

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: P366404

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8050-F6LBXVM1-WMH-BL87**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366404  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-47)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX50D010TE-FEU6B35-8050-F6LBXVM1-WMH-BL87  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, WARM HAZE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.375", 5000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4467.0 lumens  
Efficiency: N/A  
Efficacy: 81.1 lumens/watt  
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.85  
Luminous Opening: Circular (Dia: 0.71' x H: 0')  
CIE Type: Direct

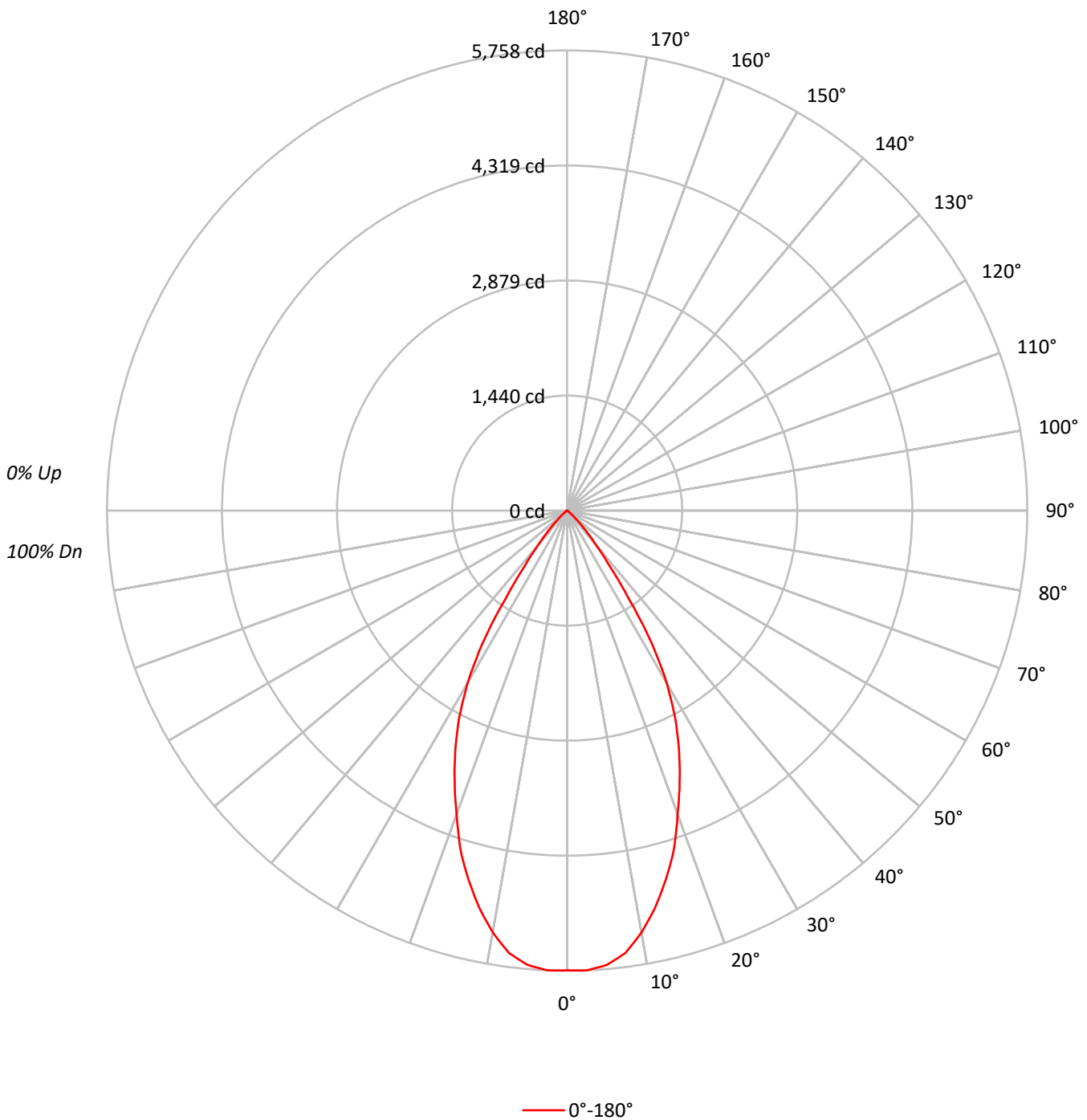
Input Watts (W): 55.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P366404

CATALOG NUMBER: FLD6BX50D010TE-FEU6B35-8050-F6LBXVM1-WMH-BL87

### Luminous Intensity Polar Plot





TEST NUMBER: P366404

CATALOG NUMBER: FLD6BX50D010TE-FEU6B35-8050-F6LBXVM1-WMH-BL87

**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	114	111	109	106	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	108	104	100	97	106	102	98	95	99	96	93	96	93	91	93	91	89	88
3	103	97	92	88	101	96	91	88	93	89	86	91	88	85	88	86	84	82
4	98	91	86	82	96	90	85	81	88	83	80	86	82	79	84	81	78	77
5	93	85	80	76	92	85	79	75	83	78	75	81	77	74	80	76	73	72
6	89	80	75	71	88	80	74	70	78	73	70	77	73	69	76	72	69	68
7	85	76	70	66	83	75	70	66	74	69	65	73	68	65	72	68	65	63
8	81	72	66	62	80	71	66	62	70	65	62	69	65	61	68	64	61	60
9	77	68	62	58	76	67	62	58	66	62	58	66	61	58	65	61	58	56
10	74	64	59	55	73	64	59	55	63	58	55	62	58	55	62	58	55	53

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

	0°
0°	157145
5°	156484
10°	148652
15°	135029
20°	117497
25°	99896
30°	78581
35°	44833
40°	20175
45°	8491
50°	2681
55°	810
60°	557
65°	440
70°	407
75°	538
80°	267
85°	533



TEST NUMBER: P366404

CATALOG NUMBER: FLD6BX50D010TE-FEU6B35-8050-F6LBXVM1-WMH-BL87

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	533.8	12.0
10°-20°	1328.2	29.7
20°-30°	1505.1	33.7
30°-40°	872.6	19.5
40°-50°	193.5	4.3
50°-60°	21.2	0.5
60°-70°	6.9	0.2
70°-80°	4.5	0.1
80°-90°	1.2	0.0
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°	3367.2	75.4
0°-40°	4239.7	94.9
0°-60°	4454.4	99.7
0°-90°	4467.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4467.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5753	
5°	5707	534
15°	4775	1328
25°	3314	1505
35°	1344	873
45°	220	193
55°	17	21
65°	7	7
75°	5	4
85°	2	1
90°	0	



TEST NUMBER: P366404

CATALOG NUMBER: FLD6BX50D010TE-FEU6B35-8050-F6LBXVM1-WMH-BL87

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	5753.0
2.5°	5758.2
5°	5707.0
7.5°	5582.6
10°	5359.4
12.5°	5088.4
15°	4774.9
17.5°	4444.3
20°	4042.1
22.5°	3679.2
25°	3314.5
27.5°	2925.9
30°	2491.4
32.5°	1978.5
35°	1344.5
37.5°	864.0
40°	565.8
42.5°	369.8
45°	219.8
47.5°	122.7
50°	63.1
52.5°	29.0
55°	17.0
57.5°	13.6
60°	10.2
62.5°	8.5
65°	6.8
67.5°	5.1
70°	5.1
72.5°	5.1
75°	5.1
77.5°	3.4
80°	1.7
82.5°	1.7
85°	1.7
87.5°	0.0
90°	0.0

(END OF REPORT)