

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: P365159

Luminaire Tested: **FLD6BX10D010-FEU6B12-8027-F6LBXVM1-MW-BL84**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365159
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-36)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX10D010-FEU6B12-8027-F6LBXVM1-MW-BL84
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.125", 1000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 791.0 lumens
Efficiency: N/A
Efficacy: 79.1 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.95
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

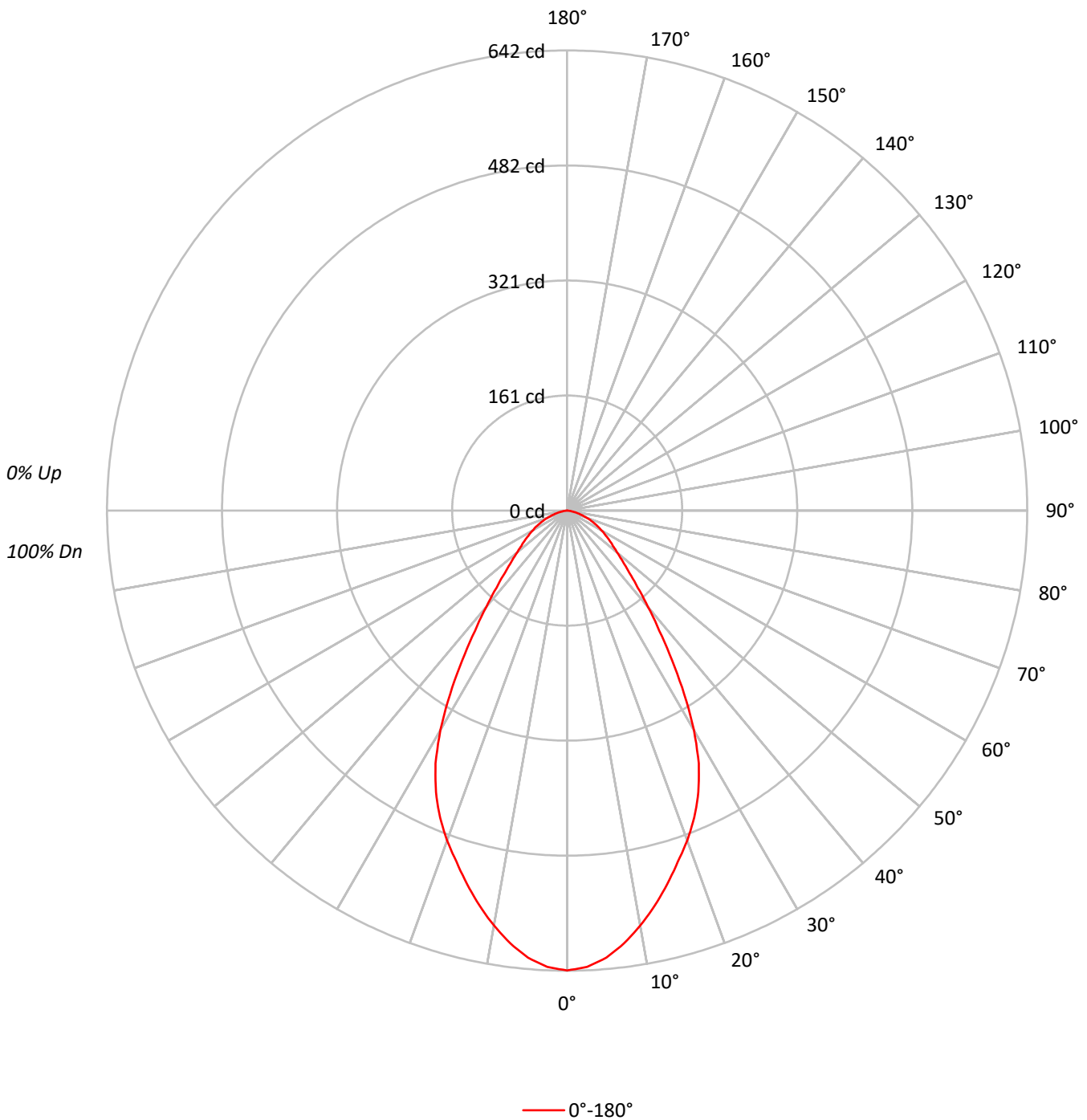
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P365159

CATALOG NUMBER: FLD6BX10D010-FEU6B12-8027-F6LBXVM1-MW-BL84

Luminous Intensity Polar Plot





TEST NUMBER: P365159

CATALOG NUMBER: FLD6BX10D010-FEU6B12-8027-F6LBXVM1-MW-BL84

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	108	105	102	109	106	103	101	102	100	97		98	96	95		95	93	92	90
2	104	98	93	89	102	96	92	88	93	89	86		90	87	84		87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76		82	78	75		80	77	74	72
4	91	82	75	70	89	80	74	69	78	73	68		76	71	67		74	70	67	65
5	85	75	68	63	84	74	67	62	72	66	62		70	65	61		69	64	61	59
6	80	69	62	57	78	68	62	57	67	61	56		65	60	56		64	59	55	54
7	75	64	57	52	74	64	57	52	62	56	52		61	55	51		60	55	51	49
8	71	60	53	48	70	59	52	48	58	52	47		57	51	47		56	51	47	45
9	67	56	49	44	66	55	49	44	54	48	44		53	48	44		52	47	44	42
10	64	52	46	41	62	52	45	41	51	45	41		50	45	41		49	44	41	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	17525
5°	17167
10°	16309
15°	15256
20°	14235
25°	13059
30°	11153
35°	8503
40°	6261
45°	4751
50°	3871
55°	3405
60°	3043
65°	2689
70°	2276
75°	1773
80°	1195
85°	533



TEST NUMBER: P365159

CATALOG NUMBER: FLD6BX10D010-FEU6B12-8027-F6LBXVM1-MW-BL84

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.5	7.4
10°-20°	151.4	19.1
20°-30°	196.8	24.9
30°-40°	160.3	20.3
40°-50°	97.3	12.3
50°-60°	64.4	8.1
60°-70°	41.3	5.2
70°-80°	18.2	2.3
80°-90°	2.7	0.3
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°	406.7	51.4
0°-40°	567.0	71.7
0°-60°	728.8	92.1
0°-90°	791.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	791.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	642	
5°	626	59
15°	540	151
25°	433	197
35°	255	160
45°	123	97
55°	72	64
65°	42	41
75°	17	18
85°	2	3
90°	0	



TEST NUMBER: P365159

CATALOG NUMBER: FLD6BX10D010-FEU6B12-8027-F6LBXVM1-MW-BL84

CANDELA DISTRIBUTION (FULL):

	0°
0°	641.6
2.5°	637.4
5°	626.1
7.5°	608.9
10°	588.0
12.5°	564.6
15°	539.5
17.5°	513.7
20°	489.7
22.5°	463.6
25°	433.3
27.5°	397.6
30°	353.6
32.5°	304.1
35°	255.0
37.5°	211.3
40°	175.6
42.5°	145.7
45°	123.0
47.5°	105.2
50°	91.1
52.5°	80.4
55°	71.5
57.5°	63.2
60°	55.7
62.5°	48.5
65°	41.6
67.5°	35.1
70°	28.5
72.5°	22.3
75°	16.8
77.5°	12.0
80°	7.6
82.5°	4.1
85°	1.7
87.5°	0.3
90°	0.0

(END OF REPORT)