

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: P365206

Luminaire Tested: **FLD6BX10D010-FEU6B12-8035-F6LBXVM1-MW-BTR85**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365206
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-16)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX10D010-FEU6B12-8035-F6LBXVM1-MW-BTR85
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.187", 1000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 647.0 lumens
Efficiency: N/A
Efficacy: 64.7 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

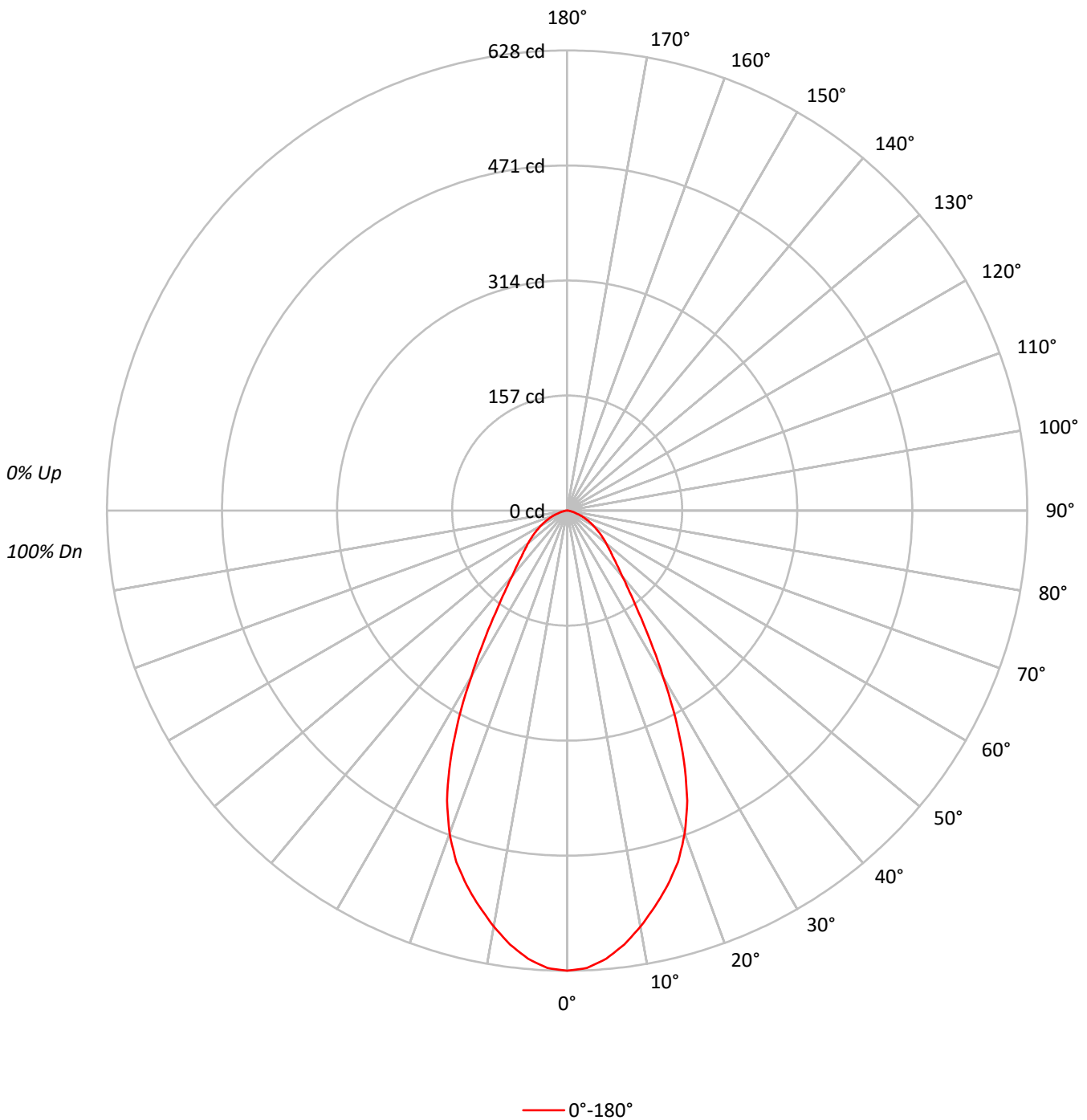
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P365206

CATALOG NUMBER: FLD6BX10D010-FEU6B12-8035-F6LBXVM1-MW-BTR85

Luminous Intensity Polar Plot





TEST NUMBER: P365206

CATALOG NUMBER: FLD6BX10D010-FEU6B12-8035-F6LBXVM1-MW-BTR85

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	92	91
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	86	83	82
3	99	91	85	80	96	89	84	79	87	82	78		84	80	77		82	78	76	74
4	93	84	77	72	91	82	76	72	80	75	71		78	73	70		76	72	69	67
5	87	77	70	65	85	76	70	65	74	69	64		73	68	64		71	67	63	62
6	82	72	65	60	80	71	64	60	69	63	59		68	63	59		66	62	58	57
7	78	67	60	55	76	66	60	55	65	59	55		64	58	54		62	58	54	52
8	73	63	56	51	72	62	55	51	61	55	51		60	54	51		59	54	50	49
9	70	59	52	48	68	58	52	48	57	51	47		56	51	47		55	51	47	45
10	66	55	49	45	65	55	49	44	54	48	44		53	48	44		52	48	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	44959
5°	44124
10°	41915
15°	39258
20°	35744
25°	29816
30°	21620
35°	14877
40°	10936
45°	8881
50°	7720
55°	6816
60°	5929
65°	5032
70°	4061
75°	2932
80°	1979
85°	2136



TEST NUMBER: P365206

CATALOG NUMBER: FLD6BX10D010-FEU6B12-8035-F6LBXVM1-MW-BTR85

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.4	8.9
10°-20°	147.9	22.9
20°-30°	169.7	26.2
30°-40°	109.9	17.0
40°-50°	69.0	10.7
50°-60°	49.1	7.6
60°-70°	29.6	4.6
70°-80°	11.8	1.8
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°	375.1	58.0
0°-40°	484.9	75.0
0°-60°	603.1	93.2
0°-90°	647.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	647.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	628	
5°	614	57
15°	530	148
25°	377	170
35°	170	110
45°	88	69
55°	55	49
65°	30	30
75°	11	12
85°	3	3
90°	0	



TEST NUMBER: P365206

CATALOG NUMBER: FLD6BX10D010-FEU6B12-8035-F6LBXVM1-MW-BTR85

CANDELA DISTRIBUTION (FULL):

0°	
0°	627.9
2.5°	624.9
5°	613.9
7.5°	597.4
10°	576.5
12.5°	553.4
15°	529.6
17.5°	502.8
20°	469.1
22.5°	428.4
25°	377.4
27.5°	320.5
30°	261.5
32.5°	211.6
35°	170.2
37.5°	139.7
40°	117.0
42.5°	100.5
45°	87.7
47.5°	77.8
50°	69.3
52.5°	62.0
55°	54.6
57.5°	48.0
60°	41.4
62.5°	35.6
65°	29.7
67.5°	24.2
70°	19.4
72.5°	14.7
75°	10.6
77.5°	7.3
80°	4.8
82.5°	2.9
85°	2.6
87.5°	1.5
90°	0.0

(END OF REPORT)