

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: P365406

Luminaire Tested: **FLD6BX20D010-FEU6B12-8040-F6LBXVM1-MW-BTR87**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365406  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX20D010-FEU6B12-8040-F6LBXVM1-MW-BTR87  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,  
BOTTOM TRIM POLYCARBONATE, CLEAR 0.375", 2000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1206.0 lumens  
Efficiency: N/A  
Efficacy: 59.4 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

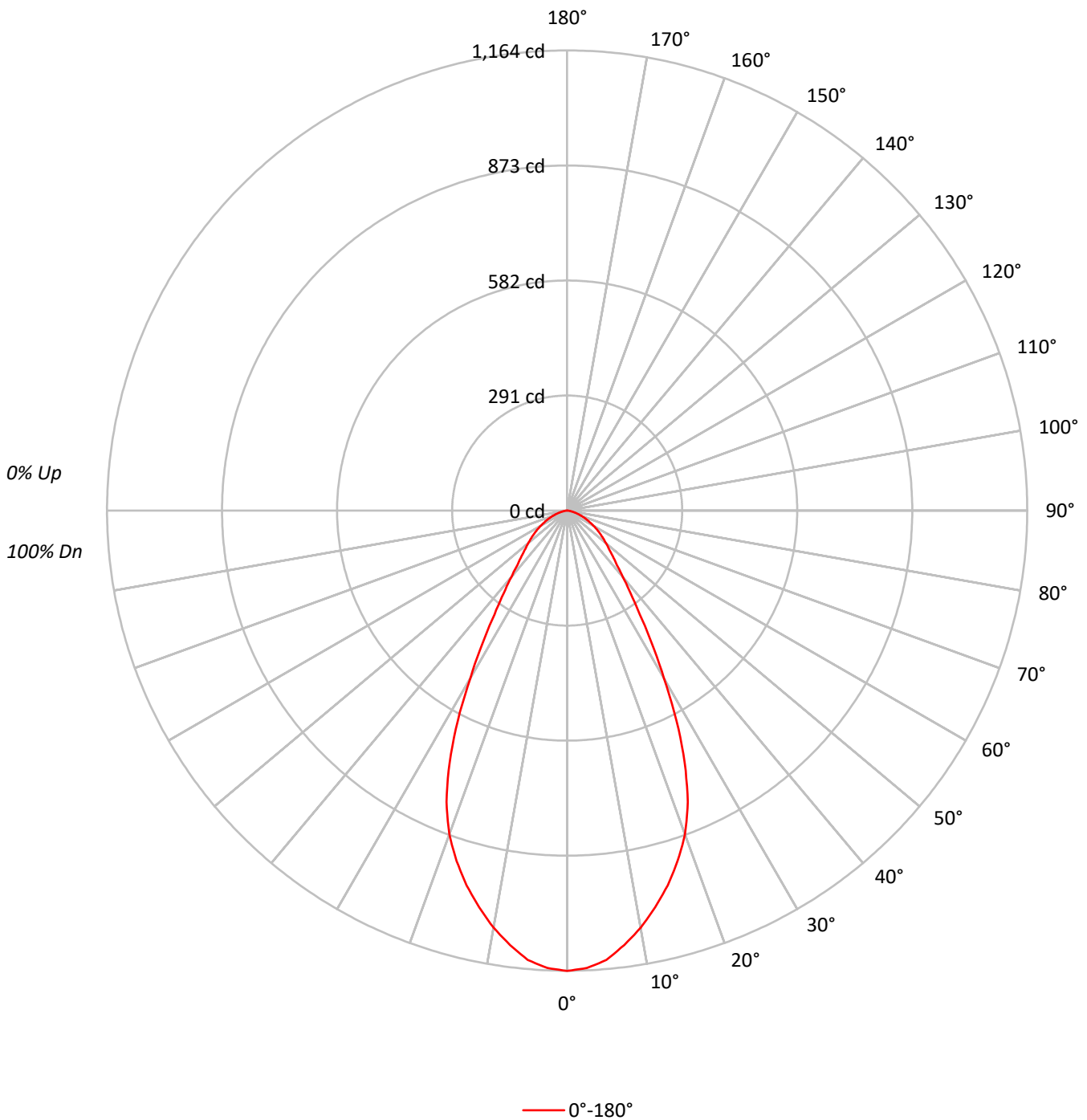
Input Watts (W): 20.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P365406

CATALOG NUMBER: FLD6BX20D010-FEU6B12-8040-F6LBXVM1-MW-BTR87

### Luminous Intensity Polar Plot





TEST NUMBER: P365406

CATALOG NUMBER: FLD6BX20D010-FEU6B12-8040-F6LBXVM1-MW-BTR87

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

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	83373
5°	81995
10°	77898
15°	72793
20°	66421
25°	55611
30°	40479
35°	28006
40°	20479
45°	16505
50°	14292
55°	12633
60°	11027
65°	9403
70°	7704
75°	5754
80°	4000
85°	3450



TEST NUMBER: P365406

CATALOG NUMBER: FLD6BX20D010-FEU6B12-8040-F6LBXVM1-MW-BTR87

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	106.6	8.8
10°-20°	274.3	22.7
20°-30°	316.6	26.3
30°-40°	206.4	17.1
40°-50°	128.2	10.6
50°-60°	91.0	7.5
60°-70°	55.4	4.6
70°-80°	22.9	1.9
80°-90°	4.7	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°	697.4	57.8
0°-40°	903.9	74.9
0°-60°	1123.0	93.1
0°-90°	1206.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1206.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1164	
5°	1141	107
15°	982	274
25°	704	317
35°	320	206
45°	163	128
55°	101	91
65°	56	55
75°	21	23
85°	4	5
90°	0	



TEST NUMBER: P365406

CATALOG NUMBER: FLD6BX20D010-FEU6B12-8040-F6LBXVM1-MW-BTR87

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1164.4
2.5°	1158.1
5°	1140.8
7.5°	1108.2
10°	1071.4
12.5°	1027.8
15°	982.0
17.5°	929.3
20°	871.7
22.5°	797.5
25°	703.9
27.5°	599.2
30°	489.6
32.5°	398.1
35°	320.4
37.5°	262.8
40°	219.1
42.5°	186.5
45°	163.0
47.5°	143.6
50°	128.3
52.5°	114.4
55°	101.2
57.5°	89.5
60°	77.0
62.5°	65.9
65°	55.5
67.5°	45.8
70°	36.8
72.5°	28.4
75°	20.8
77.5°	14.6
80°	9.7
82.5°	6.2
85°	4.2
87.5°	2.1
90°	0.0

(END OF REPORT)