

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: P364592

Luminaire Tested: **FLD6BX15D010-FEU6B12-8040-F6LBXVM1-LI-BTR82**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364592
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-26)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX15D010-FEU6B12-8040-F6LBXVM1-LI-BTR82
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.187", 1500LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1101.0 lumens
Efficiency: N/A
Efficacy: 77.5 lumens/watt
Spacing Criteria (0/90/45): 1.07 / 1.07 / 1.07
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

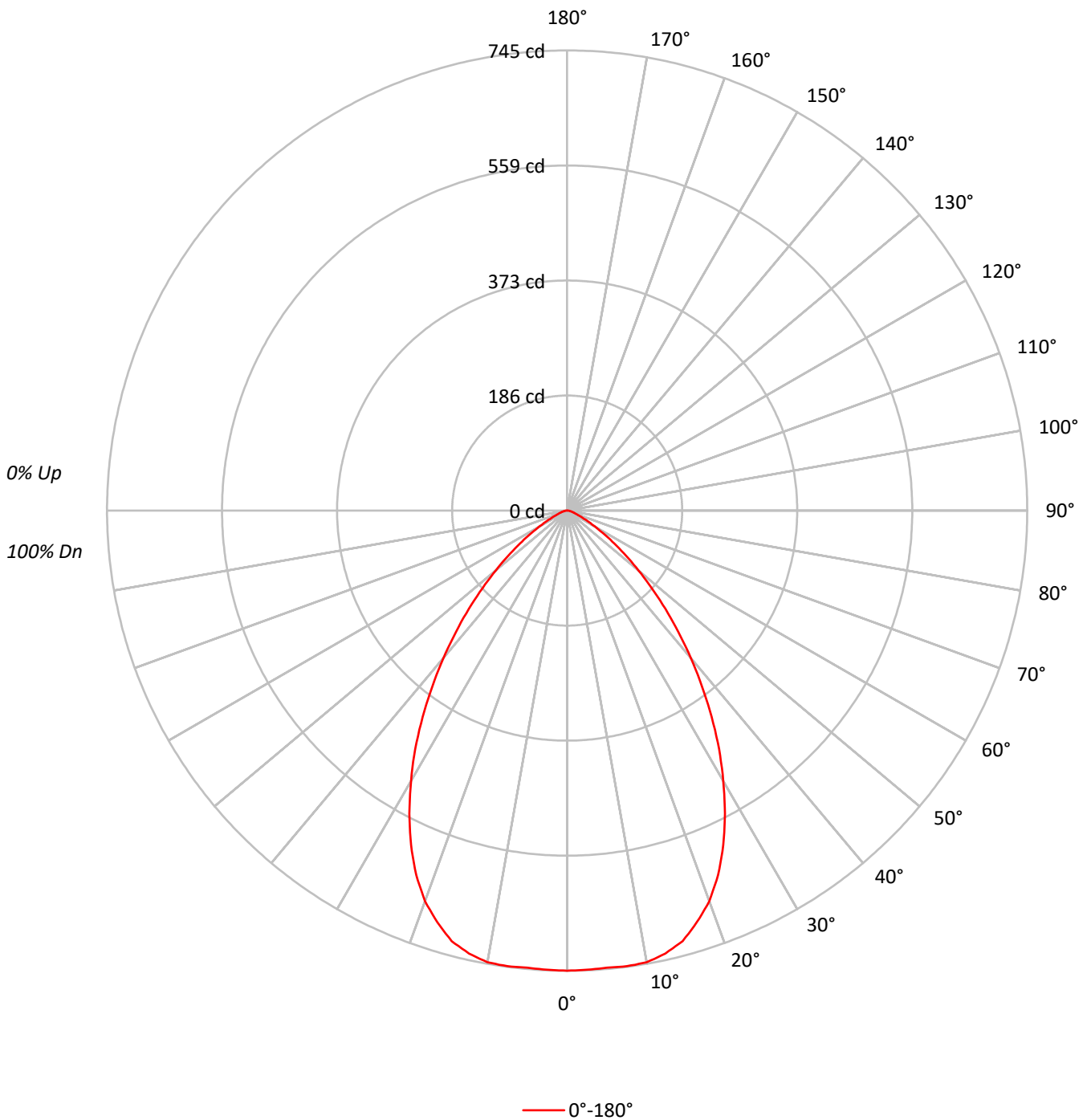
Input Watts (W): 14.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P364592

CATALOG NUMBER: FLD6BX15D010-FEU6B12-8040-F6LBXVM1-LI-BTR82

Luminous Intensity Polar Plot





TEST NUMBER: P364592

CATALOG NUMBER: FLD6BX15D010-FEU6B12-8040-F6LBXVM1-LI-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	112	109	106	103	110	107	104	101	102	100	98	99	97	95	95	94	93	91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81
3	98	90	84	79	96	89	83	79	86	81	77	84	80	76	81	78	75	73
4	92	83	76	71	90	81	75	70	79	74	69	77	72	69	75	71	68	66
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	69	65	61	60
6	81	70	63	57	79	69	62	57	67	61	57	66	60	56	64	60	56	54
7	76	65	57	52	74	64	57	52	62	56	52	61	56	52	60	55	51	50
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	43	42
10	63	52	45	41	62	52	45	41	51	45	41	50	44	40	49	44	40	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	53343
5°	53403
10°	53985
15°	53505
20°	51273
25°	47229
30°	41802
35°	35646
40°	29116
45°	22763
50°	16787
55°	11635
60°	7432
65°	4524
70°	3057
75°	2379
80°	2062
85°	2875



TEST NUMBER: P364592

CATALOG NUMBER: FLD6BX15D010-FEU6B12-8040-F6LBXVM1-LI-BTR82

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.0	6.4
10°-20°	201.8	18.3
20°-30°	273.0	24.8
30°-40°	254.0	23.1
40°-50°	174.0	15.8
50°-60°	85.7	7.8
60°-70°	28.7	2.6
70°-80°	9.5	0.9
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°	545.8	49.6
0°-40°	799.8	72.6
0°-60°	1059.5	96.2
0°-90°	1101.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1101.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	745	
5°	743	71
15°	722	202
25°	598	273
35°	408	254
45°	225	174
55°	93	86
65°	27	29
75°	9	10
85°	4	3
90°	0	



TEST NUMBER: P364592

CATALOG NUMBER: FLD6BX15D010-FEU6B12-8040-F6LBXVM1-LI-BTR82

CANDELA DISTRIBUTION (FULL):

0°	
0°	745.0
2.5°	744.0
5°	743.0
7.5°	744.0
10°	742.5
12.5°	734.4
15°	721.8
17.5°	698.6
20°	672.9
22.5°	638.6
25°	597.8
27.5°	553.4
30°	505.6
32.5°	457.7
35°	407.8
37.5°	358.4
40°	311.5
42.5°	266.1
45°	224.8
47.5°	185.5
50°	150.7
52.5°	120.5
55°	93.2
57.5°	71.1
60°	51.9
62.5°	37.3
65°	26.7
67.5°	19.2
70°	14.6
72.5°	11.1
75°	8.6
77.5°	6.6
80°	5.0
82.5°	4.0
85°	3.5
87.5°	2.0
90°	0.0

(END OF REPORT)