

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: P365779

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8050-F6LBXVM1-MW-BTR81**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365779  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX60D010TE-FEU6B67-8050-F6LBXVM1-MW-BTR81  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,  
BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.156", 6000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3320.0 lumens  
Efficiency: N/A  
Efficacy: 57.1 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.19  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

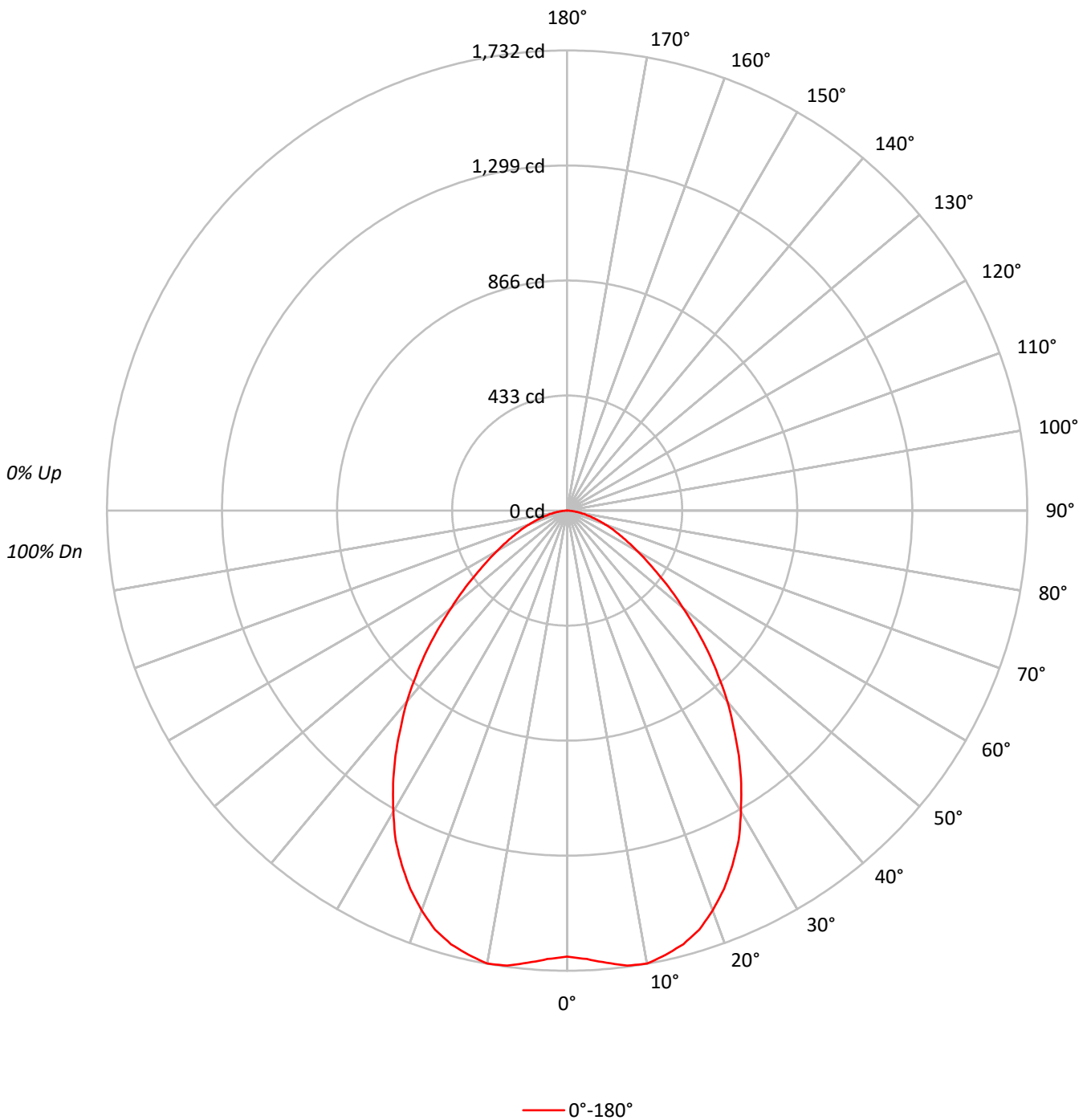
Input Watts (W): 58.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P365779

CATALOG NUMBER: FLD6BX60D010TE-FEU6B67-8050-F6LBXVM1-MW-BTR81

### Luminous Intensity Polar Plot





TEST NUMBER: P365779

CATALOG NUMBER: FLD6BX60D010TE-FEU6B67-8050-F6LBXVM1-MW-BTR81

**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	111	107	103	100	108	105	101	99	101	98	96	97	95	93	93	91	90	88
2	103	96	90	85	100	94	89	84	90	86	82	87	84	80	84	81	79	77
3	95	86	79	73	93	84	78	73	81	76	71	79	74	70	76	72	69	67
4	88	77	70	64	86	76	69	64	74	68	63	72	66	62	70	65	61	59
5	82	70	62	57	80	69	62	56	67	61	56	65	60	55	64	59	55	53
6	76	64	56	51	74	63	56	50	62	55	50	60	54	49	58	53	49	47
7	71	59	51	45	69	58	51	45	57	50	45	55	49	45	54	49	44	43
8	66	54	46	41	65	54	46	41	52	46	41	51	45	41	50	45	40	39
9	62	50	43	38	61	50	42	37	48	42	37	47	41	37	46	41	37	35
10	59	47	39	34	58	46	39	34	45	39	34	44	38	34	43	38	34	32

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

	0°
0°	120212
5°	122799
10°	125906
15°	125239
20°	121984
25°	116310
30°	108119
35°	98450
40°	87731
45°	75824
50°	63204
55°	52393
60°	43792
65°	37172
70°	31800
75°	26254
80°	20864
85°	15609



TEST NUMBER: P365779

CATALOG NUMBER: FLD6BX60D010TE-FEU6B67-8050-F6LBXVM1-MW-BTR81

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	163.9	4.9
10°-20°	474.6	14.3
20°-30°	674.9	20.3
30°-40°	701.8	21.1
40°-50°	576.8	17.4
50°-60°	380.9	11.5
60°-70°	220.7	6.6
70°-80°	102.8	3.1
80°-90°	23.5	0.7
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°	1313.4	39.6
0°-40°	2015.2	60.7
0°-60°	2973.0	89.5
0°-90°	3320.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3320.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1679	
5°	1708	164
15°	1690	475
25°	1472	675
35°	1126	702
45°	749	577
55°	420	381
65°	219	221
75°	95	103
85°	19	23
90°	0	



TEST NUMBER: P365779

CATALOG NUMBER: FLD6BX60D010TE-FEU6B67-8050-F6LBXVM1-MW-BTR81

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1678.9
2.5°	1689.5
5°	1708.5
7.5°	1727.5
10°	1731.7
12.5°	1712.7
15°	1689.5
17.5°	1653.6
20°	1600.9
22.5°	1541.8
25°	1472.2
27.5°	1398.4
30°	1307.7
32.5°	1219.1
35°	1126.3
37.5°	1029.3
40°	938.6
42.5°	841.6
45°	748.8
47.5°	656.0
50°	567.4
52.5°	493.6
55°	419.7
57.5°	358.6
60°	305.8
62.5°	259.4
65°	219.4
67.5°	185.6
70°	151.9
72.5°	122.3
75°	94.9
77.5°	71.7
80°	50.6
82.5°	33.7
85°	19.0
87.5°	8.4
90°	0.0

(END OF REPORT)