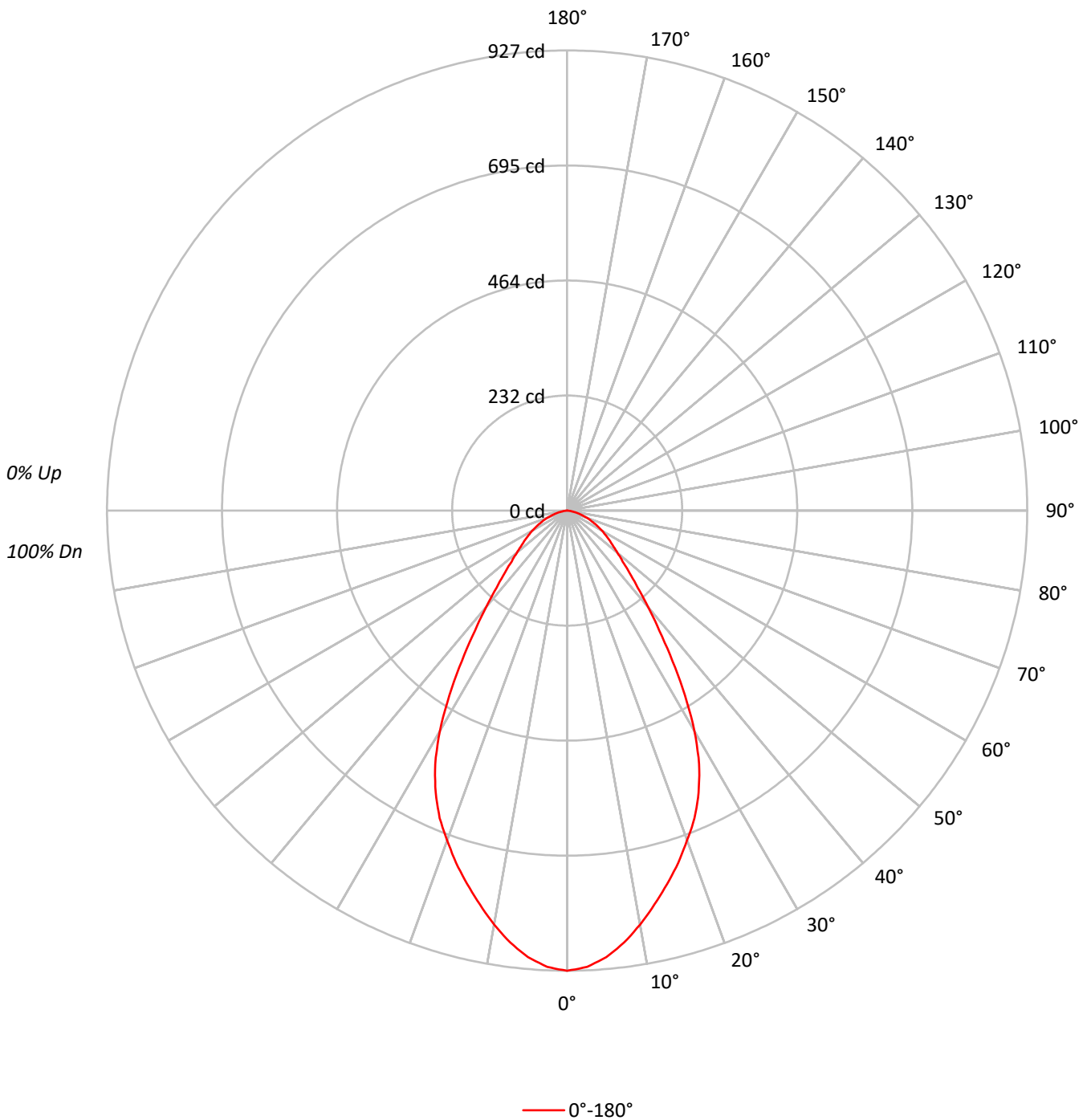
Input Watts (W): 14.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	112	108	105	102	109	106	103	101	102	100	97	98	96	94	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	75	80	77	74	72
4	91	82	75	69	89	80	74	69	78	73	68	76	71	67	74	70	67	65
5	85	75	68	63	83	74	67	62	72	66	62	70	65	61	69	64	60	59
6	80	69	62	57	78	68	62	57	67	61	56	65	60	56	64	59	55	54
7	75	64	57	52	74	63	57	52	62	56	51	61	55	51	60	55	51	49
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45
9	67	56	49	44	66	55	49	44	54	48	44	53	48	44	52	47	44	42
10	64	52	46	41	62	52	45	41	51	45	41	50	45	41	49	44	41	39

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

	0°
0°	25324
5°	24765
10°	23487
15°	22015
20°	20543
25°	18894
30°	16187
35°	12325
40°	9053
45°	6857
50°	5618
55°	4938
60°	4414
65°	3865
70°	3306
75°	2575
80°	1730
85°	784



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	84.4	7.4
10°-20°	218.5	19.1
20°-30°	284.8	24.9
30°-40°	232.2	20.3
40°-50°	140.6	12.3
50°-60°	93.4	8.2
60°-70°	59.7	5.2
70°-80°	26.5	2.3
80°-90°	3.9	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°	587.8	51.4
0°-40°	820.0	71.7
0°-60°	1053.9	92.1
0°-90°	1144.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1144.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	927	
5°	903	84
15°	778	219
25°	627	285
35°	370	232
45°	178	141
55°	104	93
65°	60	60
75°	24	26
85°	2	4
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	927.1
2.5°	920.2
5°	903.2
7.5°	877.8
10°	846.8
12.5°	812.9
15°	778.5
17.5°	744.1
20°	706.7
22.5°	670.8
25°	626.9
27.5°	576.0
30°	513.2
32.5°	441.4
35°	369.6
37.5°	304.7
40°	253.9
42.5°	210.5
45°	177.5
47.5°	151.6
50°	132.2
52.5°	116.2
55°	103.7
57.5°	91.8
60°	80.8
62.5°	70.3
65°	59.8
67.5°	50.4
70°	41.4
72.5°	32.4
75°	24.4
77.5°	17.5
80°	11.0
82.5°	6.0
85°	2.5
87.5°	0.5
90°	0.0

(END OF REPORT)