

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: P365350

Luminaire Tested: **FLD6BX20D010-FEU6B12-8027-F6LBXVM1-MW-BTR85**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365350  
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: FLD6BX20D010-FEU6B12-8027-F6LBXVM1-MW-BTR85  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,  
BOTTOM TRIM POLYCARBONATE, CLEAR 0.187", 2000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1135.0 lumens  
Efficiency: N/A  
Efficacy: 55.9 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

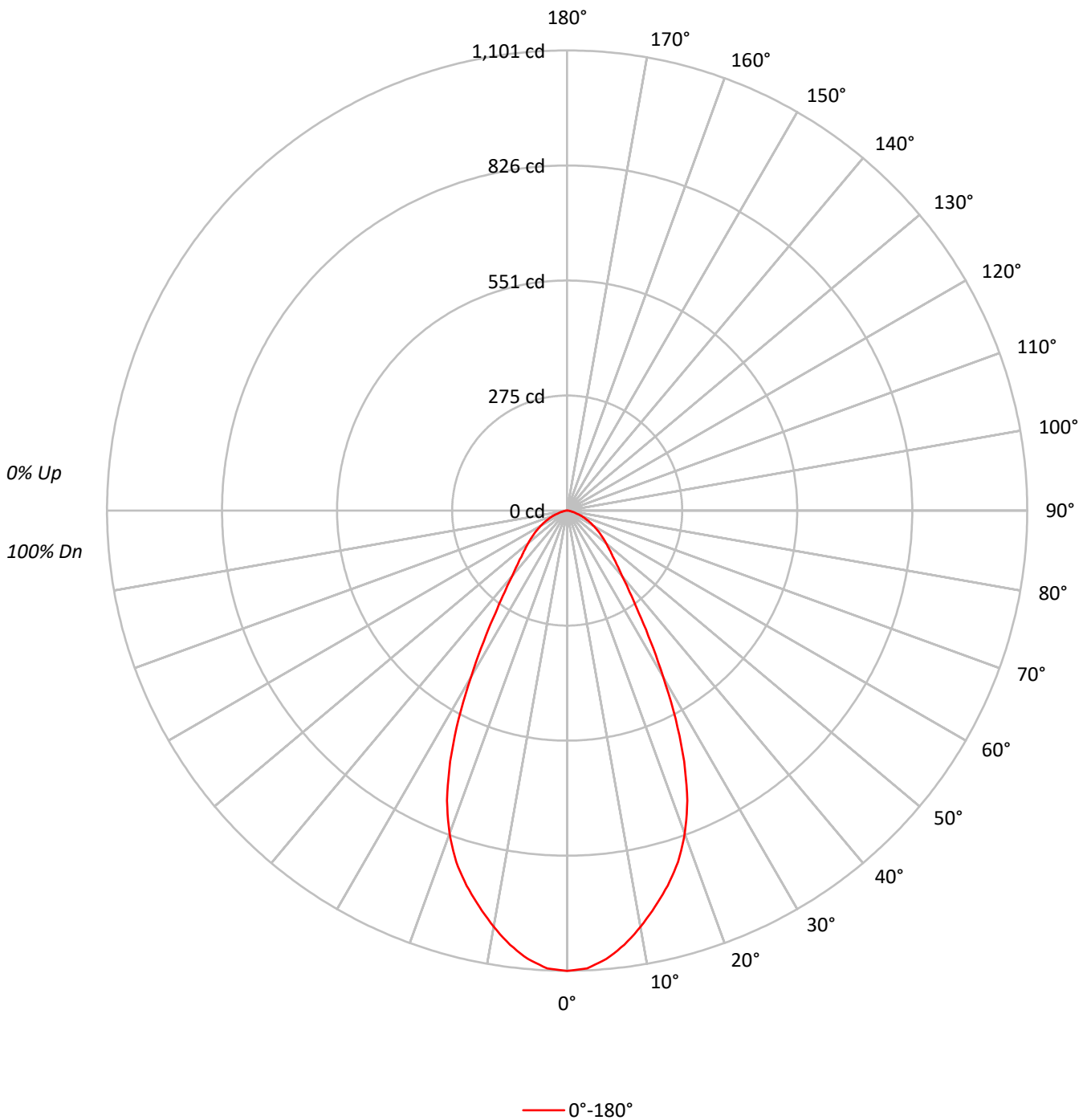
Input Watts (W): 20.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P365350

CATALOG NUMBER: FLD6BX20D010-FEU6B12-8027-F6LBXVM1-MW-BTR85

### Luminous Intensity Polar Plot





TEST NUMBER: P365350

CATALOG NUMBER: FLD6BX20D010-FEU6B12-8027-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	77	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°	78862
5°	77410
10°	73535
15°	68865
20°	62703
25°	52301
30°	37925
35°	26092
40°	19180
45°	15574
50°	13545
55°	11972
60°	10411
65°	8827
70°	7139
75°	5173
80°	3464
85°	3697



TEST NUMBER: P365350

CATALOG NUMBER: FLD6BX20D010-FEU6B12-8027-F6LBXVM1-MW-BTR85

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	100.7	8.9
10°-20°	259.5	22.9
20°-30°	297.8	26.2
30°-40°	192.7	17.0
40°-50°	121.1	10.7
50°-60°	86.2	7.6
60°-70°	52.0	4.6
70°-80°	20.7	1.8
80°-90°	4.5	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°	658.0	58.0
0°-40°	850.7	74.9
0°-60°	1057.9	93.2
0°-90°	1135.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1135.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1101	
5°	1077	101
15°	929	259
25°	662	298
35°	298	193
45°	154	121
55°	96	86
65°	52	52
75°	19	21
85°	4	4
90°	0	



TEST NUMBER: P365350

CATALOG NUMBER: FLD6BX20D010-FEU6B12-8027-F6LBXVM1-MW-BTR85

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1101.4
2.5°	1096.3
5°	1077.0
7.5°	1048.0
10°	1011.4
12.5°	970.8
15°	929.0
17.5°	882.1
20°	822.9
22.5°	751.5
25°	662.0
27.5°	562.3
30°	458.7
32.5°	371.2
35°	298.5
37.5°	245.1
40°	205.2
42.5°	176.3
45°	153.8
47.5°	136.4
50°	121.6
52.5°	108.7
55°	95.9
57.5°	84.3
60°	72.7
62.5°	62.4
65°	52.1
67.5°	42.5
70°	34.1
72.5°	25.7
75°	18.7
77.5°	12.9
80°	8.4
82.5°	5.1
85°	4.5
87.5°	2.6
90°	0.0

(END OF REPORT)