

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: P366534

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8030-F6LBXVM1-WMH-BTR80**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366534
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-29)
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-BTR80
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM ACRYLIC, PATTERN 12 0.125", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5317.1 lumens
Efficiency: N/A
Efficacy: 72.4 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.88
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

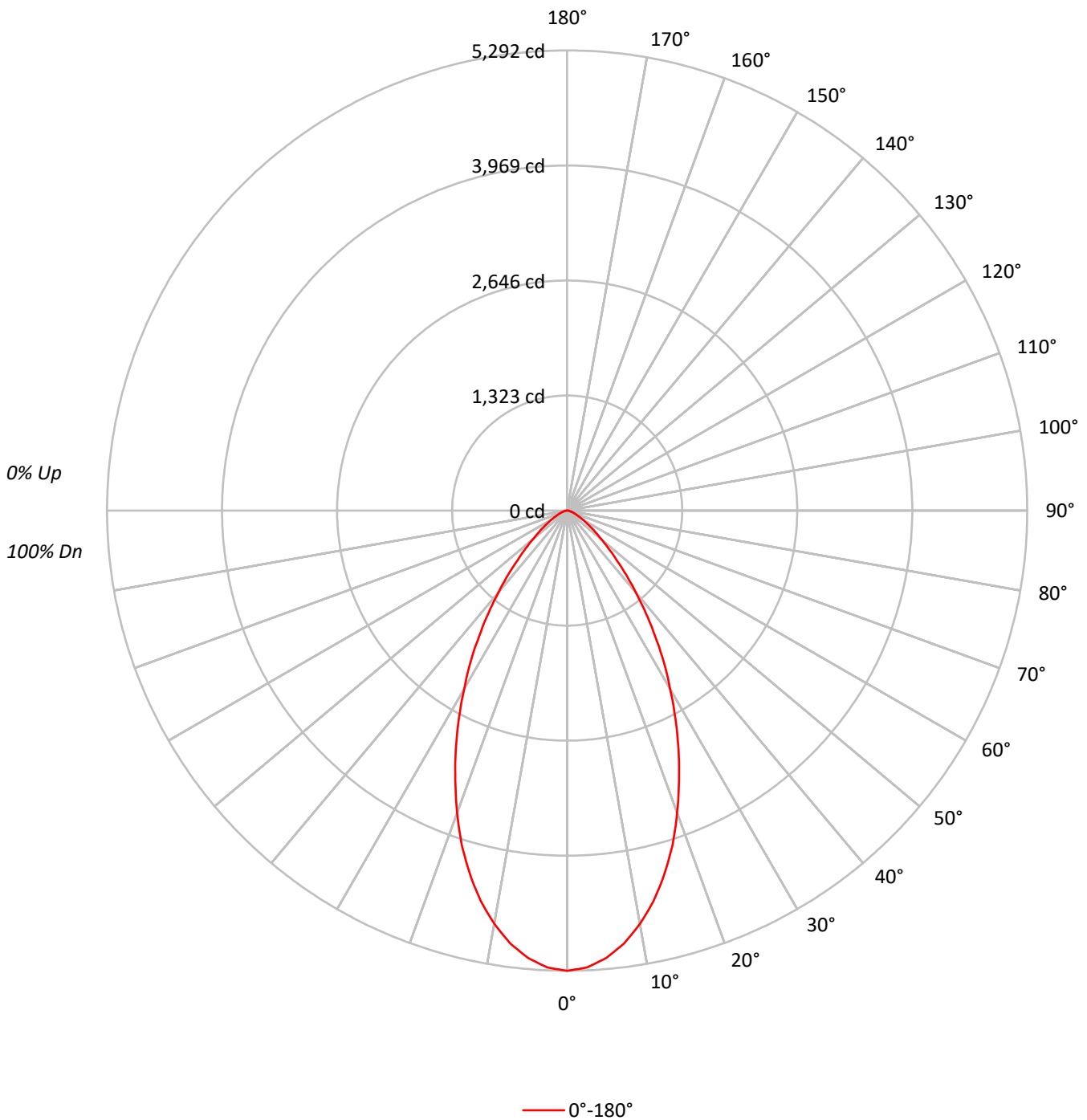
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P366534

CATALOG NUMBER: FLD6BX70D010TE-FEU6B67-8030-F6LBXVM1-WMH-BTR80

Luminous Intensity Polar Plot





TEST NUMBER: P366534

CATALOG NUMBER: FLD6BX70D010TE-FEU6B67-8030-F6LBXVM1-WMH-BTR80

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	113	109	106	104	110	107	105	102	103	101	99	99	98	96	96	95	93	91
2	106	100	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85	83
3	100	92	86	82	97	91	85	81	88	84	80	85	82	79	83	80	77	76
4	94	85	79	74	92	84	78	73	82	77	72	79	75	72	78	74	71	69
5	88	79	72	67	86	78	71	67	76	70	66	74	69	66	72	68	65	63
6	83	73	66	62	82	72	66	61	71	65	61	69	64	60	68	63	60	58
7	79	68	61	57	77	67	61	57	66	60	56	65	60	56	64	59	56	54
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	52	50
9	70	60	53	49	69	59	53	49	58	53	49	57	52	48	56	52	48	47
10	67	56	50	46	66	56	50	46	55	49	45	54	49	45	53	49	45	44

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	378946
5°	371121
10°	350852
15°	320669
20°	281716
25°	239453
30°	195899
35°	154199
40°	114902
45°	81484
50°	57490
55°	41295
60°	29557
65°	21466
70°	16706
75°	13639
80°	11628
85°	11584



TEST NUMBER: P366534

CATALOG NUMBER: FLD6BX70D010TE-FEU6B67-8030-F6LBXVM1-WMH-BTR80

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	482.2	9.1
10°-20°	1203.7	22.6
20°-30°	1384.6	26.0
30°-40°	1104.8	20.8
40°-50°	636.9	12.0
50°-60°	303.6	5.7
60°-70°	131.4	2.5
70°-80°	53.8	1.0
80°-90°	16.0	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°	3070.6	57.7
0°-40°	4175.4	78.5
0°-60°	5115.9	96.2
0°-90°	5317.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5317.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5292	
5°	5163	482
15°	4326	1204
25°	3031	1385
35°	1764	1105
45°	805	637
55°	331	304
65°	127	131
75°	49	54
85°	14	16
90°	0	



TEST NUMBER: P366534

CATALOG NUMBER: FLD6BX70D010TE-FEU6B67-8030-F6LBXVM1-WMH-BTR80

CANDELA DISTRIBUTION (FULL):

0°	
0°	5292.4
2.5°	5259.6
5°	5163.4
7.5°	5020.3
10°	4825.6
12.5°	4598.0
15°	4325.9
17.5°	4030.3
20°	3697.2
22.5°	3361.7
25°	3030.9
27.5°	2695.5
30°	2369.4
32.5°	2071.4
35°	1764.1
37.5°	1489.7
40°	1229.3
42.5°	1006.4
45°	804.7
47.5°	645.1
50°	516.1
52.5°	412.9
55°	330.8
57.5°	260.4
60°	206.4
62.5°	161.9
65°	126.7
67.5°	100.9
70°	79.8
72.5°	63.3
75°	49.3
77.5°	37.5
80°	28.2
82.5°	21.1
85°	14.1
87.5°	9.4
90°	0.0

(END OF REPORT)