

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: P365187

Luminaire Tested: **FLD6BX10D010-FEU6B12-8030-F6LBXVM1-MW-BTR84**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365187
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: FLD6BX10D010-FEU6B12-8030-F6LBXVM1-MW-BTR84
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.125", 1000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 639.0 lumens
Efficiency: N/A
Efficacy: 63.9 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

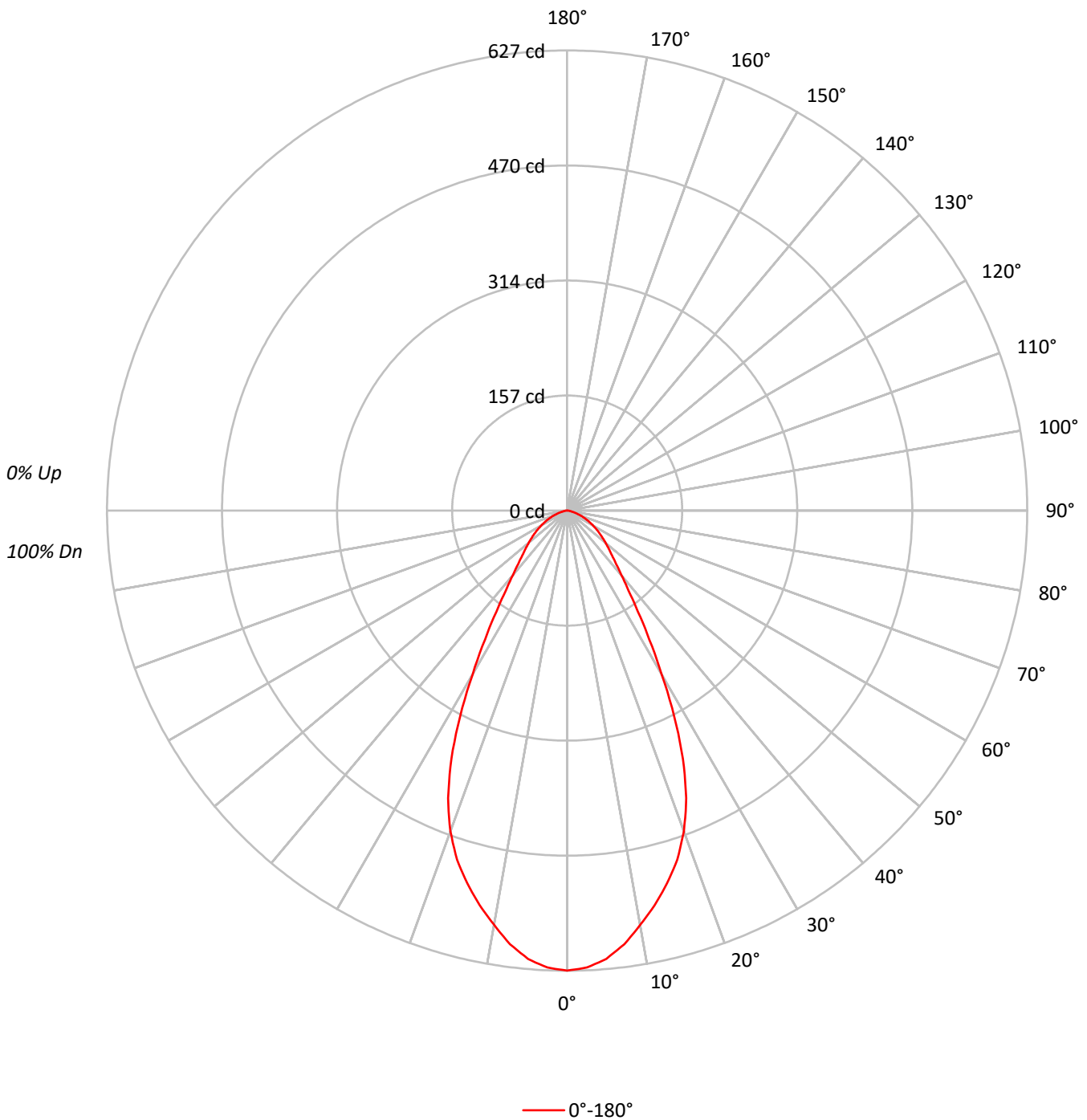
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P365187

CATALOG NUMBER: FLD6BX10D010-FEU6B12-8030-F6LBXVM1-MW-BTR84

Luminous Intensity Polar Plot





TEST NUMBER: P365187

CATALOG NUMBER: FLD6BX10D010-FEU6B12-8030-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	84	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°	44880
5°	44067
10°	41675
15°	38976
20°	35432
25°	29492
30°	21290
35°	14711
40°	10758
45°	8739
50°	7608
55°	6691
60°	5814
65°	4930
70°	3999
75°	2794
80°	1773
85°	2054



TEST NUMBER: P365187

CATALOG NUMBER: FLD6BX10D010-FEU6B12-8030-F6LBXVM1-MW-BTR84

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.2	9.0
10°-20°	146.9	23.0
20°-30°	167.8	26.3
30°-40°	108.2	16.9
40°-50°	68.0	10.6
50°-60°	48.2	7.5
60°-70°	29.0	4.5
70°-80°	11.2	1.8
80°-90°	2.4	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°	371.9	58.2
0°-40°	480.1	75.1
0°-60°	596.3	93.3
0°-90°	639.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	639.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	627	
5°	613	57
15°	526	147
25°	373	168
35°	168	108
45°	86	68
55°	54	48
65°	29	29
75°	10	11
85°	2	2
90°	0	



TEST NUMBER: P365187

CATALOG NUMBER: FLD6BX10D010-FEU6B12-8030-F6LBXVM1-MW-BTR84

CANDELA DISTRIBUTION (FULL):

	0°
0°	626.8
2.5°	623.2
5°	613.1
7.5°	595.9
10°	573.2
12.5°	550.9
15°	525.8
17.5°	498.8
20°	465.0
22.5°	424.0
25°	373.3
27.5°	316.1
30°	257.5
32.5°	208.2
35°	168.3
37.5°	137.4
40°	115.1
42.5°	98.9
45°	86.3
47.5°	76.6
50°	68.3
52.5°	60.8
55°	53.6
57.5°	47.1
60°	40.6
62.5°	34.9
65°	29.1
67.5°	23.7
70°	19.1
72.5°	14.0
75°	10.1
77.5°	6.8
80°	4.3
82.5°	2.9
85°	2.5
87.5°	1.4
90°	0.0

(END OF REPORT)