

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: P365336

Luminaire Tested: **FLD6BX15D010-FEU6B12-8050-F6LBXVM1-MW-BTR89BV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365336
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-12)
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-BTR89BV
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM ACRYLIC, CLEAR 0.125", 1500LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 967.0 lumens
Efficiency: N/A
Efficacy: 68.1 lumens/watt
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.84
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

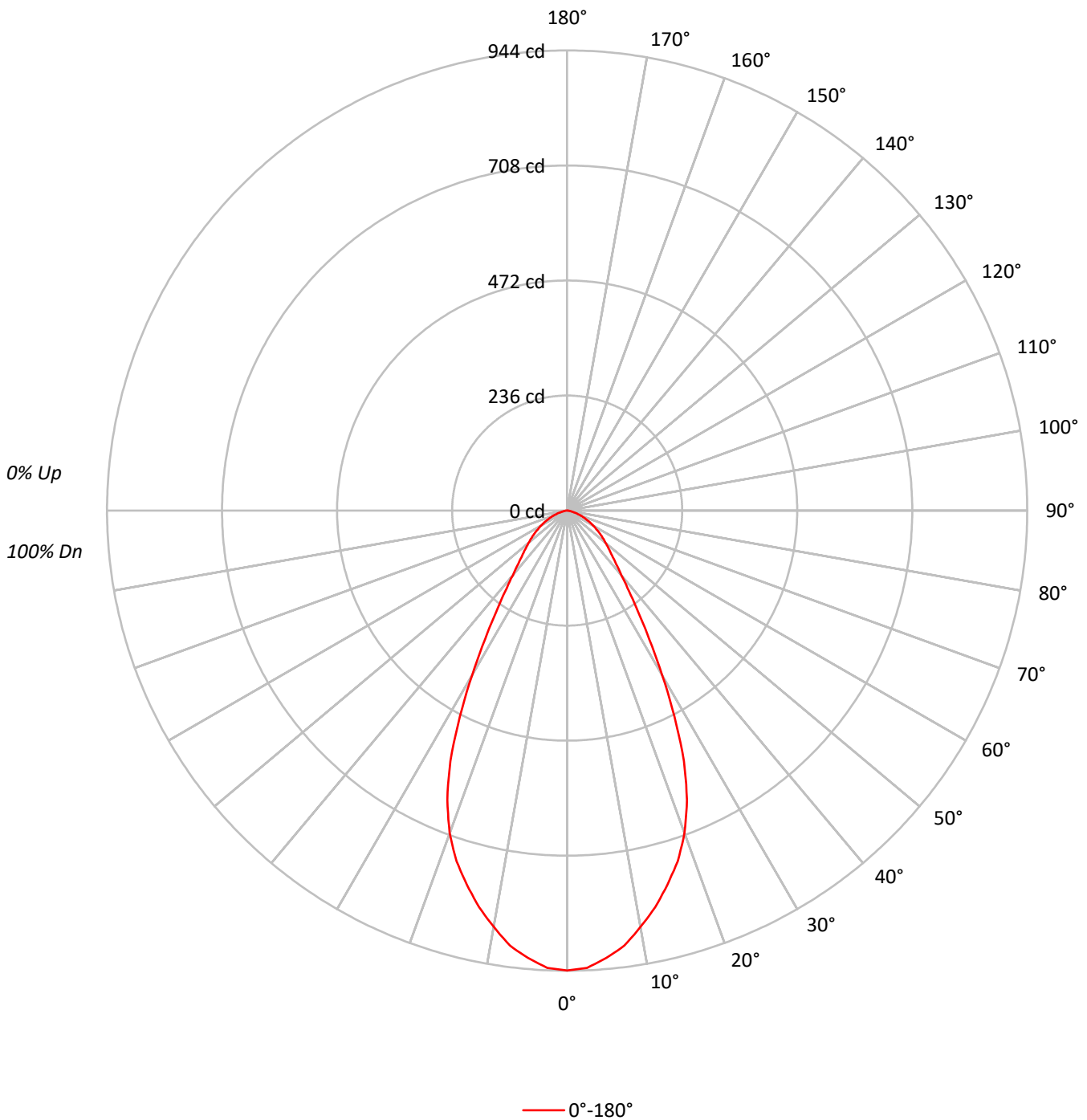
Input Watts (W): 14.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P365336

CATALOG NUMBER: FLD6BX15D010-FEU6B12-8050-F6LBXVM1-MW-BTR89BV

Luminous Intensity Polar Plot





TEST NUMBER: P365336

CATALOG NUMBER: FLD6BX15D010-FEU6B12-8050-F6LBXVM1-MW-BTR89BV

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	102	100	98		99	97	95		95	94	92	91
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	86	83	82
3	99	91	85	80	96	89	84	79	87	82	78		84	80	77		82	78	76	74
4	93	84	77	72	91	82	76	72	80	75	71		78	74	70		76	72	69	67
5	87	77	70	65	85	76	70	65	74	69	64		73	68	64		71	67	63	62
6	82	72	65	60	81	71	64	60	69	64	59		68	63	59		66	62	58	57
7	78	67	60	55	76	66	60	55	65	59	55		64	58	54		62	58	54	53
8	73	63	56	51	72	62	56	51	61	55	51		60	54	51		59	54	50	49
9	70	59	52	48	68	58	52	48	57	51	47		56	51	47		55	51	47	46
10	66	55	49	45	65	55	49	45	54	48	44		53	48	44		52	48	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	67556
5°	66219
10°	63051
15°	58887
20°	53658
25°	44787
30°	32203
35°	22228
40°	16245
45°	13164
50°	11496
55°	10174
60°	8864
65°	7522
70°	6050
75°	4288
80°	2969
85°	3368



TEST NUMBER: P365336

CATALOG NUMBER: FLD6BX15D010-FEU6B12-8050-F6LBXVM1-MW-BTR89BV

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.3	8.9
10°-20°	222.2	23.0
20°-30°	253.9	26.3
30°-40°	163.4	16.9
40°-50°	102.4	10.6
50°-60°	73.1	7.6
60°-70°	44.3	4.6
70°-80°	17.4	1.8
80°-90°	3.9	0.4
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°	562.4	58.2
0°-40°	725.8	75.1
0°-60°	901.3	93.2
0°-90°	967.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	967.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	944	
5°	921	86
15°	794	222
25°	567	254
35°	254	163
45°	130	102
55°	82	73
65°	44	44
75°	16	17
85°	4	4
90°	0	



TEST NUMBER: P365336

CATALOG NUMBER: FLD6BX15D010-FEU6B12-8050-F6LBXVM1-MW-BTR89BV

CANDELA DISTRIBUTION (FULL):

0°	
0°	943.5
2.5°	938.9
5°	921.3
7.5°	900.2
10°	867.2
12.5°	833.6
15°	794.4
17.5°	754.2
20°	704.2
22.5°	642.3
25°	566.9
27.5°	476.1
30°	389.5
32.5°	313.1
35°	254.3
37.5°	207.9
40°	173.8
42.5°	148.6
45°	130.0
47.5°	115.6
50°	103.2
52.5°	92.3
55°	81.5
57.5°	71.2
60°	61.9
62.5°	53.1
65°	44.4
67.5°	36.6
70°	28.9
72.5°	21.7
75°	15.5
77.5°	10.8
80°	7.2
82.5°	4.6
85°	4.1
87.5°	2.1
90°	0.0

(END OF REPORT)