

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: P366068

Luminaire Tested: **FLD6BX20D010-FEU6B12-8027-F6LBXVM1-WMH-BTR82**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366068
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-32)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX20D010-FEU6B12-8027-F6LBXVM1-WMH-BTR82
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.187", 2000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1382.0 lumens
Efficiency: N/A
Efficacy: 68.1 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.07
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

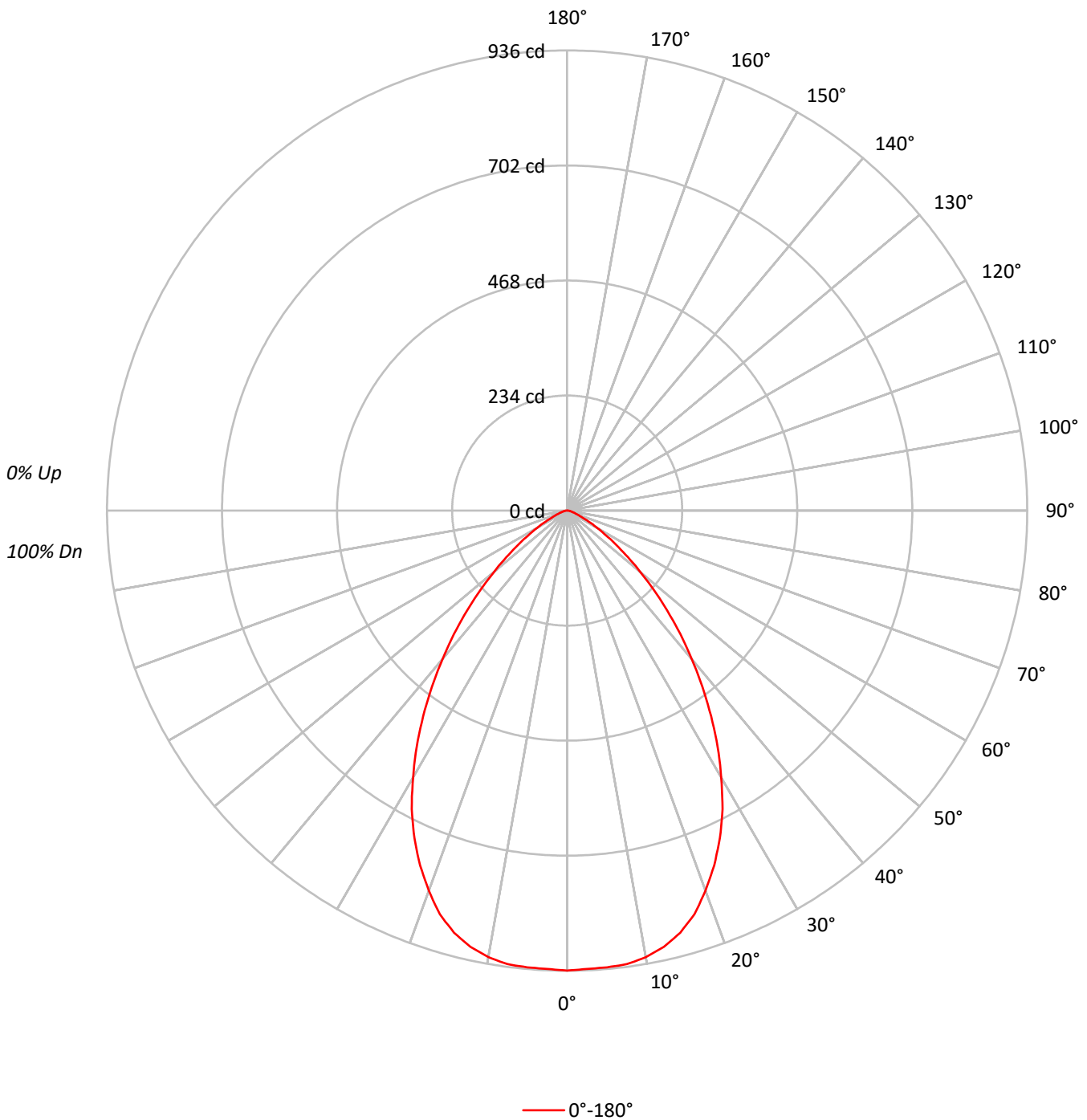
Input Watts (W): 20.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P366068

CATALOG NUMBER: FLD6BX20D010-FEU6B12-8027-F6LBXVM1-WMH-BTR82

Luminous Intensity Polar Plot





TEST NUMBER: P366068

CATALOG NUMBER: FLD6BX20D010-FEU6B12-8027-F6LBXVM1-WMH-BTR82

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	106	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	85	83	81
3	98	90	84	79	96	89	83	78	86	81	77	83	79	76	81	78	75	73
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	66
5	86	75	68	63	84	74	68	63	73	67	62	71	66	62	69	65	61	59
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	54
7	75	64	57	52	74	63	57	52	62	56	51	61	55	51	60	55	51	49
8	71	60	52	47	69	59	52	47	58	52	47	57	51	47	55	50	47	45
9	67	55	48	44	66	55	48	44	54	48	43	53	47	43	52	47	43	41
10	63	52	45	40	62	51	45	40	50	44	40	49	44	40	49	44	40	38

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	66998
5°	67024
10°	67050
15°	65877
20°	62672
25°	58060
30°	51823
35°	44605
40°	36818
45°	29133
50°	21655
55°	15267
60°	10139
65°	6218
70°	4040
75°	3015
80°	2639
85°	3204



TEST NUMBER: P366068

CATALOG NUMBER: FLD6BX20D010-FEU6B12-8027-F6LBXVM1-WMH-BTR82

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.7	6.4
10°-20°	248.8	18.0
20°-30°	335.9	24.3
30°-40°	317.8	23.0
40°-50°	222.8	16.1
50°-60°	112.1	8.1
60°-70°	39.6	2.9
70°-80°	12.4	0.9
80°-90°	3.8	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°	673.5	48.7
0°-40°	991.3	71.7
0°-60°	1326.2	96.0
0°-90°	1382.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1382.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	936	
5°	932	89
15°	889	249
25°	735	336
35°	510	318
45°	288	223
55°	122	112
65°	37	40
75°	11	12
85°	4	4
90°	0	



TEST NUMBER: P366068

CATALOG NUMBER: FLD6BX20D010-FEU6B12-8027-F6LBXVM1-WMH-BTR82

CANDELA DISTRIBUTION (FULL):

	0°
0°	935.7
2.5°	933.1
5°	932.5
7.5°	930.6
10°	922.2
12.5°	908.7
15°	888.7
17.5°	861.1
20°	822.5
22.5°	781.3
25°	734.9
27.5°	684.7
30°	626.8
32.5°	569.5
35°	510.3
37.5°	451.8
40°	393.9
42.5°	340.4
45°	287.7
47.5°	239.4
50°	194.4
52.5°	155.7
55°	122.3
57.5°	94.0
60°	70.8
62.5°	52.1
65°	36.7
67.5°	27.0
70°	19.3
72.5°	14.8
75°	10.9
77.5°	8.4
80°	6.4
82.5°	5.1
85°	3.9
87.5°	1.9
90°	0.0

(END OF REPORT)