

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: P365168

Luminaire Tested: **FLD6BX10D010-FEU6B12-8027-F6LBXVM1-MW-BTR82**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365168
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-20)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX10D010-FEU6B12-8027-F6LBXVM1-MW-BTR82
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.187", 1000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 555.0 lumens
Efficiency: N/A
Efficacy: 55.5 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.09
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

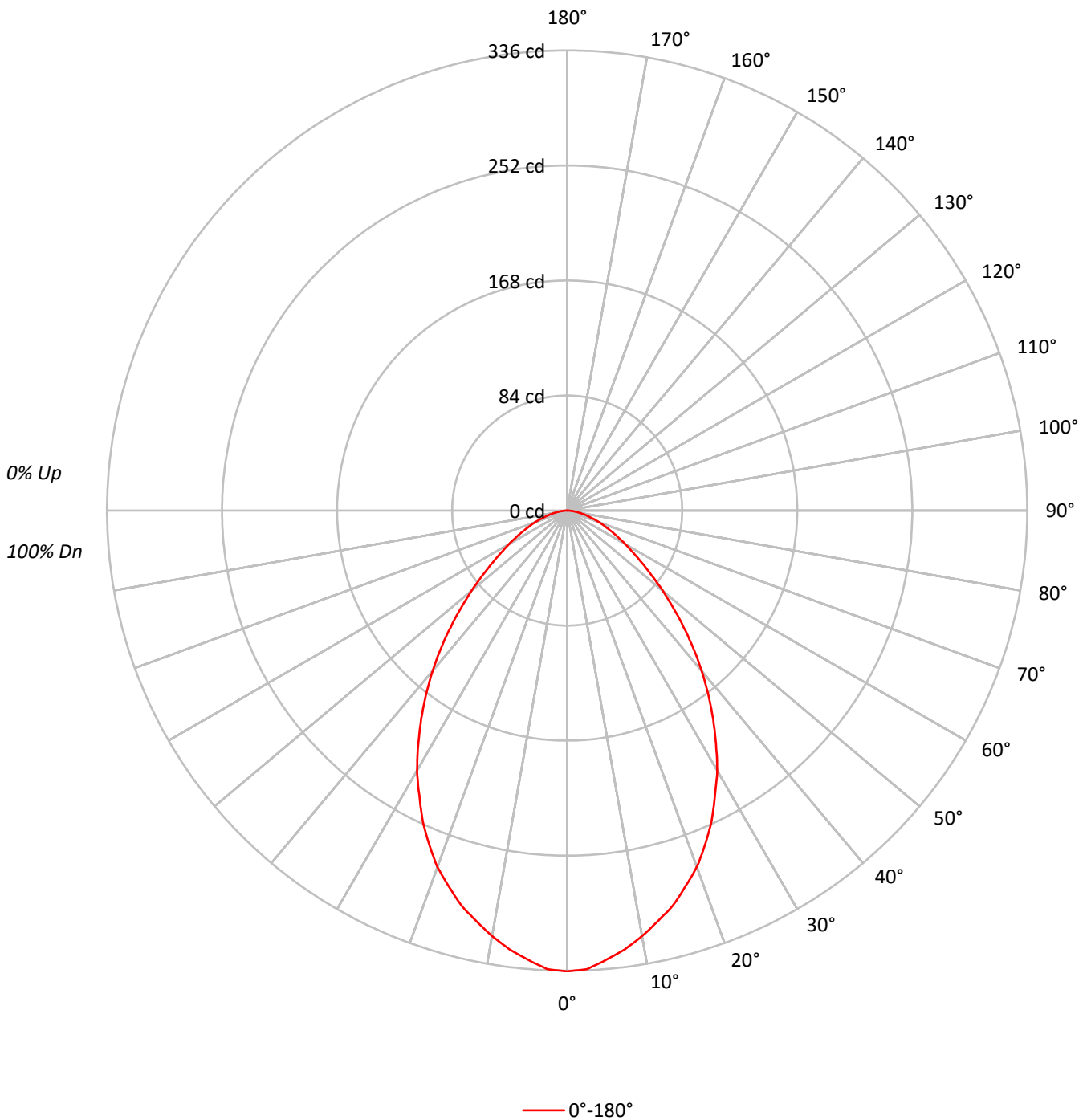
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P365168

CATALOG NUMBER: FLD6BX10D010-FEU6B12-8027-F6LBXVM1-MW-BTR82

Luminous Intensity Polar Plot





TEST NUMBER: P365168

CATALOG NUMBER: FLD6BX10D010-FEU6B12-8027-F6LBXVM1-MW-BTR82

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	111	107	104	100	108	105	102	99	101	98	96		97	95	93		93	92	90	88
2	103	96	90	86	100	94	89	85	91	86	83		88	84	81		85	82	79	77
3	95	86	79	74	93	85	78	73	82	77	72		79	75	71		77	73	70	68
4	88	78	71	65	86	77	70	64	74	68	64		72	67	63		70	66	62	60
5	82	71	63	58	80	70	63	57	68	62	57		66	61	56		64	59	56	54
6	77	65	57	52	75	64	57	51	62	56	51		61	55	50		59	54	50	48
7	72	60	52	46	70	59	52	46	57	51	46		56	50	46		55	50	45	44
8	67	55	47	42	66	54	47	42	53	47	42		52	46	42		51	46	41	40
9	63	51	44	39	62	51	43	39	49	43	38		48	42	38		47	42	38	36
10	60	48	40	36	58	47	40	36	46	40	35		45	39	35		44	39	35	34

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	24094
5°	23661
10°	22939
15°	22135
20°	21107
25°	19735
30°	18123
35°	16241
40°	14282
45°	12161
50°	10159
55°	8326
60°	7003
65°	5947
70°	5192
75°	4371
80°	3546
85°	2793



TEST NUMBER: P365168

CATALOG NUMBER: FLD6BX10D010-FEU6B12-8027-F6LBXVM1-MW-BTR82

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.0	5.6
10°-20°	83.7	15.1
20°-30°	114.4	20.6
30°-40°	115.9	20.9
40°-50°	93.0	16.8
50°-60°	60.6	10.9
60°-70°	35.4	6.4
70°-80°	17.0	3.1
80°-90°	4.1	0.7
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°	229.1	41.3
0°-40°	345.1	62.2
0°-60°	498.6	89.8
0°-90°	555.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	555.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	336	
5°	329	31
15°	299	84
25°	250	114
35°	186	116
45°	120	93
55°	67	61
65°	35	35
75°	16	17
85°	3	4
90°	0	



TEST NUMBER: P365168

CATALOG NUMBER: FLD6BX10D010-FEU6B12-8027-F6LBXVM1-MW-BTR82

CANDELA DISTRIBUTION (FULL):

0°	
0°	336.5
2.5°	335.1
5°	329.2
7.5°	323.1
10°	315.5
12.5°	306.9
15°	298.6
17.5°	287.6
20°	277.0
22.5°	263.5
25°	249.8
27.5°	233.9
30°	219.2
32.5°	202.3
35°	185.8
37.5°	169.3
40°	152.8
42.5°	136.6
45°	120.1
47.5°	104.9
50°	91.2
52.5°	77.8
55°	66.7
57.5°	57.1
60°	48.9
62.5°	41.6
65°	35.1
67.5°	29.6
70°	24.8
72.5°	20.0
75°	15.8
77.5°	12.0
80°	8.6
82.5°	5.8
85°	3.4
87.5°	1.4
90°	0.0

(END OF REPORT)