

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: P365609

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8027-F6LBXVM1-MW-BL84**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365609  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-36)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX50D010TE-FEU6B35-8027-F6LBXVM1-MW-BL84  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.125", 5000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3766.0 lumens  
Efficiency: N/A  
Efficacy: 68.3 lumens/watt  
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.95  
Luminous Opening: Circular (Dia: 0.71' x H: 0')  
CIE Type: Direct

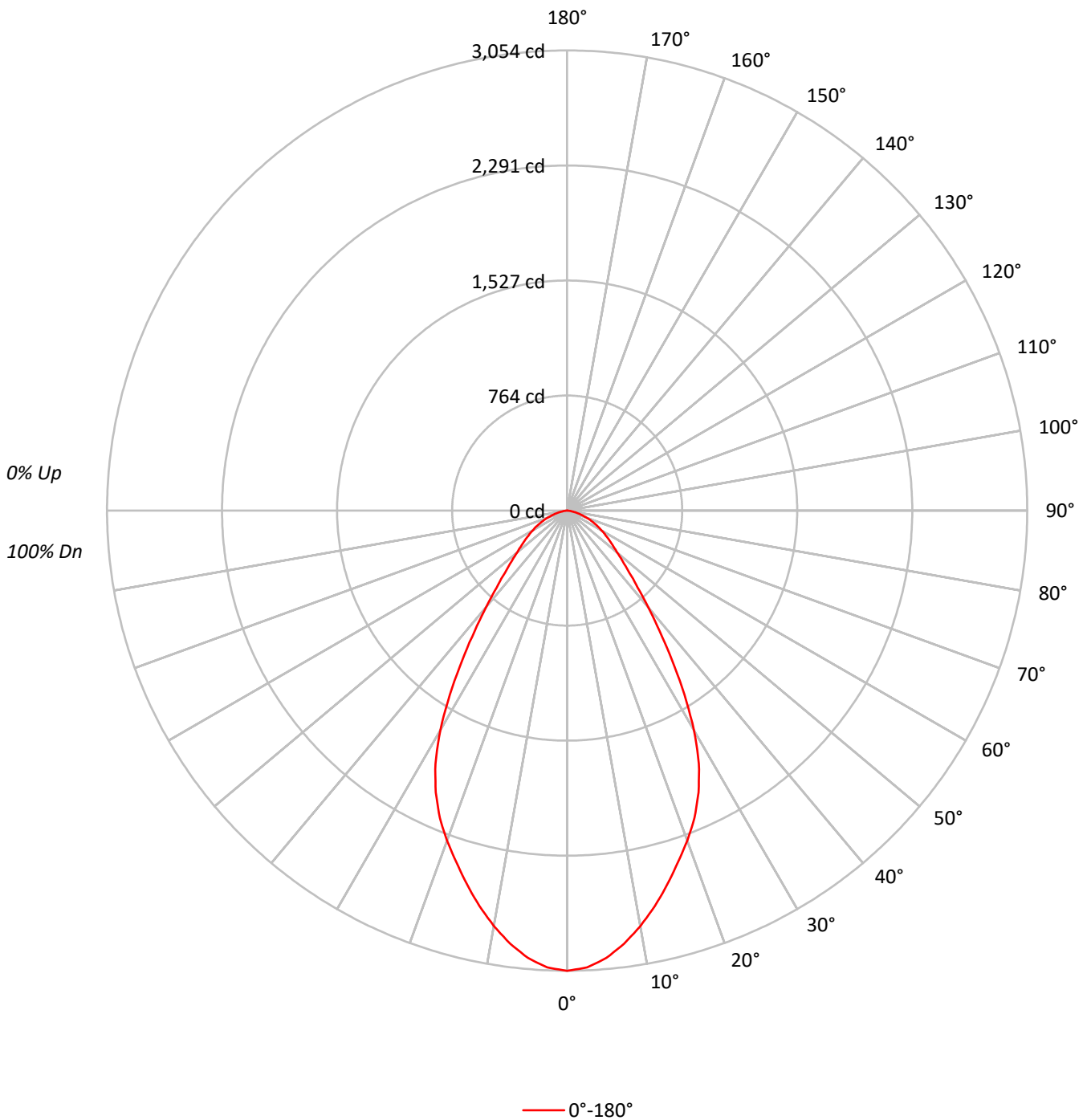
Input Watts (W): 55.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P365609

CATALOG NUMBER: FLD6BX50D010TE-FEU6B35-8027-F6LBXVM1-MW-BL84

### Luminous Intensity Polar Plot





TEST NUMBER: P365609

CATALOG NUMBER: FLD6BX50D010TE-FEU6B35-8027-F6LBXVM1-MW-BL84

**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	108	105	102	109	106	103	101	102	100	97		98	96	95		95	93	92	90
2	104	98	93	89	102	96	92	88	93	89	86		90	87	84		87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76		82	78	75		80	77	74	72
4	91	82	75	70	89	80	74	69	78	73	68		76	71	67		74	70	67	65
5	85	75	68	63	84	74	67	62	72	66	62		70	65	61		69	64	61	59
6	80	69	62	57	78	68	62	57	67	61	56		65	60	56		64	59	55	54
7	75	64	57	52	74	64	57	52	62	56	52		61	55	51		60	55	51	49
8	71	60	53	48	70	59	52	48	58	52	47		57	51	47		56	51	47	45
9	67	56	49	44	66	55	49	44	54	48	44		53	48	44		52	47	44	42
10	64	52	46	41	62	52	45	41	51	45	41		50	45	41		49	44	41	39

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

	0°
0°	83434
5°	81735
10°	77643
15°	72637
20°	67770
25°	62180
30°	53099
35°	40478
40°	29810
45°	22625
50°	18426
55°	16206
60°	14477
65°	12797
70°	10846
75°	8464
80°	5663
85°	2570



TEST NUMBER: P365609

CATALOG NUMBER: FLD6BX50D010TE-FEU6B35-8027-F6LBXVM1-MW-BL84

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	278.7	7.4
10°-20°	720.8	19.1
20°-30°	936.8	24.9
30°-40°	763.3	20.3
40°-50°	463.3	12.3
50°-60°	306.6	8.1
60°-70°	196.7	5.2
70°-80°	86.8	2.3
80°-90°	12.9	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°	1936.3	51.4
0°-40°	2699.6	71.7
0°-60°	3469.6	92.1
0°-90°	3766.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3766.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3054	
5°	2981	279
15°	2569	721
25°	2063	937
35°	1214	763
45°	586	463
55°	340	307
65°	198	197
75°	80	87
85°	8	13
90°	0	



TEST NUMBER: P365609

CATALOG NUMBER: FLD6BX50D010TE-FEU6B35-8027-F6LBXVM1-MW-BL84

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3054.5
2.5°	3034.9
5°	2980.9
7.5°	2899.1
10°	2799.3
12.5°	2688.0
15°	2568.6
17.5°	2445.9
20°	2331.4
22.5°	2207.0
25°	2063.1
27.5°	1892.9
30°	1683.5
32.5°	1447.9
35°	1213.9
37.5°	1006.2
40°	836.0
42.5°	693.7
45°	585.7
47.5°	500.6
50°	433.6
52.5°	382.8
55°	340.3
57.5°	301.0
60°	265.0
62.5°	230.7
65°	198.0
67.5°	166.9
70°	135.8
72.5°	106.3
75°	80.2
77.5°	57.3
80°	36.0
82.5°	19.6
85°	8.2
87.5°	1.6
90°	0.0

(END OF REPORT)