

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: P365805

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8027-F6LBXVM1-MW-BTR94**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365805
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-21)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX70D010TE-FEU6B67-8027-F6LBXVM1-MW-BTR94
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM GLASS, TEMPERED CLEAR 0.187", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3993.0 lumens
Efficiency: N/A
Efficacy: 54.4 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.83
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

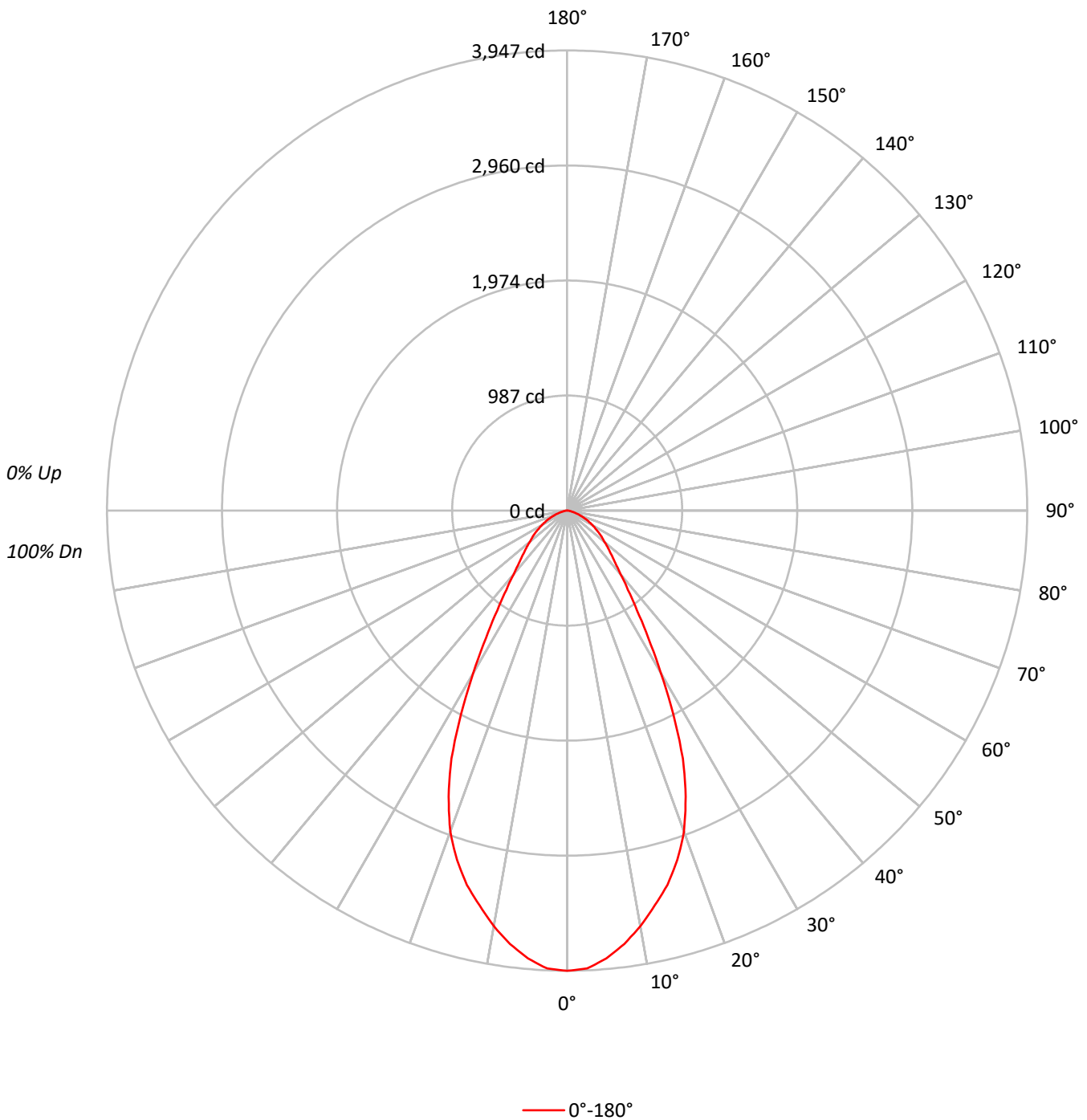
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P365805

CATALOG NUMBER: FLD6BX70D010TE-FEU6B67-8027-F6LBXVM1-MW-BTR94

Luminous Intensity Polar Plot





TEST NUMBER: P365805

CATALOG NUMBER: FLD6BX70D010TE-FEU6B67-8027-F6LBXVM1-MW-BTR94

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	98	93	89	94	91	87	91	88	85	88	86	84	82
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	72	69	68
5	87	78	71	66	85	77	70	65	75	69	65	73	68	64	71	67	64	62
6	82	72	65	60	81	71	65	60	70	64	60	68	63	59	67	62	59	57
7	78	67	60	56	76	66	60	55	65	59	55	64	59	55	63	58	54	53
8	74	63	56	51	72	62	56	51	61	55	51	60	55	51	59	54	51	49
9	70	59	52	48	69	59	52	48	58	52	48	57	51	48	56	51	47	46
10	66	56	49	45	65	55	49	45	54	49	45	53	48	45	53	48	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	282627
5°	277094
10°	263168
15°	246349
20°	223303
25°	185438
30°	133022
35°	91212
40°	66906
45°	54306
50°	46740
55°	41457
60°	35987
65°	30412
70°	23950
75°	17374
80°	11092
85°	12898



TEST NUMBER: P365805

CATALOG NUMBER: FLD6BX70D010TE-FEU6B67-8027-F6LBXVM1-MW-BTR94

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	360.5	9.0
10°-20°	926.3	23.2
20°-30°	1051.8	26.3
30°-40°	673.2	16.9
40°-50°	420.6	10.5
50°-60°	297.7	7.5
60°-70°	178.2	4.5
70°-80°	69.4	1.7
80°-90°	15.3	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°	2338.7	58.6
0°-40°	3011.9	75.4
0°-60°	3730.2	93.4
0°-90°	3993.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3993.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3947	
5°	3855	361
15°	3323	926
25°	2347	1052
35°	1044	673
45°	536	421
55°	332	298
65°	180	178
75°	63	69
85°	16	15
90°	0	



TEST NUMBER: P365805

CATALOG NUMBER: FLD6BX70D010TE-FEU6B67-8027-F6LBXVM1-MW-BTR94

CANDELA DISTRIBUTION (FULL):

	0°
0°	3947.2
2.5°	3931.5
5°	3855.2
7.5°	3749.7
10°	3619.6
12.5°	3469.2
15°	3323.3
17.5°	3141.6
20°	2930.6
22.5°	2656.9
25°	2347.2
27.5°	1972.5
30°	1608.9
32.5°	1292.5
35°	1043.5
37.5°	857.2
40°	715.8
42.5°	610.4
45°	536.3
47.5°	473.5
50°	419.6
52.5°	377.0
55°	332.1
57.5°	289.5
60°	251.3
62.5°	213.2
65°	179.5
67.5°	145.9
70°	114.4
72.5°	87.5
75°	62.8
77.5°	42.6
80°	26.9
82.5°	18.0
85°	15.7
87.5°	9.0
90°	0.0

(END OF REPORT)