

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: P365728

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8030-F6LBXVM1-MW-BTR85**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365728  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX60D010TE-FEU6B67-8030-F6LBXVM1-MW-BTR85  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,  
BOTTOM TRIM POLYCARBONATE, CLEAR 0.187", 6000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3524.0 lumens  
Efficiency: N/A  
Efficacy: 60.7 lumens/watt  
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.84  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

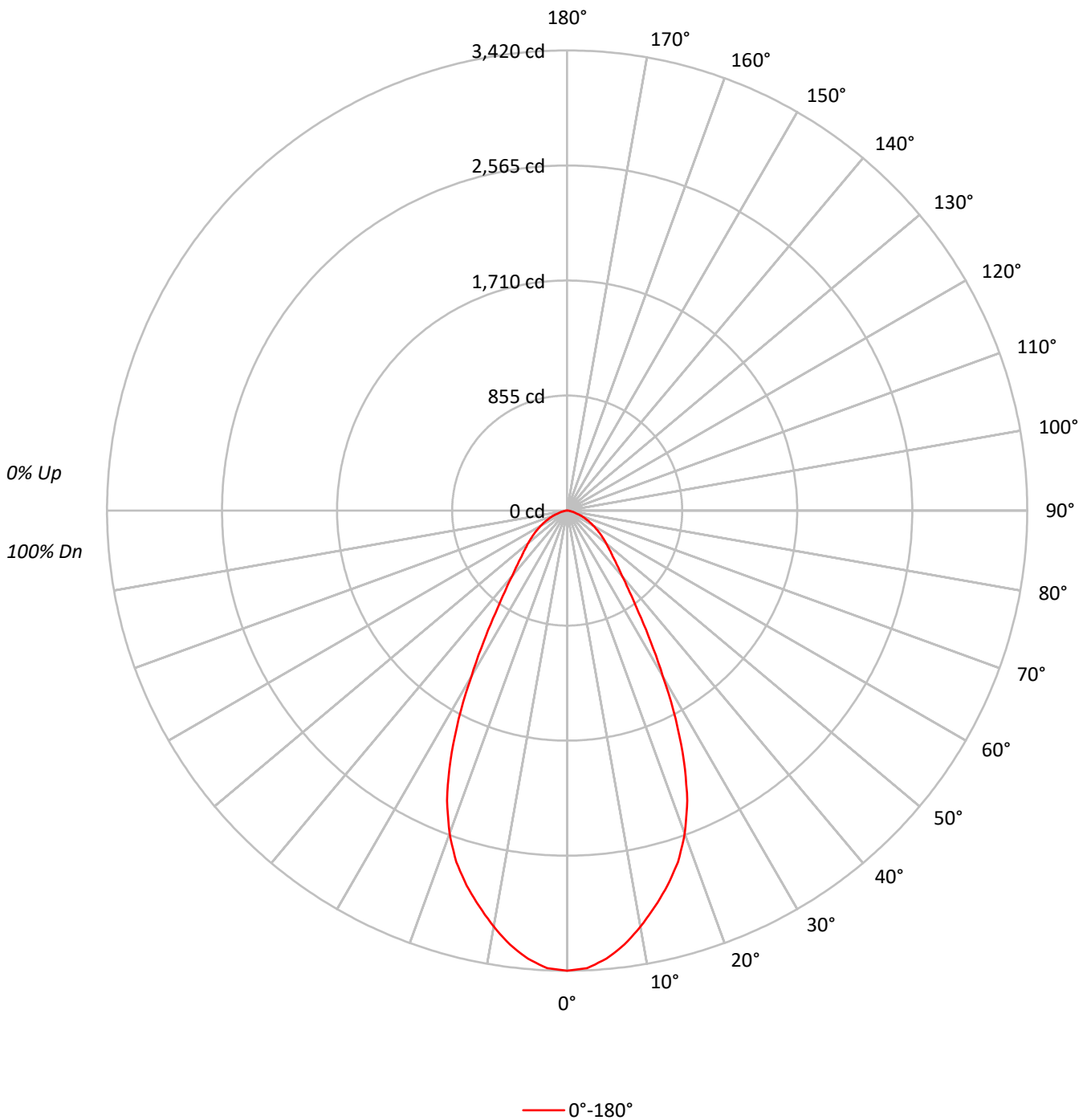
Input Watts (W): 58.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P365728

CATALOG NUMBER: FLD6BX60D010TE-FEU6B67-8030-F6LBXVM1-MW-BTR85

### Luminous Intensity Polar Plot





TEST NUMBER: P365728

CATALOG NUMBER: FLD6BX60D010TE-FEU6B67-8030-F6LBXVM1-MW-BTR85

**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	92	91
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	86	83	82
3	99	91	85	80	96	89	84	79	87	82	78		84	80	77		82	78	76	74
4	93	84	77	72	91	82	76	72	80	75	71		78	73	70		76	72	69	67
5	87	77	70	65	85	76	70	65	74	69	64		73	68	64		71	67	63	62
6	82	72	65	60	80	71	64	60	69	63	59		68	63	59		66	62	58	57
7	77	67	60	55	76	66	60	55	65	59	55		64	58	54		62	58	54	52
8	73	63	56	51	72	62	55	51	61	55	51		60	54	51		59	54	50	49
9	70	59	52	48	68	58	52	48	57	51	47		56	51	47		55	51	47	45
10	66	55	49	45	65	55	49	44	54	48	44		53	48	44		52	48	44	43

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

	0°
0°	244864
5°	240344
10°	228313
15°	213821
20°	194676
25°	162393
30°	117759
35°	81020
40°	59559
45°	48342
50°	42051
55°	37151
60°	32321
65°	27413
70°	22170
75°	16018
80°	10721
85°	11502



TEST NUMBER: P365728

CATALOG NUMBER: FLD6BX60D010TE-FEU6B67-8030-F6LBXVM1-MW-BTR85

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	312.7	8.9
10°-20°	805.7	22.9
20°-30°	924.5	26.2
30°-40°	598.4	17.0
40°-50°	375.9	10.7
50°-60°	267.5	7.6
60°-70°	161.3	4.6
70°-80°	64.2	1.8
80°-90°	13.9	0.4
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°	2042.9	58.0
0°-40°	2641.2	74.9
0°-60°	3284.7	93.2
0°-90°	3524.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3524.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3420	
5°	3344	313
15°	2884	806
25°	2056	925
35°	927	598
45°	477	376
55°	298	268
65°	162	161
75°	58	64
85°	14	14
90°	0	



TEST NUMBER: P365728

CATALOG NUMBER: FLD6BX60D010TE-FEU6B67-8030-F6LBXVM1-MW-BTR85

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	3419.8
2.5°	3403.8
5°	3343.9
7.5°	3254.0
10°	3140.2
12.5°	3014.3
15°	2884.5
17.5°	2738.6
20°	2554.9
22.5°	2333.1
25°	2055.5
27.5°	1745.9
30°	1424.3
32.5°	1152.6
35°	926.9
37.5°	761.1
40°	637.2
42.5°	547.3
45°	477.4
47.5°	423.5
50°	377.5
52.5°	337.6
55°	297.6
57.5°	261.7
60°	225.7
62.5°	193.8
65°	161.8
67.5°	131.8
70°	105.9
72.5°	79.9
75°	57.9
77.5°	40.0
80°	26.0
82.5°	16.0
85°	14.0
87.5°	8.0
90°	0.0

(END OF REPORT)