

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: P365042

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8040-F6LBXVM1-LI-BTR82**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365042  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-26)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX60D010TE-FEU6B67-8040-F6LBXVM1-LI-BTR82  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.187", 6000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4497.0 lumens  
Efficiency: N/A  
Efficacy: 77.4 lumens/watt  
Spacing Criteria (0/90/45): 1.07 / 1.07 / 1.07  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

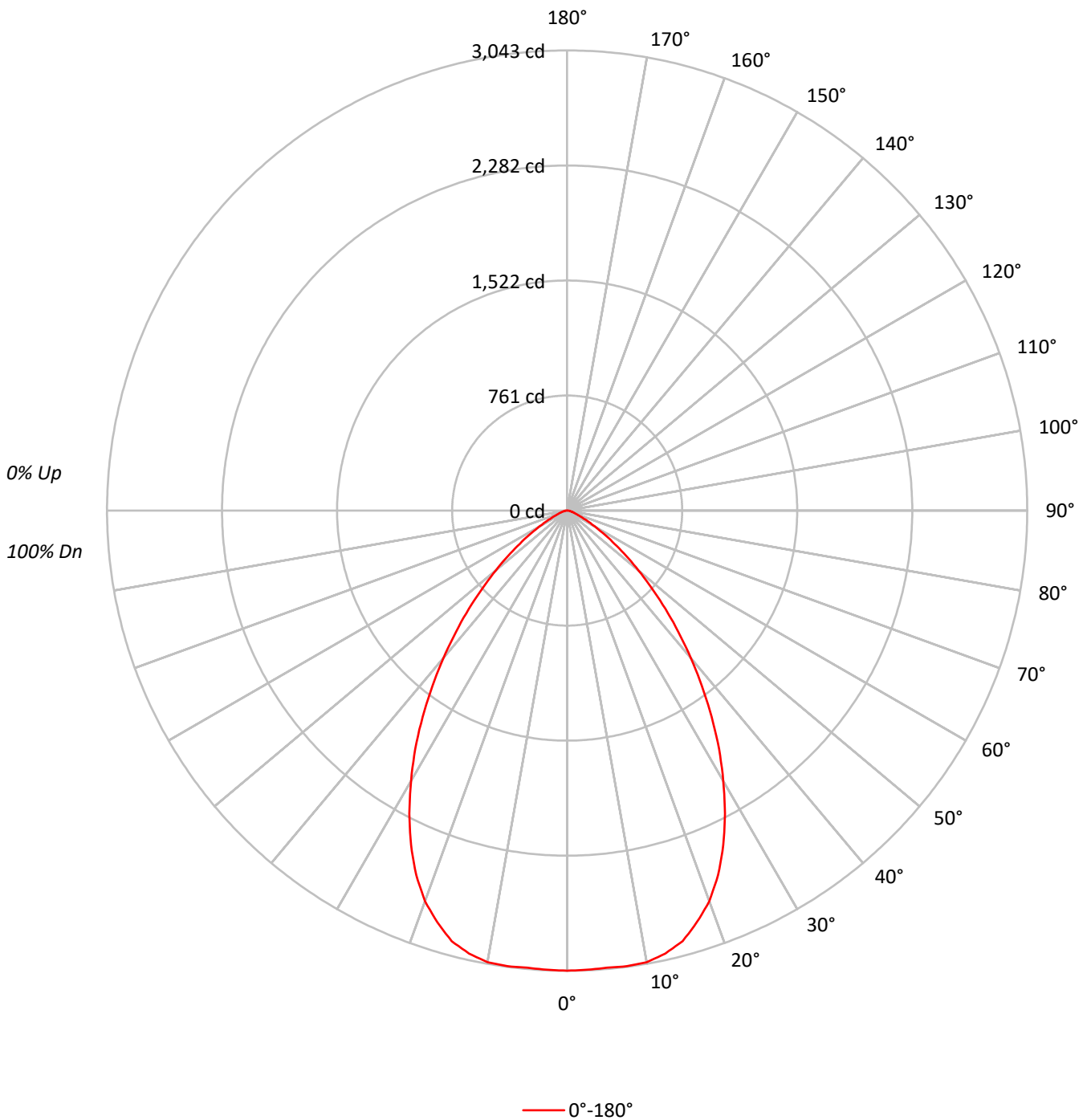
Input Watts (W): 58.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P365042

CATALOG NUMBER: FLD6BX60D010TE-FEU6B67-8040-F6LBXVM1-LI-BTR82

### Luminous Intensity Polar Plot





TEST NUMBER: P365042

CATALOG NUMBER: FLD6BX60D010TE-FEU6B67-8040-F6LBXVM1-LI-BTR82

**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	109	106	103	110	107	104	101	102	100	98		99	97	95		95	94	93	91
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	85	83	81
3	98	90	84	79	96	89	83	79	86	81	77		84	80	76		81	78	75	73
4	92	83	76	71	90	81	75	70	79	74	69		77	72	69		75	71	68	66
5	86	76	69	64	84	75	68	63	73	67	63		71	66	62		69	65	61	60
6	81	70	63	57	79	69	62	57	67	61	57		66	60	56		64	60	56	54
7	76	65	57	52	74	64	57	52	62	56	52		61	56	52		60	55	51	50
8	71	60	53	48	70	59	53	48	58	52	48		57	51	47		56	51	47	46
9	67	56	49	44	66	55	49	44	54	48	44		53	48	44		52	47	43	42
10	63	52	45	41	62	52	45	41	51	45	41		50	44	40		49	44	40	39

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

	0°
0°	217877
5°	218113
10°	220490
15°	218543
20°	209428
25°	192904
30°	170732
35°	145590
40°	118921
45°	92977
50°	68573
55°	47549
60°	30374
65°	18484
70°	12498
75°	9683
80°	8494
85°	11830



TEST NUMBER: P365042

CATALOG NUMBER: FLD6BX60D010TE-FEU6B67-8040-F6LBXVM1-LI-BTR82

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	289.9	6.4
10°-20°	824.4	18.3
20°-30°	1115.1	24.8
30°-40°	1037.3	23.1
40°-50°	710.7	15.8
50°-60°	350.3	7.8
60°-70°	117.0	2.6
70°-80°	38.8	0.9
80°-90°	13.5	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°	2229.4	49.6
0°-40°	3266.7	72.6
0°-60°	4327.7	96.2
0°-90°	4497.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4497.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3043	
5°	3035	290
15°	2948	824
25°	2442	1115
35°	1666	1037
45°	918	711
55°	381	350
65°	109	117
75°	35	39
85°	14	13
90°	0	



TEST NUMBER: P365042

CATALOG NUMBER: FLD6BX60D010TE-FEU6B67-8040-F6LBXVM1-LI-BTR82

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3042.9
2.5°	3038.8
5°	3034.6
7.5°	3038.8
10°	3032.6
12.5°	2999.6
15°	2948.2
17.5°	2853.5
20°	2748.5
22.5°	2608.5
25°	2441.7
27.5°	2260.5
30°	2065.0
32.5°	1869.4
35°	1665.6
37.5°	1463.8
40°	1272.3
42.5°	1087.0
45°	918.2
47.5°	757.6
50°	615.6
52.5°	492.0
55°	380.9
57.5°	290.3
60°	212.1
62.5°	152.3
65°	109.1
67.5°	78.2
70°	59.7
72.5°	45.3
75°	35.0
77.5°	26.8
80°	20.6
82.5°	16.5
85°	14.4
87.5°	8.2
90°	0.0

(END OF REPORT)