

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: P365748

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8035-F6LBXVM1-MW-BTR87**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365748  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX60D010TE-FEU6B67-8035-F6LBXVM1-MW-BTR87  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,  
BOTTOM TRIM POLYCARBONATE, CLEAR 0.375", 6000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3545.9 lumens  
Efficiency: N/A  
Efficacy: 61.0 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

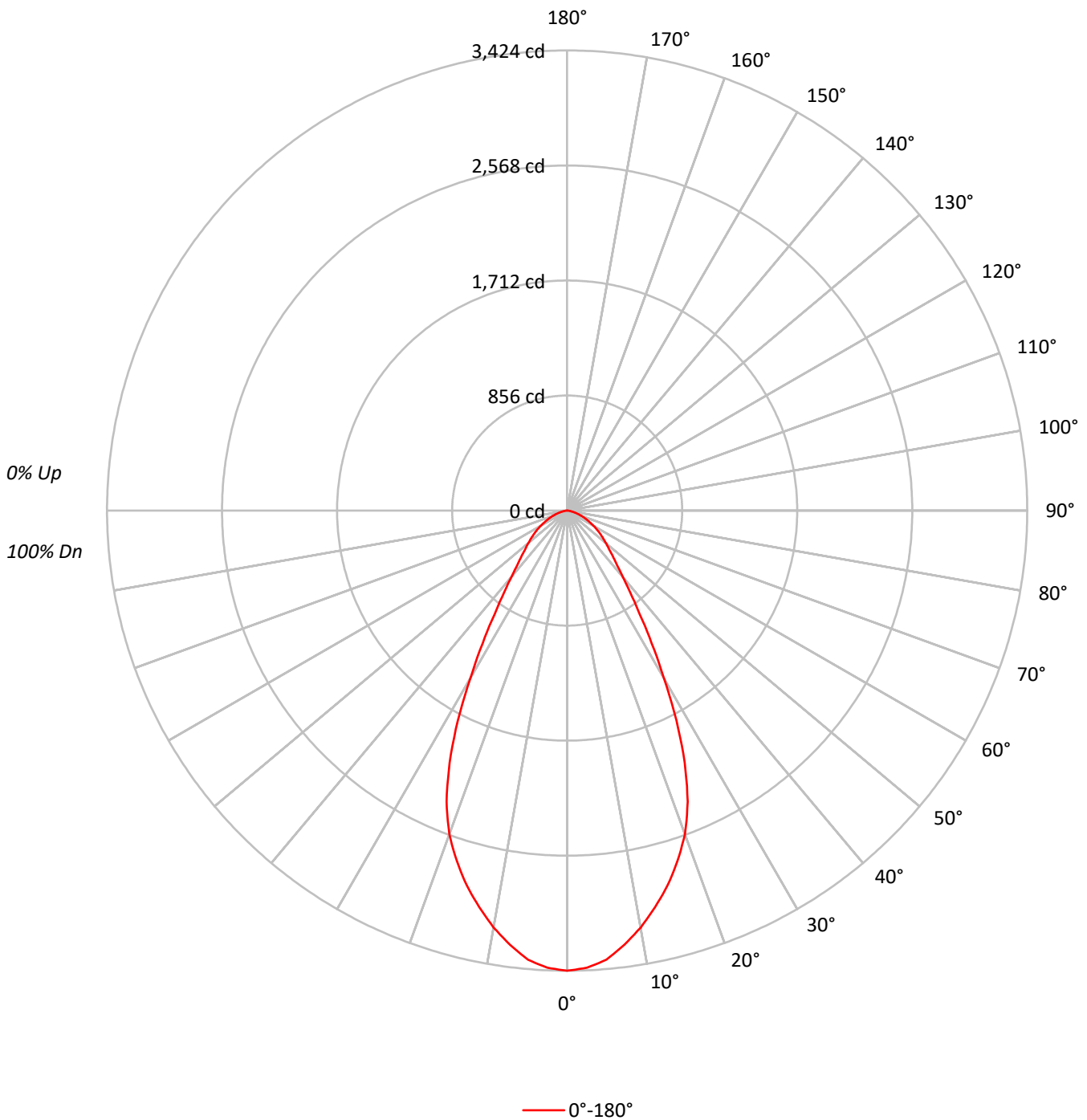
Input Watts (W): 58.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**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	106	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	92	84	77	72	91	82	76	71	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	61
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	63	58	54	62	58	54	52
8	73	62	56	51	72	62	55	51	61	55	51	60	54	50	59	54	50	49
9	69	59	52	48	68	58	52	47	57	51	47	56	51	47	55	50	47	45
10	66	55	49	44	65	55	49	44	54	48	44	53	48	44	52	47	44	43

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

	0°
0°	245136
5°	241092
10°	229054
15°	214029
20°	195301
25°	163514
30°	119024
35°	82340
40°	60222
45°	48524
50°	42017
55°	37163
60°	32407
65°	27633
70°	22631
75°	16931
80°	11752
85°	10023



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	313.3	8.8
10°-20°	806.4	22.7
20°-30°	930.9	26.3
30°-40°	607.0	17.1
40°-50°	376.8	10.6
50°-60°	267.6	7.5
60°-70°	162.7	4.6
70°-80°	67.4	1.9
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°	2050.6	57.8
0°-40°	2657.6	74.9
0°-60°	3302.0	93.1
0°-90°	3545.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3545.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3424	
5°	3354	313
15°	2887	806
25°	2070	931
35°	942	607
45°	479	377
55°	298	268
65°	163	163
75°	61	67
85°	12	14
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3423.6
2.5°	3405.2
5°	3354.3
7.5°	3258.4
10°	3150.4
12.5°	3021.9
15°	2887.3
17.5°	2732.3
20°	2563.1
22.5°	2344.9
25°	2069.7
27.5°	1761.8
30°	1439.6
32.5°	1170.4
35°	942.0
37.5°	772.8
40°	644.3
42.5°	548.5
45°	479.2
47.5°	422.1
50°	377.2
52.5°	336.4
55°	297.7
57.5°	263.0
60°	226.3
62.5°	193.7
65°	163.1
67.5°	134.6
70°	108.1
72.5°	83.6
75°	61.2
77.5°	42.8
80°	28.5
82.5°	18.4
85°	12.2
87.5°	6.1
90°	0.0

(END OF REPORT)