

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: P365868

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8050-F6LBXVM1-MW-BTR80**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365868
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-14)
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-MW-BTR80
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM ACRYLIC, PATTERN 12 0.125", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4296.0 lumens
Efficiency: N/A
Efficacy: 58.5 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.89 / 0.95
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

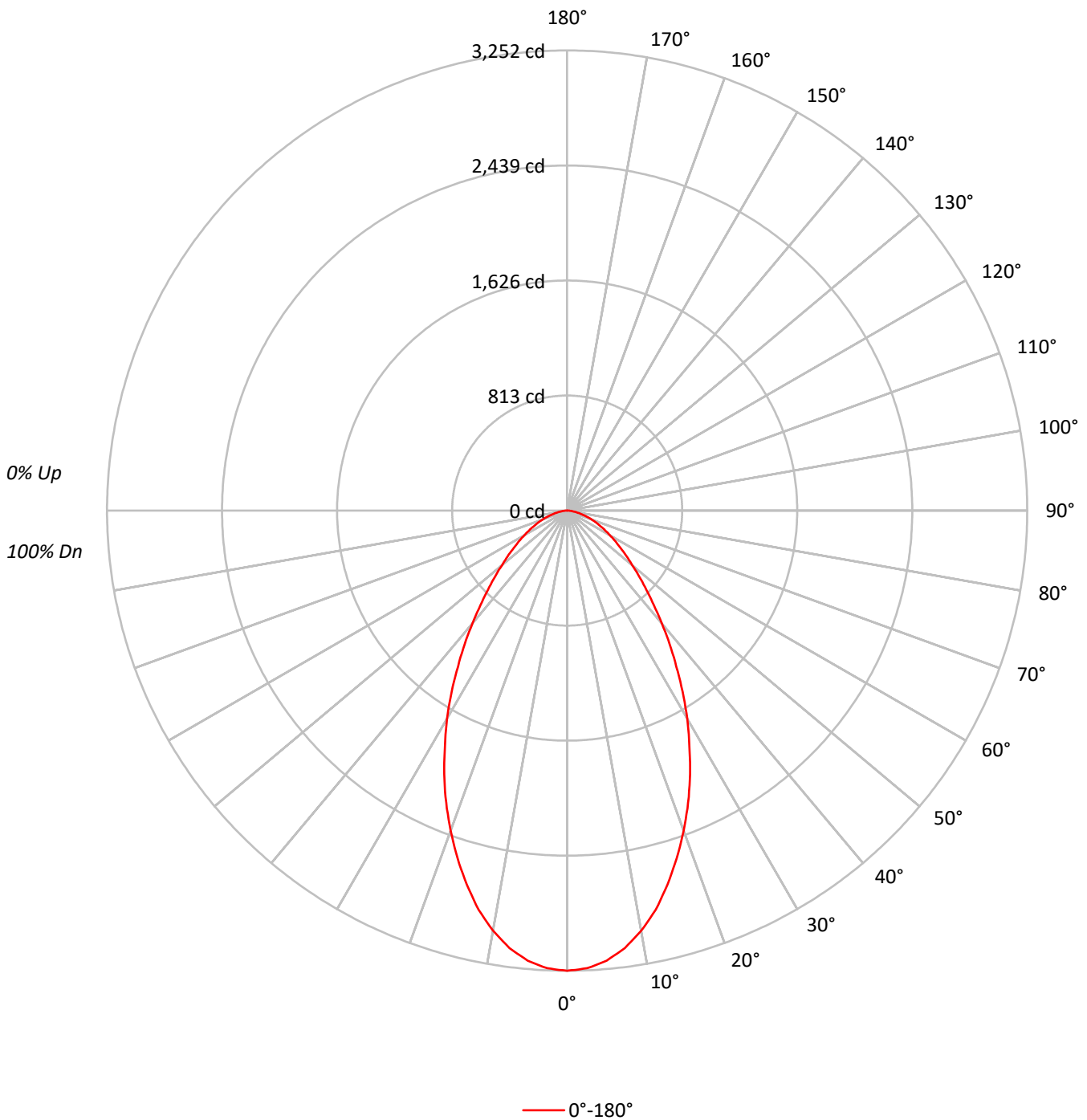
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P365868

CATALOG NUMBER: FLD6BX70D010TE-FEU6B67-8050-F6LBXVM1-MW-BTR80

Luminous Intensity Polar Plot





TEST NUMBER: P365868

CATALOG NUMBER: FLD6BX70D010TE-FEU6B67-8050-F6LBXVM1-MW-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	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89
2	103	97	91	87	101	95	90	86	92	88	84	89	85	82	86	83	80	78
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	72	70
4	90	80	73	67	88	79	72	67	76	70	66	74	69	65	72	68	64	62
5	84	73	66	60	82	72	65	60	70	64	59	68	63	59	66	62	58	56
6	78	67	60	54	77	66	59	54	65	58	54	63	57	53	62	57	53	51
7	74	62	55	49	72	61	54	49	60	53	49	59	53	49	57	52	48	47
8	69	58	50	45	68	57	50	45	56	49	45	55	49	45	53	48	44	43
9	65	54	46	42	64	53	46	42	52	46	41	51	45	41	50	45	41	39
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	232856
5°	229469
10°	219159
15°	202880
20°	183445
25°	162416
30°	140273
35°	117557
40°	97236
45°	80259
50°	67047
55°	57511
60°	50007
65°	44067
70°	38374
75°	32202
80°	26555
85°	20374



TEST NUMBER: P365868

CATALOG NUMBER: FLD6BX70D010TE-FEU6B67-8050-F6LBXVM1-MW-BTR80

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	299.1	7.0
10°-20°	764.6	17.8
20°-30°	940.5	21.9
30°-40°	843.2	19.6
40°-50°	617.1	14.4
50°-60°	417.2	9.7
60°-70°	259.3	6.0
70°-80°	125.3	2.9
80°-90°	29.6	0.7
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°	2004.2	46.7
0°-40°	2847.4	66.3
0°-60°	3881.8	90.4
0°-90°	4296.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4296.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3252	
5°	3193	299
15°	2737	765
25°	2056	941
35°	1345	843
45°	793	617
55°	461	417
65°	260	259
75°	116	125
85°	25	30
90°	0	



TEST NUMBER: P365868

CATALOG NUMBER: FLD6BX70D010TE-FEU6B67-8050-F6LBXVM1-MW-BTR80

CANDELA DISTRIBUTION (FULL):

0°	
0°	3252.1
2.5°	3237.2
5°	3192.6
7.5°	3118.3
10°	3014.3
12.5°	2890.5
15°	2736.9
17.5°	2575.9
20°	2407.5
22.5°	2234.1
25°	2055.8
27.5°	1870.0
30°	1696.6
32.5°	1518.3
35°	1344.9
37.5°	1188.9
40°	1040.3
42.5°	906.5
45°	792.6
47.5°	691.0
50°	601.9
52.5°	530.0
55°	460.7
57.5°	403.7
60°	349.2
62.5°	302.2
65°	260.1
67.5°	220.4
70°	183.3
72.5°	148.6
75°	116.4
77.5°	86.7
80°	64.4
82.5°	42.1
85°	24.8
87.5°	9.9
90°	0.0

(END OF REPORT)