

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: P365247

Luminaire Tested: **FLD6BX10D010-FEU6B12-8050-F6LBXVM1-MW-BTR94**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365247
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: FLD6BX10D010-FEU6B12-8050-F6LBXVM1-MW-BTR94
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM GLASS, TEMPERED CLEAR 0.187", 1000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 675.0 lumens
Efficiency: N/A
Efficacy: 67.5 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

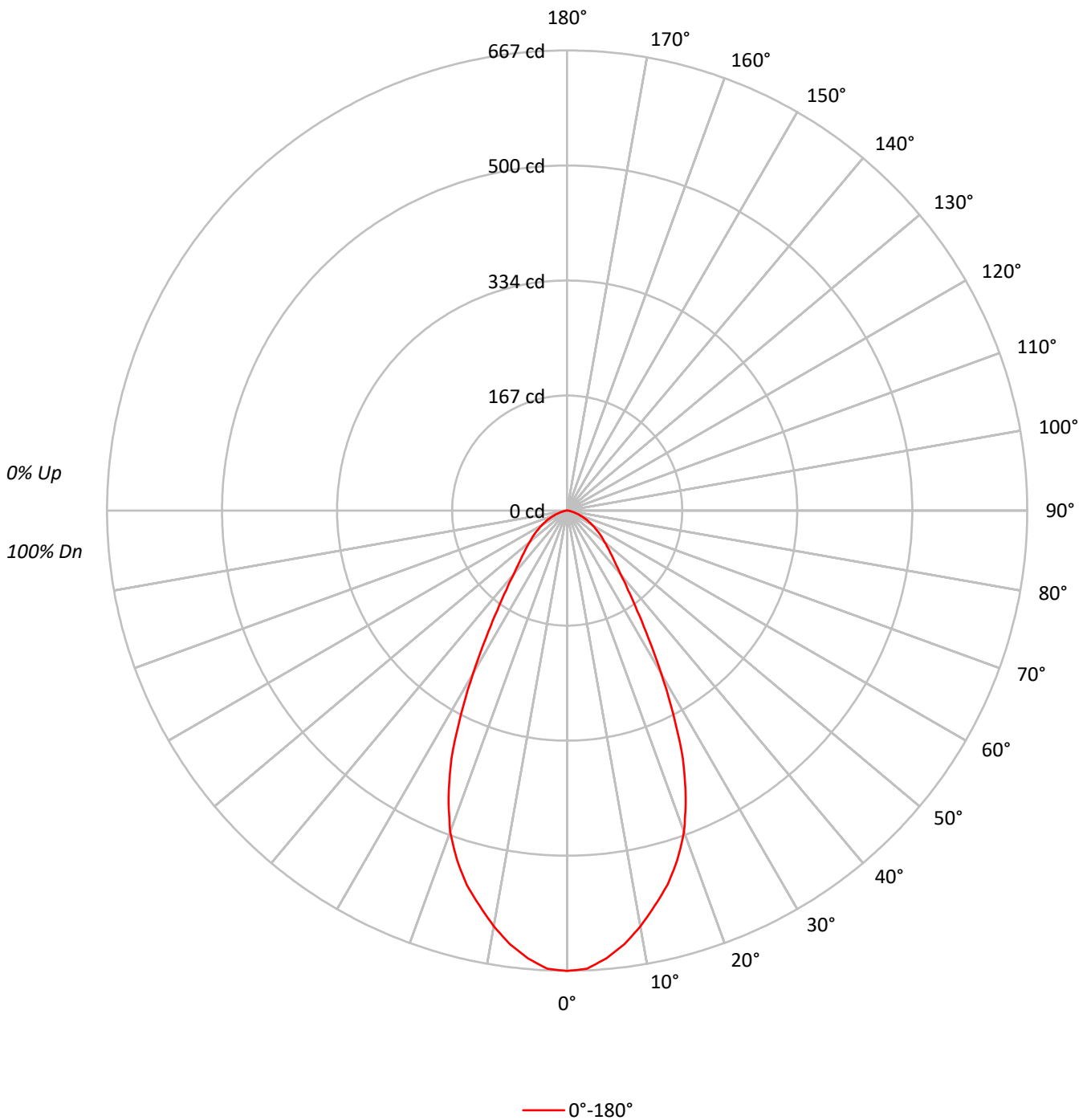
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P365247

CATALOG NUMBER: FLD6BX10D010-FEU6B12-8050-F6LBXVM1-MW-BTR94

Luminous Intensity Polar Plot





TEST NUMBER: P365247

CATALOG NUMBER: FLD6BX10D010-FEU6B12-8050-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°	47780
5°	46841
10°	44489
15°	41645
20°	37748
25°	31349
30°	22489
35°	15419
40°	11310
45°	9184
50°	7898
55°	7003
60°	6086
65°	5134
70°	4040
75°	2932
80°	1897
85°	2218



TEST NUMBER: P365247

CATALOG NUMBER: FLD6BX10D010-FEU6B12-8050-F6LBXVM1-MW-BTR94

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.9	9.0
10°-20°	156.6	23.2
20°-30°	177.8	26.3
30°-40°	113.8	16.9
40°-50°	71.1	10.5
50°-60°	50.3	7.5
60°-70°	30.1	4.5
70°-80°	11.7	1.7
80°-90°	2.6	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°	395.3	58.6
0°-40°	509.1	75.4
0°-60°	630.5	93.4
0°-90°	675.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	675.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	667	
5°	652	61
15°	562	157
25°	397	178
35°	176	114
45°	91	71
55°	56	50
65°	30	30
75°	11	12
85°	3	3
90°	0	



TEST NUMBER: P365247

CATALOG NUMBER: FLD6BX10D010-FEU6B12-8050-F6LBXVM1-MW-BTR94

CANDELA DISTRIBUTION (FULL):

0°	
0°	667.3
2.5°	664.6
5°	651.7
7.5°	633.9
10°	611.9
12.5°	586.5
15°	561.8
17.5°	531.1
20°	495.4
22.5°	449.1
25°	396.8
27.5°	333.4
30°	272.0
32.5°	218.5
35°	176.4
37.5°	144.9
40°	121.0
42.5°	103.2
45°	90.7
47.5°	80.0
50°	70.9
52.5°	63.7
55°	56.1
57.5°	48.9
60°	42.5
62.5°	36.0
65°	30.3
67.5°	24.7
70°	19.3
72.5°	14.8
75°	10.6
77.5°	7.2
80°	4.6
82.5°	3.0
85°	2.7
87.5°	1.5
90°	0.0

(END OF REPORT)