

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: P366388

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8040-F6LBXVM1-WMH-BL89BV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366388  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-45)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX50D010TE-FEU6B35-8040-F6LBXVM1-WMH-BL89BV  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, WARM HAZE REFLECTOR, BOTTOM LENS ACRYLIC, CLEAR 0.125", 5000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4836.0 lumens  
Efficiency: N/A  
Efficacy: 87.8 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

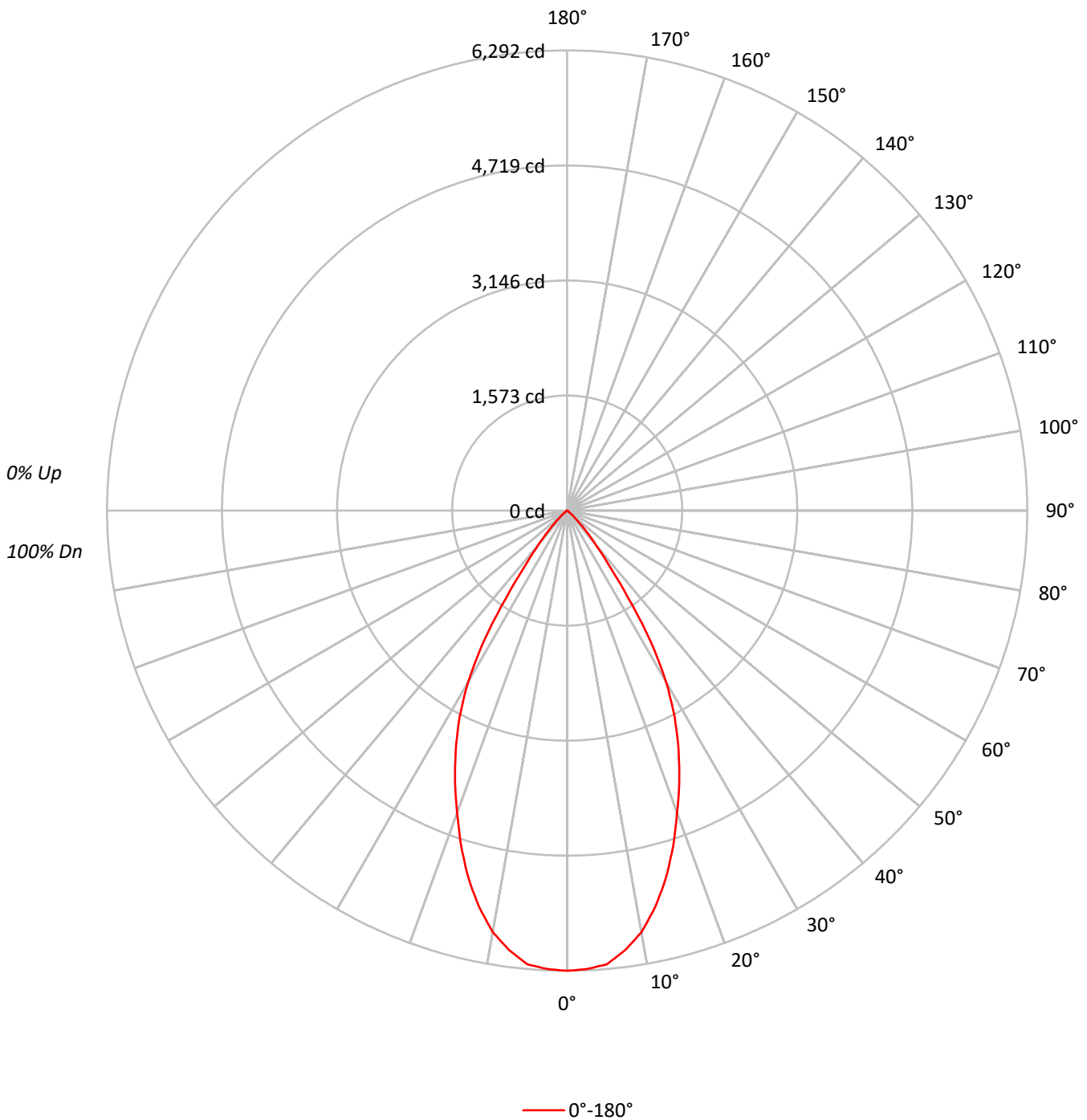
Input Watts (W): 55.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P366388

CATALOG NUMBER: FLD6BX50D010TE-FEU6B35-8040-F6LBXVM1-WMH-BL89BV

### Luminous Intensity Polar Plot





TEST NUMBER: P366388

CATALOG NUMBER: FLD6BX50D010TE-FEU6B35-8040-F6LBXVM1-WMH-BL89BV

**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	108	104	100	97	106	102	99	96	99	96	93		96	94	91		93	91	90	88
3	103	97	92	89	101	96	91	88	93	89	86		91	88	85		88	86	84	82
4	98	91	86	82	97	90	85	81	88	84	80		86	82	79		84	81	78	77
5	94	86	80	76	92	85	79	76	83	78	75		81	77	74		80	76	74	72
6	89	81	75	71	88	80	74	71	78	74	70		77	73	70		76	72	69	68
7	85	76	70	66	84	75	70	66	74	69	66		73	69	65		72	68	65	64
8	81	72	66	62	80	71	66	62	70	65	62		69	65	62		68	64	61	60
9	77	68	62	59	76	68	62	58	67	62	58		66	61	58		65	61	58	57
10	74	65	59	55	73	64	59	55	63	58	55		63	58	55		62	58	55	53

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

	0°
0°	171854
5°	170723
10°	162329
15°	147302
20°	127784
25°	108627
30°	85482
35°	48158
40°	21630
45°	8993
50°	2698
55°	757
60°	481
65°	343
70°	280
75°	369
80°	283
85°	0



TEST NUMBER: P366388

CATALOG NUMBER: FLD6BX50D010TE-FEU6B35-8040-F6LBXVM1-WMH-BL89BV

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	581.4	12.0
10°-20°	1445.8	29.9
20°-30°	1637.1	33.9
30°-40°	938.6	19.4
40°-50°	204.0	4.2
50°-60°	20.0	0.4
60°-70°	5.9	0.1
70°-80°	3.0	0.1
80°-90°	0.2	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°	3664.3	75.8
0°-40°	4602.9	95.2
0°-60°	4826.9	99.8
0°-90°	4836.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4836.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6292	
5°	6226	581
15°	5209	1446
25°	3604	1637
35°	1444	939
45°	233	204
55°	16	20
65°	5	6
75°	4	3
85°	0	0
90°	0	



TEST NUMBER: P366388

CATALOG NUMBER: FLD6BX50D010TE-FEU6B35-8040-F6LBXVM1-WMH-BL89BV

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	6291.5
2.5°	6273.9
5°	6226.3
7.5°	6062.3
10°	5852.5
12.5°	5552.7
15°	5208.9
17.5°	4813.9
20°	4396.0
22.5°	4004.5
25°	3604.2
27.5°	3181.0
30°	2710.2
32.5°	2135.4
35°	1444.2
37.5°	913.4
40°	606.6
42.5°	387.9
45°	232.8
47.5°	127.0
50°	63.5
52.5°	26.4
55°	15.9
57.5°	12.3
60°	8.8
62.5°	7.1
65°	5.3
67.5°	5.3
70°	3.5
72.5°	3.5
75°	3.5
77.5°	1.8
80°	1.8
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)