

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: P365835

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8035-F6LBXVM1-MW-BTR84**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365835
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-15)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX70D010TE-FEU6B67-8035-F6LBXVM1-MW-BTR84
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.125", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4253.0 lumens
Efficiency: N/A
Efficacy: 57.9 lumens/watt
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.84
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

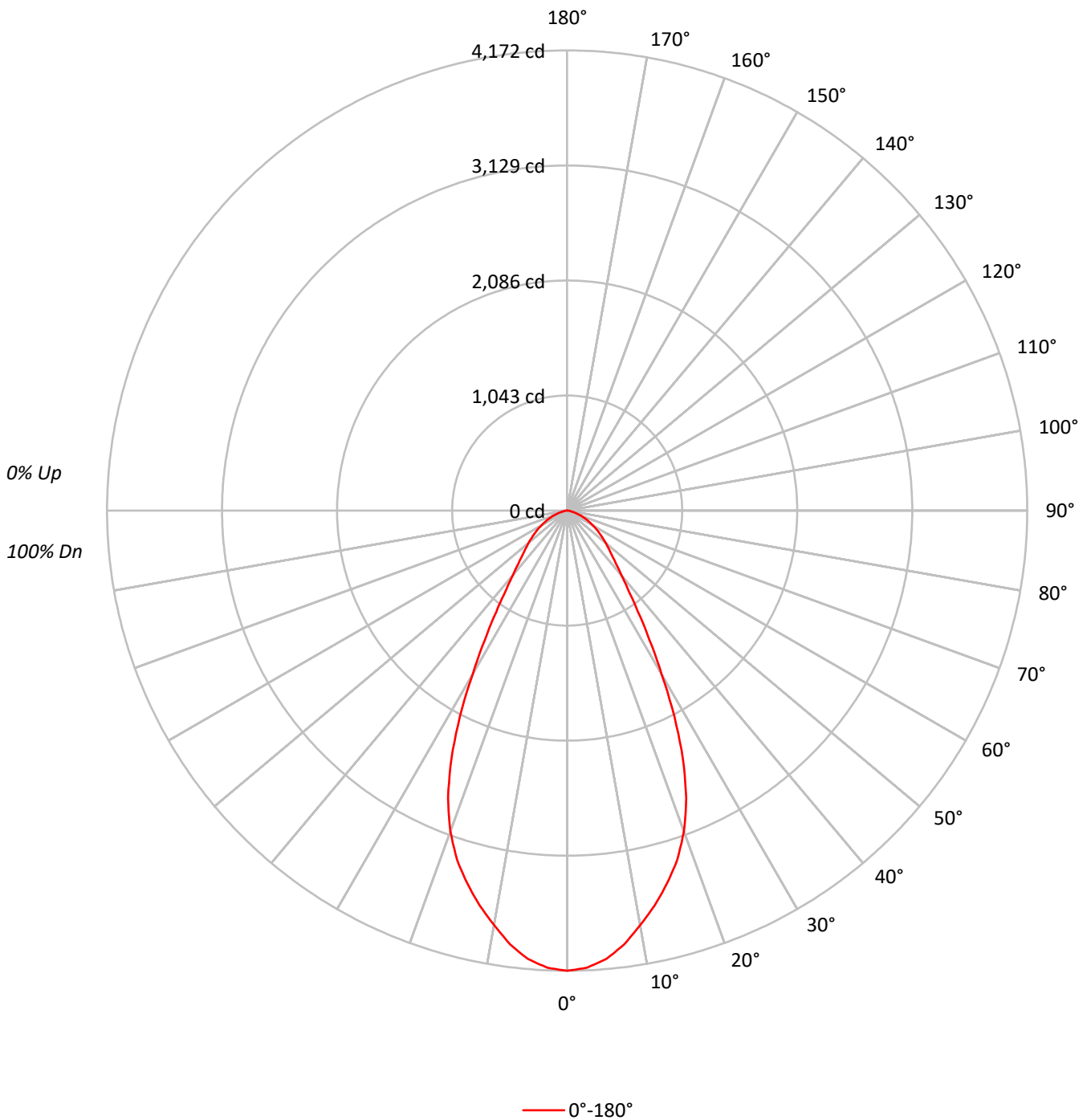
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P365835

CATALOG NUMBER: FLD6BX70D010TE-FEU6B67-8035-F6LBXVM1-MW-BTR84

Luminous Intensity Polar Plot





TEST NUMBER: P365835

CATALOG NUMBER: FLD6BX70D010TE-FEU6B67-8035-F6LBXVM1-MW-BTR84

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	86	83	82
3	99	91	85	80	96	89	84	80	87	82	78		84	80	77		82	79	76	74
4	93	84	77	72	91	82	76	72	80	75	71		78	74	70		76	72	69	67
5	87	77	71	65	85	76	70	65	74	69	65		73	68	64		71	67	63	62
6	82	72	65	60	81	71	64	60	69	64	59		68	63	59		67	62	58	57
7	78	67	60	55	76	66	60	55	65	59	55		64	58	54		62	58	54	53
8	73	63	56	51	72	62	56	51	61	55	51		60	55	51		59	54	50	49
9	70	59	52	48	68	58	52	48	57	52	47		56	51	47		55	51	47	46
10	66	55	49	45	65	55	49	45	54	48	44		53	48	44		52	48	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	298716
5°	293316
10°	277390
15°	259395
20°	235815
25°	196285
30°	141686
35°	97916
40°	71588
45°	58164
50°	50661
55°	44516
60°	38737
65°	32851
70°	26566
75°	18535
80°	11834
85°	13802



TEST NUMBER: P365835

CATALOG NUMBER: FLD6BX70D010TE-FEU6B67-8035-F6LBXVM1-MW-BTR84

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	381.0	9.0
10°-20°	977.7	23.0
20°-30°	1116.7	26.3
30°-40°	720.3	16.9
40°-50°	452.3	10.6
50°-60°	320.8	7.5
60°-70°	193.3	4.5
70°-80°	74.6	1.8
80°-90°	16.3	0.4
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°	2475.4	58.2
0°-40°	3195.7	75.1
0°-60°	3968.7	93.3
0°-90°	4253.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4253.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4172	
5°	4081	381
15°	3499	978
25°	2484	1117
35°	1120	720
45°	574	452
55°	357	321
65°	194	193
75°	67	75
85°	17	16
90°	0	



TEST NUMBER: P365835

CATALOG NUMBER: FLD6BX70D010TE-FEU6B67-8035-F6LBXVM1-MW-BTR84

CANDELA DISTRIBUTION (FULL):

	0°
0°	4171.9
2.5°	4147.9
5°	4080.9
7.5°	3966.0
10°	3815.2
12.5°	3666.9
15°	3499.3
17.5°	3319.8
20°	3094.8
22.5°	2821.9
25°	2484.5
27.5°	2103.9
30°	1713.7
32.5°	1385.8
35°	1120.2
37.5°	914.3
40°	765.9
42.5°	658.2
45°	574.4
47.5°	509.8
50°	454.8
52.5°	404.5
55°	356.6
57.5°	313.5
60°	270.5
62.5°	232.2
65°	193.9
67.5°	158.0
70°	126.9
72.5°	93.3
75°	67.0
77.5°	45.5
80°	28.7
82.5°	19.1
85°	16.8
87.5°	9.6
90°	0.0

(END OF REPORT)