

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: P364544

Luminaire Tested: **FLD6BX15D010-FEU6B12-8027-F6LBXVM1-LI-BTR89BV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364544
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-22)
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-LI-BTR89BV
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM ACRYLIC, CLEAR 0.125", 1500LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1109.0 lumens
Efficiency: N/A
Efficacy: 78.1 lumens/watt
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.77
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

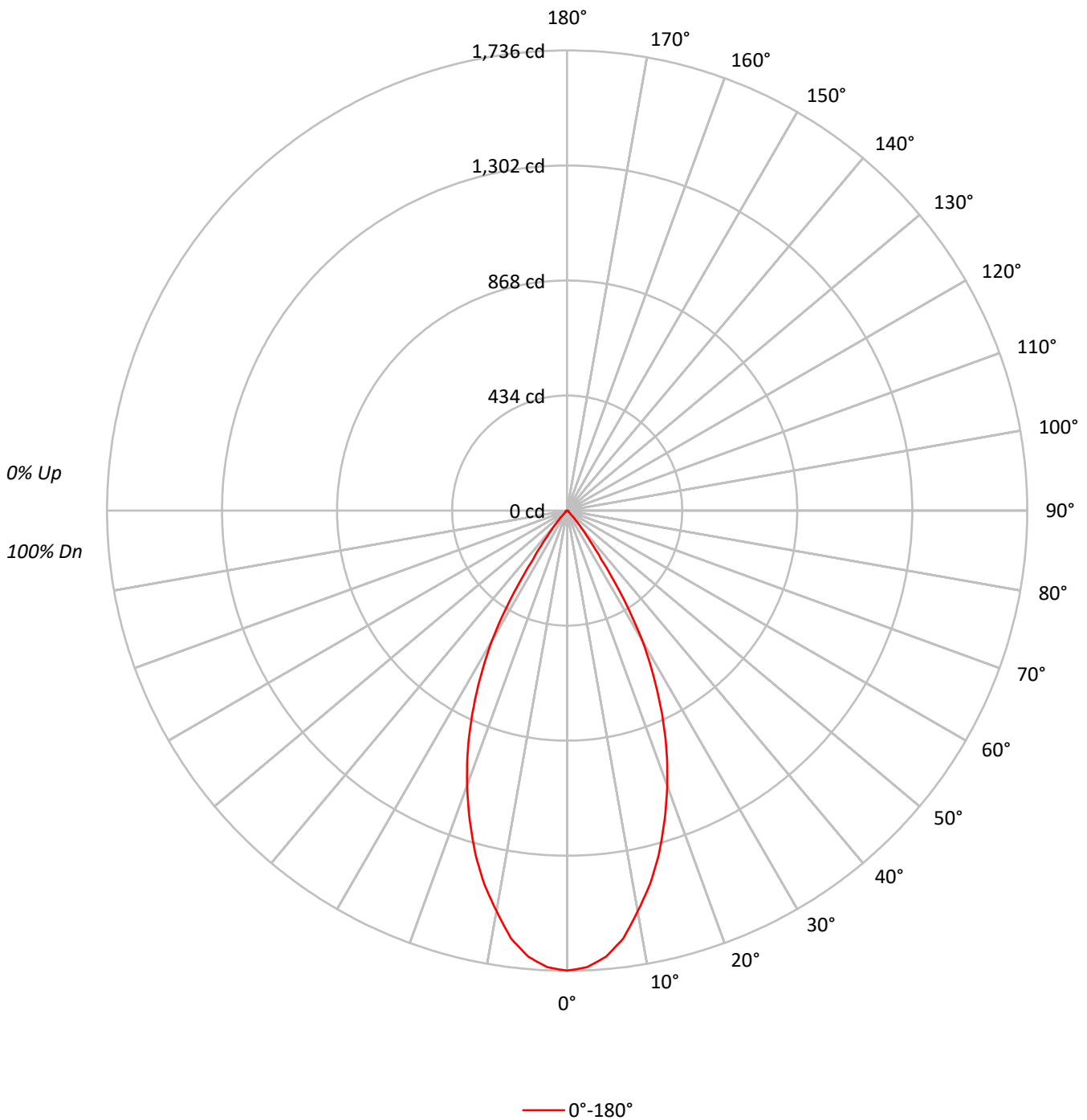
Input Watts (W): 14.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P364544

CATALOG NUMBER: FLD6BX15D010-FEU6B12-8027-F6LBXVM1-LI-BTR89BV

Luminous Intensity Polar Plot





TEST NUMBER: P364544

CATALOG NUMBER: FLD6BX15D010-FEU6B12-8027-F6LBXVM1-LI-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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	100	97	107	102	99	96	99	96	94	96	94	92	94	92	90	89
3	104	98	93	90	102	97	92	89	94	90	87	92	89	86	89	87	85	83
4	99	92	87	83	97	91	86	83	89	85	82	87	84	81	85	82	80	79
5	95	87	82	78	93	86	81	77	84	80	77	83	79	76	81	78	75	74
6	91	82	77	73	89	82	76	73	80	76	72	79	75	72	78	74	71	70
7	87	78	73	69	85	77	72	69	76	72	68	75	71	68	74	70	68	66
8	83	74	69	65	82	74	68	65	73	68	65	72	67	64	71	67	64	63
9	79	71	65	62	78	70	65	61	69	65	61	68	64	61	68	64	61	60
10	76	67	62	58	75	67	62	58	66	61	58	65	61	58	65	61	58	57

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	124265
5°	121376
10°	111561
15°	99287
20°	84099
25°	66877
30°	47019
35°	19623
40°	6777
45°	1752
50°	891
55°	811
60°	802
65°	796
70°	775
75°	1024
80°	1155
85°	1890



TEST NUMBER: P364544

CATALOG NUMBER: FLD6BX15D010-FEU6B12-8027-F6LBXVM1-LI-BTR89BV

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.3	14.1
10°-20°	371.0	33.5
20°-30°	382.9	34.5
30°-40°	162.8	14.7
40°-50°	19.6	1.8
50°-60°	5.9	0.5
60°-70°	4.6	0.4
70°-80°	3.7	0.3
80°-90°	2.2	0.2
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°	910.2	82.1
0°-40°	1073.1	96.8
0°-60°	1098.5	99.1
0°-90°	1109.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1109.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1736	
5°	1689	156
15°	1339	371
25°	846	383
35°	224	163
45°	17	20
55°	6	6
65°	5	5
75°	4	4
85°	2	2
90°	0	



TEST NUMBER: P364544

CATALOG NUMBER: FLD6BX15D010-FEU6B12-8027-F6LBXVM1-LI-BTR89BV

CANDELA DISTRIBUTION (FULL):

	0°
0°	1735.5
2.5°	1724.3
5°	1688.7
7.5°	1627.0
10°	1534.4
12.5°	1443.2
15°	1339.4
17.5°	1222.5
20°	1103.7
22.5°	979.8
25°	846.5
27.5°	709.0
30°	568.7
32.5°	403.1
35°	224.5
37.5°	129.1
40°	72.5
42.5°	37.4
45°	17.3
47.5°	9.4
50°	8.0
52.5°	7.0
55°	6.5
57.5°	6.1
60°	5.6
62.5°	5.1
65°	4.7
67.5°	4.2
70°	3.7
72.5°	3.7
75°	3.7
77.5°	3.3
80°	2.8
82.5°	2.8
85°	2.3
87.5°	1.4
90°	0.0

(END OF REPORT)