

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: P366346

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8027-F6LBXVM1-WMH**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366346  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-11)  
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-WMH  
Description: VANDAL RESISTANT OPEN, WARM HAZE REFLECTOR, 5000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4679.0 lumens  
Efficiency: N/A  
Efficacy: 84.9 lumens/watt  
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.84  
Luminous Opening: Circular (Dia: 0.71' x H: 0')  
CIE Type: Direct

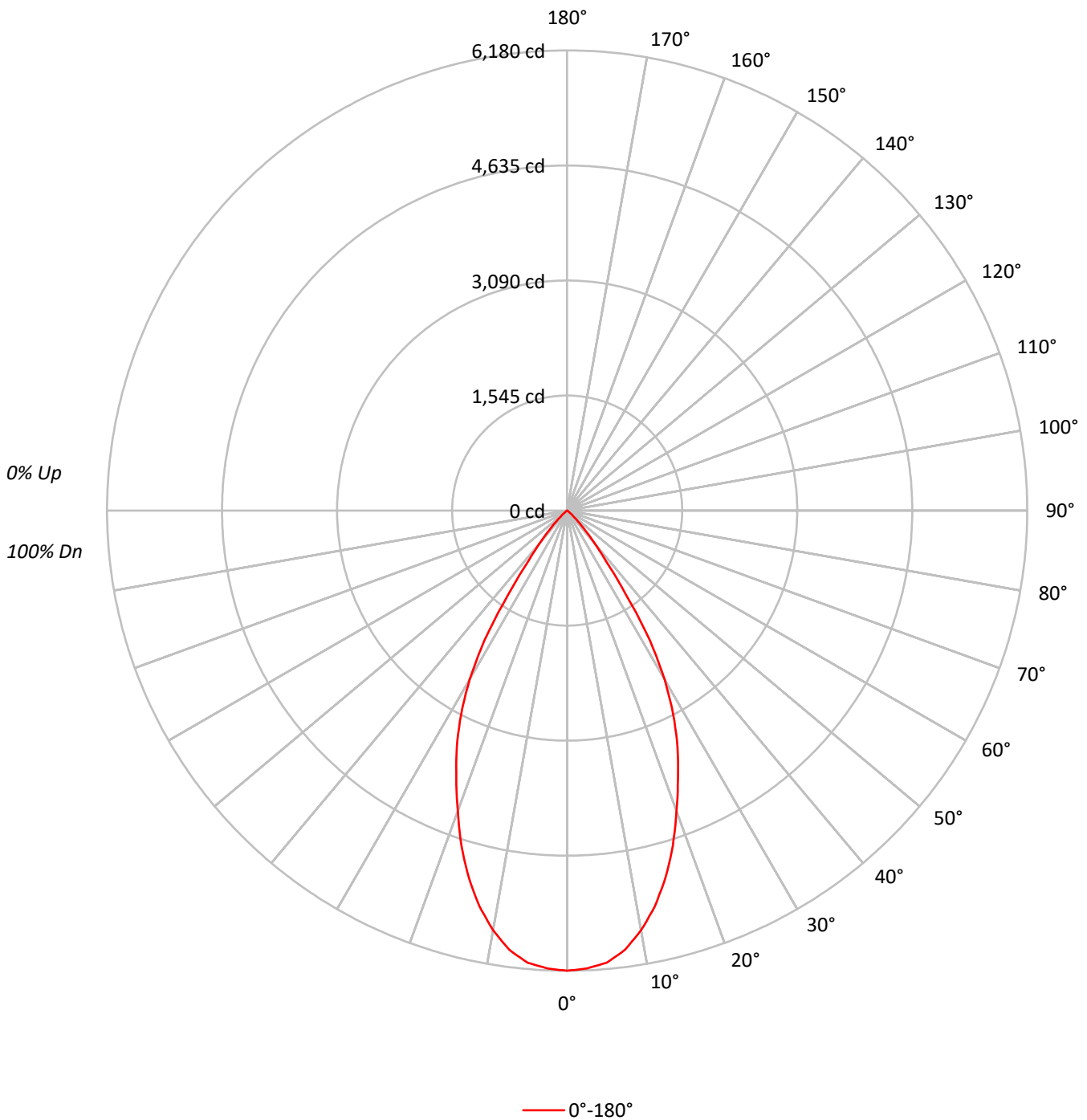
Input Watts (W): 55.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P366346

CATALOG NUMBER: FLD6BX50D010TE-FEU6B35-8027-F6LBXVM1-WMH

### Luminous Intensity Polar Plot





TEST NUMBER: P366346

CATALOG NUMBER: FLD6BX50D010TE-FEU6B35-8027-F6LBXVM1-WMH

**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	107	111	109	107	105	105	103	102		101	100	99		98	97	96	94
2	109	104	100	97	106	102	99	96	99	96	94		96	94	92		93	91	90	88
3	103	97	93	89	101	96	92	88	93	90	87		91	88	85		89	86	84	82
4	98	91	86	82	97	90	85	82	88	84	81		86	83	80		84	81	79	77
5	94	86	80	76	92	85	80	76	83	79	75		82	78	75		80	77	74	72
6	89	81	75	71	88	80	75	71	79	74	70		77	73	70		76	72	69	68
7	85	76	71	67	84	76	70	66	74	70	66		73	69	66		72	68	65	64
8	81	72	66	63	80	72	66	62	71	66	62		70	65	62		69	65	62	60
9	78	68	63	59	77	68	62	59	67	62	59		66	62	58		65	61	58	57
10	74	65	59	56	73	64	59	56	64	59	55		63	58	55		62	58	55	54

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

	0°
0°	168800
5°	167112
10°	158742
15°	144310
20°	124843
25°	105725
30°	82517
35°	45937
40°	20129
45°	8089
50°	2227
55°	391
60°	268
65°	213
70°	128
75°	169
80°	0
85°	0



TEST NUMBER: P366346

CATALOG NUMBER: FLD6BX50D010TE-FEU6B35-8027-F6LBXVM1-WMH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	569.8	12.2
10°-20°	1415.9	30.3
20°-30°	1590.5	34.0
30°-40°	899.9	19.2
40°-50°	185.5	4.0
50°-60°	13.4	0.3
60°-70°	2.8	0.1
70°-80°	1.0	0.0
80°-90°	0.0	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°	3576.2	76.4
0°-40°	4476.2	95.7
0°-60°	4675.1	99.9
0°-90°	4679.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4679.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6180	
5°	6095	570
15°	5103	1416
25°	3508	1591
35°	1378	900
45°	209	186
55°	8	13
65°	3	3
75°	2	1
85°	0	0
90°	0	



TEST NUMBER: P366346

CATALOG NUMBER: FLD6BX50D010TE-FEU6B35-8027-F6LBXVM1-WMH

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	6179.7
2.5°	6153.5
5°	6094.6
7.5°	5949.0
10°	5723.2
12.5°	5441.8
15°	5103.1
17.5°	4718.6
20°	4294.8
22.5°	3889.1
25°	3507.9
27.5°	3085.7
30°	2616.2
32.5°	2069.7
35°	1377.6
37.5°	863.9
40°	564.5
42.5°	356.7
45°	209.4
47.5°	111.3
50°	52.4
52.5°	18.0
55°	8.2
57.5°	6.5
60°	4.9
62.5°	3.3
65°	3.3
67.5°	1.6
70°	1.6
72.5°	1.6
75°	1.6
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)