

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: P365253

Luminaire Tested: **FLD6BX15D010-FEU6B12-8027-F6LBXVM1-MW-BL89AM**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365253
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-FEU6B12-8027-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: 475.0 lumens
Efficiency: N/A
Efficacy: 33.4 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

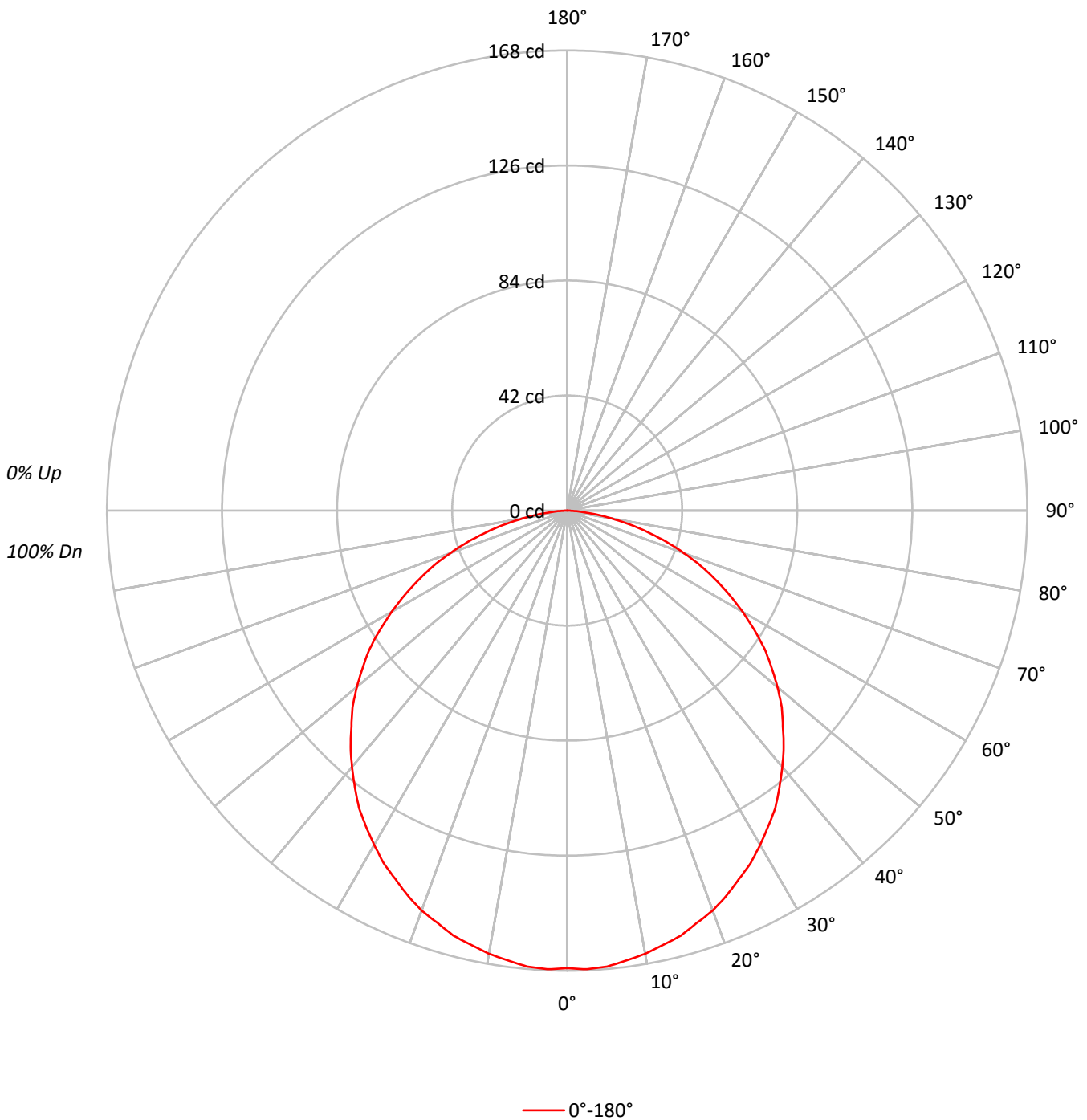
Input Watts (W): 14.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	4564
5°	4582
10°	4557
15°	4542
20°	4517
25°	4473
30°	4444
35°	4418
40°	4357
45°	4303
50°	4258
55°	4191
60°	4043
65°	3872
70°	3626
75°	3208
80°	2580
85°	1473



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.8	3.3
10°-20°	45.3	9.5
20°-30°	68.5	14.4
30°-40°	82.7	17.4
40°-50°	86.1	18.1
50°-60°	78.3	16.5
60°-70°	59.2	12.5
70°-80°	32.3	6.8
80°-90°	6.7	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°	129.6	27.3
0°-40°	212.3	44.7
0°-60°	376.8	79.3
0°-90°	475.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	475.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	167	
5°	167	16
15°	161	45
25°	148	69
35°	132	83
45°	111	86
55°	88	78
65°	60	59
75°	30	32
85°	5	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	167.1
2.5°	167.6
5°	167.1
7.5°	165.7
10°	164.3
12.5°	162.4
15°	160.6
17.5°	157.8
20°	155.4
22.5°	152.1
25°	148.4
27.5°	145.1
30°	140.9
32.5°	136.7
35°	132.5
37.5°	127.3
40°	122.2
42.5°	117.0
45°	111.4
47.5°	106.3
50°	100.2
52.5°	94.1
55°	88.0
57.5°	81.0
60°	74.0
62.5°	66.9
65°	59.9
67.5°	52.9
70°	45.4
72.5°	37.9
75°	30.4
77.5°	23.4
80°	16.4
82.5°	10.3
85°	4.7
87.5°	1.4
90°	0.0

(END OF REPORT)