

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: P366593

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8050-F6LBXVM1-WMH-BTR86**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366593
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-30)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX70D010TE-FEU6B67-8050-F6LBXVM1-WMH-BTR86
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.250", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5306.0 lumens
Efficiency: N/A
Efficacy: 72.3 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.8
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

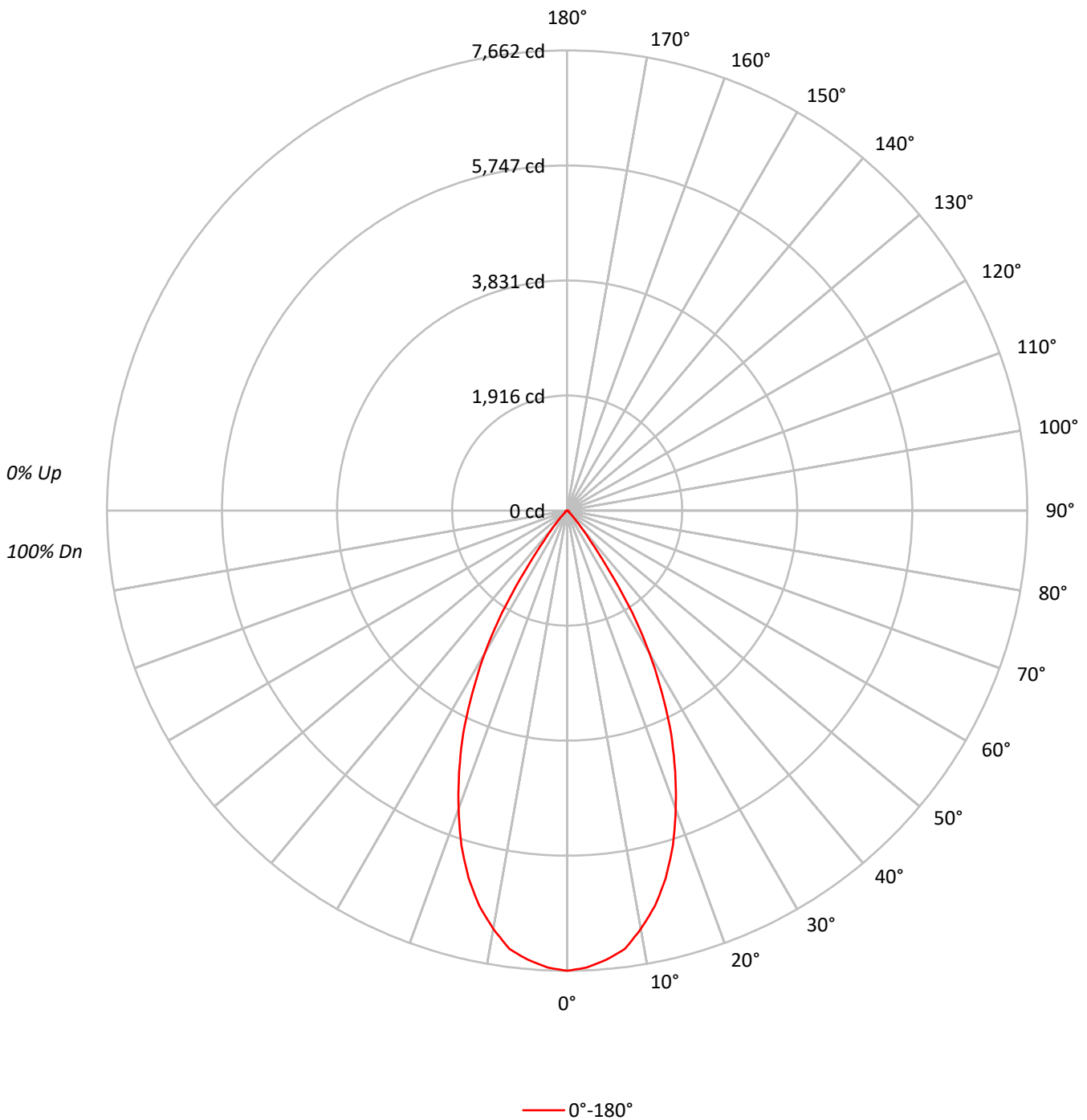
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P366593

CATALOG NUMBER: FLD6BX70D010TE-FEU6B67-8050-F6LBXVM1-WMH-BTR86

Luminous Intensity Polar Plot





TEST NUMBER: P366593

CATALOG NUMBER: FLD6BX70D010TE-FEU6B67-8050-F6LBXVM1-WMH-BTR86

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	106	102	99	96	99	96	94	96	94	92	93	92	90	88
3	104	98	93	89	102	96	92	89	94	90	87	91	88	86	89	87	84	83
4	99	92	87	83	97	91	86	82	89	85	81	87	83	80	85	82	80	78
5	94	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	74
6	90	82	76	72	89	81	76	72	80	75	72	78	74	71	77	74	71	69
7	86	78	72	68	85	77	72	68	76	71	68	75	70	67	73	70	67	66
8	82	74	68	64	81	73	68	64	72	67	64	71	67	64	70	66	63	62
9	79	70	64	61	78	69	64	61	69	64	60	68	63	60	67	63	60	59
10	76	67	61	58	75	66	61	58	65	61	57	65	60	57	64	60	57	56

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	548585
5°	539554
10°	514107
15°	469777
20°	402862
25°	323252
30°	226639
35°	104708
40°	33612
45°	10855
50°	5046
55°	4457
60°	4439
65°	4032
70°	3999
75°	4620
80°	5896
85°	9776



TEST NUMBER: P366593

CATALOG NUMBER: FLD6BX70D010TE-FEU6B67-8050-F6LBXVM1-WMH-BTR86

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	704.0	13.3
10°-20°	1753.7	33.1
20°-30°	1841.8	34.7
30°-40°	817.3	15.4
40°-50°	105.6	2.0
50°-60°	33.0	0.6
60°-70°	23.3	0.4
70°-80°	17.0	0.3
80°-90°	10.4	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°	4299.5	81.0
0°-40°	5116.8	96.4
0°-60°	5255.4	99.0
0°-90°	5306.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5306.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7662	
5°	7507	704
15°	6337	1754
25°	4092	1842
35°	1198	817
45°	107	106
55°	36	33
65°	24	23
75°	17	17
85°	12	10
90°	0	



TEST NUMBER: P366593

CATALOG NUMBER: FLD6BX70D010TE-FEU6B67-8050-F6LBXVM1-WMH-BTR86

CANDELA DISTRIBUTION (FULL):

	0°
0°	7661.6
2.5°	7614.0
5°	7506.8
7.5°	7361.5
10°	7071.0
12.5°	6744.7
15°	6337.4
17.5°	5849.2
20°	5287.1
22.5°	4696.5
25°	4091.6
27.5°	3412.8
30°	2741.2
32.5°	2014.8
35°	1197.9
37.5°	638.3
40°	359.6
42.5°	197.7
45°	107.2
47.5°	54.8
50°	45.3
52.5°	40.5
55°	35.7
57.5°	33.3
60°	31.0
62.5°	26.2
65°	23.8
67.5°	19.1
70°	19.1
72.5°	16.7
75°	16.7
77.5°	14.3
80°	14.3
82.5°	11.9
85°	11.9
87.5°	7.1
90°	0.0

(END OF REPORT)