

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: P365252

Luminaire Tested: **FLD6BX15D010-FEU6B12-8027-F6LBXVM1-MW-BL87**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365252
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-39)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX15D010-FEU6B12-8027-F6LBXVM1-MW-BL87
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.375", 1500LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1015.9 lumens
Efficiency: N/A
Efficacy: 71.5 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

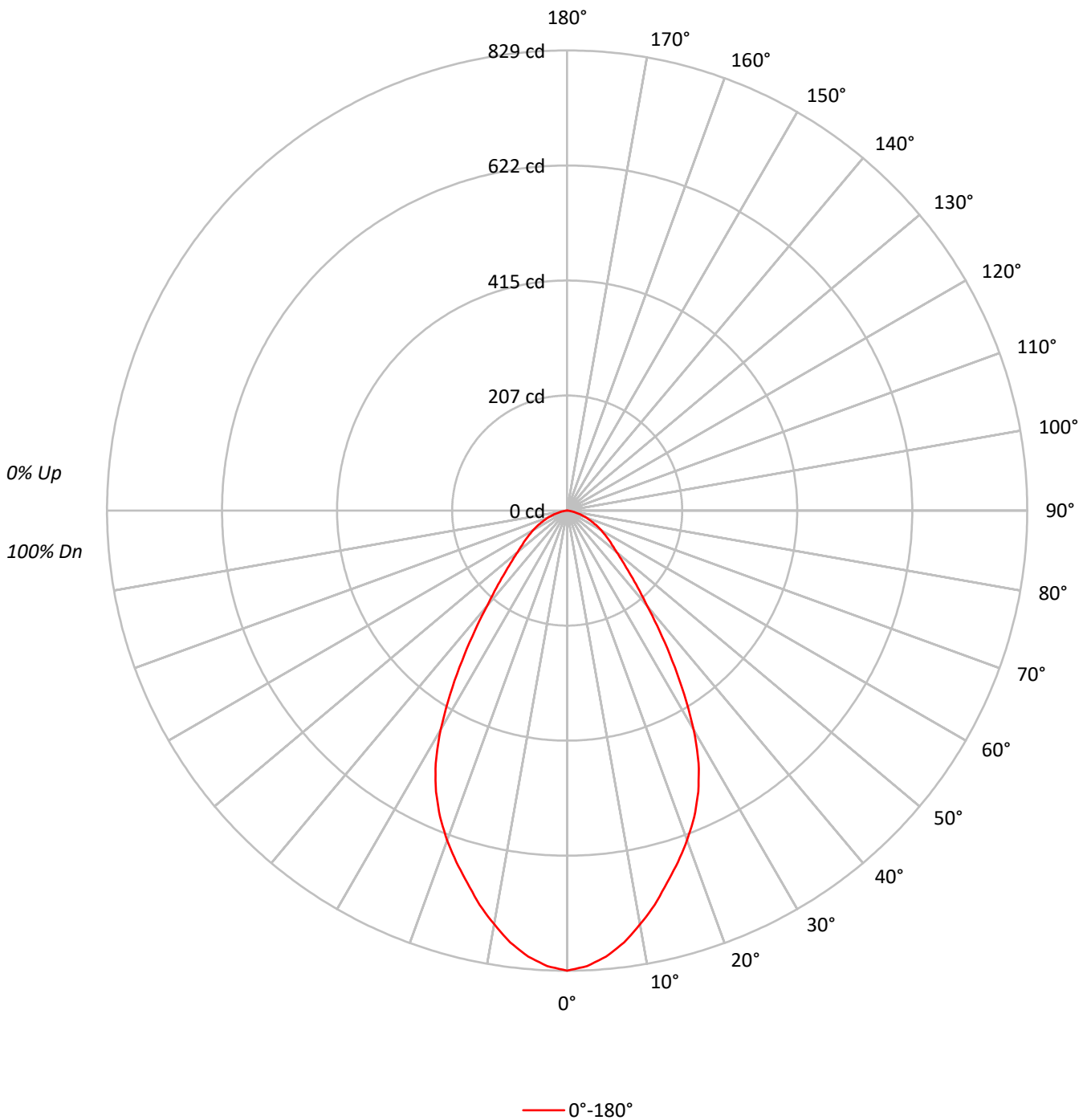
Input Watts (W): 14.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	98	98	96	95	95	93	92	90
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	80
3	98	89	83	78	95	88	82	78	85	80	76	83	78	75	80	77	74	72
4	91	82	75	70	89	81	74	69	78	73	68	76	71	68	74	70	67	65
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	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	64	57	52	62	56	52	61	55	51	60	55	51	49
8	71	60	53	48	70	59	53	48	58	52	48	57	51	47	56	51	47	46
9	67	56	49	44	66	55	49	44	54	48	44	53	48	44	52	47	44	42
10	64	52	46	41	63	52	46	41	51	45	41	50	45	41	49	44	41	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	22642
5°	22111
10°	20994
15°	19631
20°	18371
25°	16851
30°	14376
35°	11004
40°	8002
45°	6103
50°	4946
55°	4343
60°	3857
65°	3354
70°	2835
75°	2216
80°	1463
85°	595



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.4	7.4
10°-20°	195.2	19.2
20°-30°	253.8	25.0
30°-40°	206.8	20.4
40°-50°	124.9	12.3
50°-60°	82.0	8.1
60°-70°	51.8	5.1
70°-80°	22.6	2.2
80°-90°	3.3	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°	524.4	51.6
0°-40°	731.3	72.0
0°-60°	938.2	92.3
0°-90°	1015.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1015.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	829	
5°	806	75
15°	694	195
25°	559	254
35°	330	207
45°	158	125
55°	91	82
65°	52	52
75°	21	23
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	828.9
2.5°	821.4
5°	806.4
7.5°	784.9
10°	756.9
12.5°	727.9
15°	694.2
17.5°	663.8
20°	632.0
22.5°	597.9
25°	559.1
27.5°	512.8
30°	455.8
32.5°	392.2
35°	330.0
37.5°	273.0
40°	224.4
42.5°	187.9
45°	158.0
47.5°	134.6
50°	116.4
52.5°	102.4
55°	91.2
57.5°	80.4
60°	70.6
62.5°	61.2
65°	51.9
67.5°	43.5
70°	35.5
72.5°	28.0
75°	21.0
77.5°	14.5
80°	9.3
82.5°	5.1
85°	1.9
87.5°	0.5
90°	0.0

(END OF REPORT)