

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: P366535

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8030-F6LBXVM1-WMH-BTR81**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366535
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-31)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX70D010TE-FEU6B67-8030-F6LBXVM1-WMH-BTR81
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.156", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5031.0 lumens
Efficiency: N/A
Efficacy: 68.5 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.19
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

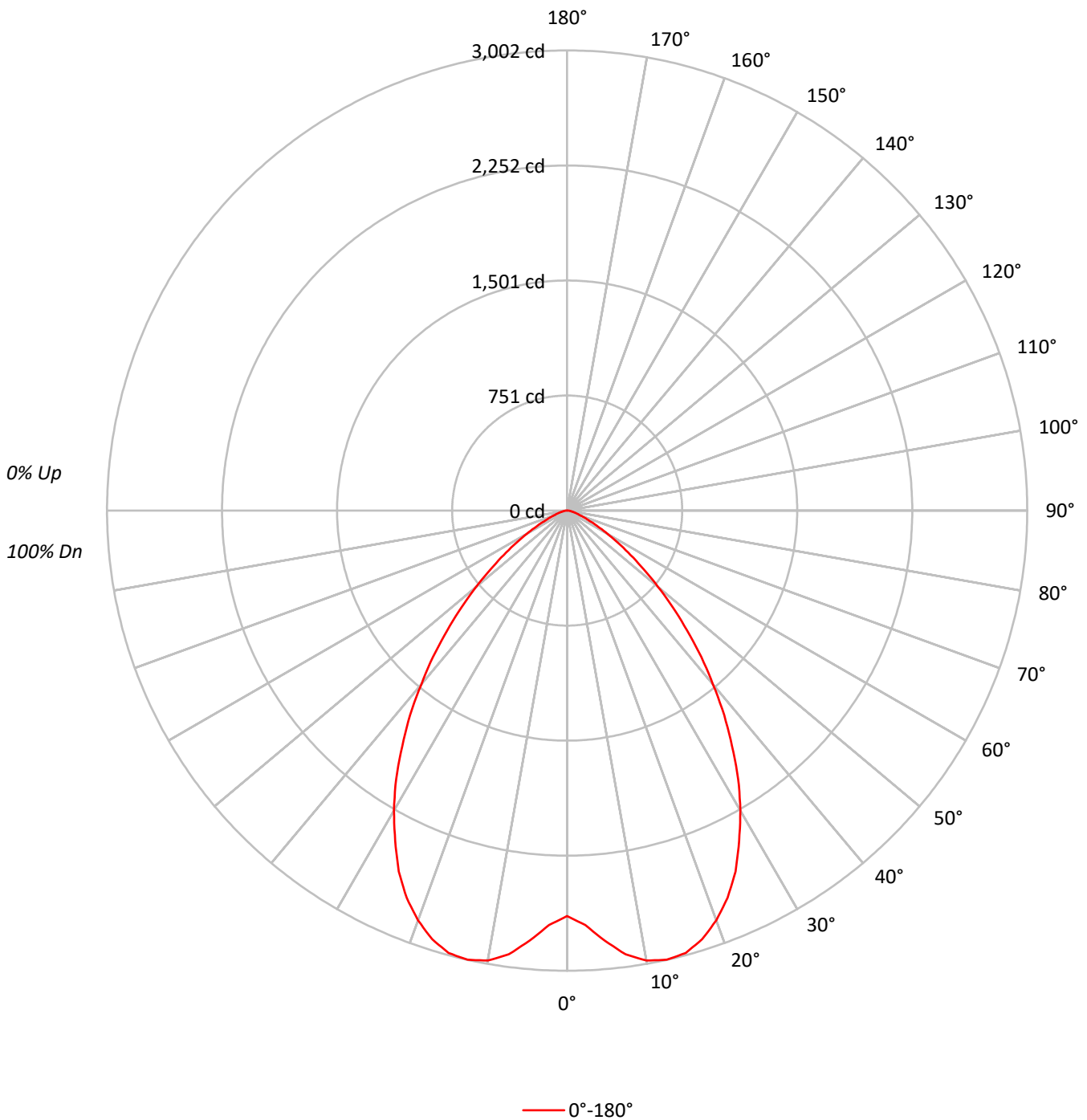
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P366535

CATALOG NUMBER: FLD6BX70D010TE-FEU6B67-8030-F6LBXVM1-WMH-BTR81

Luminous Intensity Polar Plot





TEST NUMBER: P366535

CATALOG NUMBER: FLD6BX70D010TE-FEU6B67-8030-F6LBXVM1-WMH-BTR81

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	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	90
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76	82	78	74	80	76	73	71
4	91	81	74	69	89	80	73	68	78	72	67	75	71	67	73	69	66	64
5	85	74	67	61	83	73	66	61	71	65	60	69	64	60	68	63	59	57
6	79	68	61	55	77	67	60	55	65	59	55	64	58	54	62	58	54	52
7	74	63	55	50	72	62	55	50	60	54	49	59	53	49	58	53	49	47
8	69	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	43
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	39
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	189380
5°	202415
10°	216702
15°	221464
20°	216735
25°	205252
30°	186854
35°	163911
40°	138419
45°	111933
50°	86274
55°	62991
60°	43348
65°	28633
70°	18674
75°	13639
80°	11628
85°	13473



TEST NUMBER: P366535

CATALOG NUMBER: FLD6BX70D010TE-FEU6B67-8030-F6LBXVM1-WMH-BTR81

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	274.1	5.4
10°-20°	836.6	16.6
20°-30°	1185.4	23.6
30°-40°	1169.1	23.2
40°-50°	857.0	17.0
50°-60°	459.5	9.1
60°-70°	176.6	3.5
70°-80°	56.3	1.1
80°-90°	16.6	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°	2296.1	45.6
0°-40°	3465.2	68.9
0°-60°	4781.6	95.0
0°-90°	5031.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5031.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2645	
5°	2816	274
15°	2988	837
25°	2598	1185
35°	1875	1169
45°	1105	857
55°	505	459
65°	169	177
75°	49	56
85°	16	17
90°	0	



TEST NUMBER: P366535

CATALOG NUMBER: FLD6BX70D010TE-FEU6B67-8030-F6LBXVM1-WMH-BTR81

CANDELA DISTRIBUTION (FULL):

0°	
0°	2644.9
2.5°	2705.9
5°	2816.2
7.5°	2919.5
10°	2980.5
12.5°	3001.7
15°	2987.6
17.5°	2931.2
20°	2844.4
22.5°	2734.1
25°	2598.0
27.5°	2429.0
30°	2260.0
32.5°	2077.0
35°	1875.2
37.5°	1682.7
40°	1480.9
42.5°	1295.5
45°	1105.4
47.5°	936.4
50°	774.5
52.5°	629.0
55°	504.6
57.5°	394.3
60°	302.7
62.5°	227.6
65°	169.0
67.5°	124.4
70°	89.2
72.5°	68.1
75°	49.3
77.5°	37.5
80°	28.2
82.5°	21.1
85°	16.4
87.5°	9.4
90°	0.0

(END OF REPORT)