

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: P365782

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8050-F6LBXVM1-MW-BTR85**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365782  
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-FEU6B67-8050-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: 3721.0 lumens  
Efficiency: N/A  
Efficacy: 64.0 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

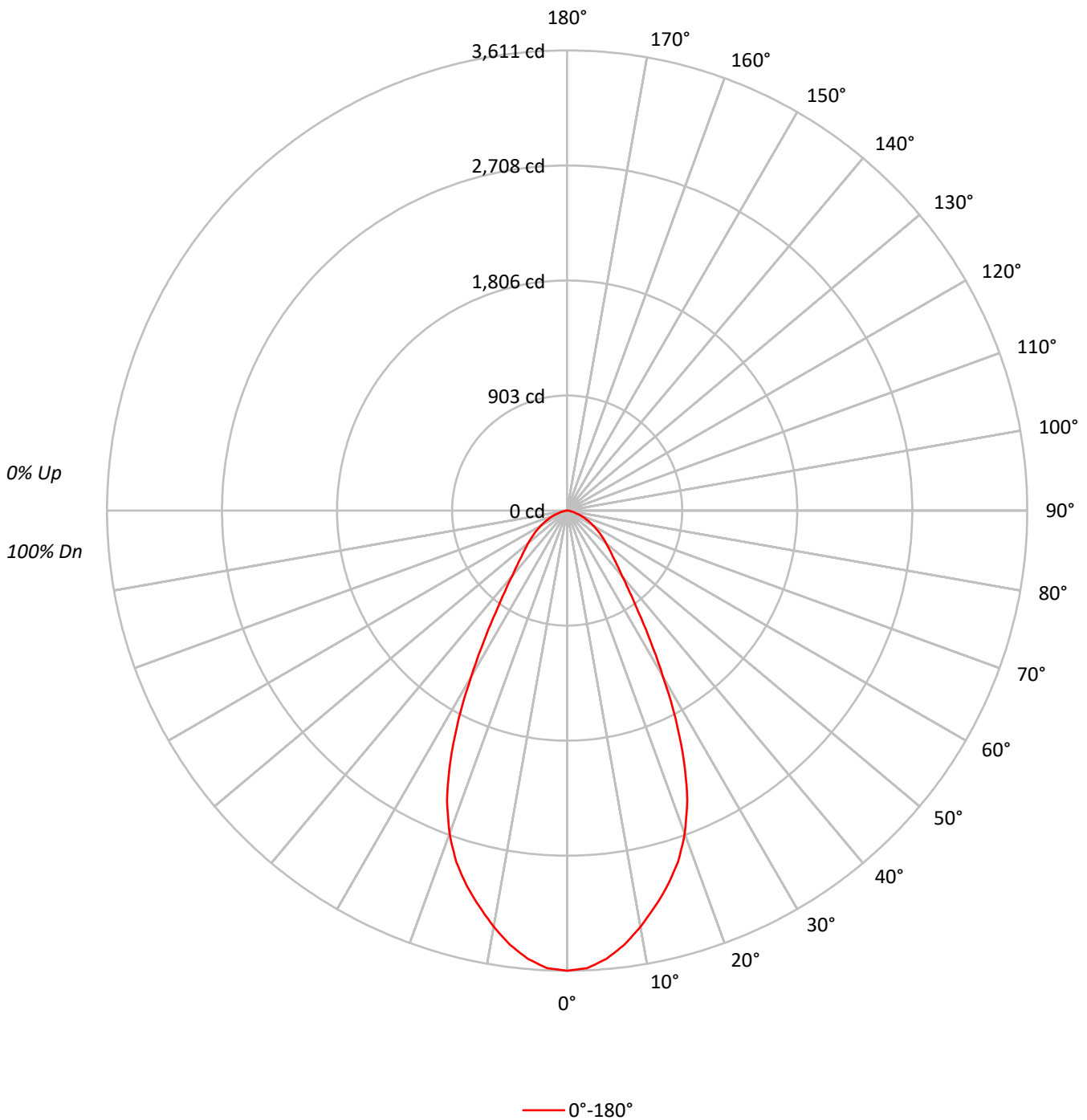
Input Watts (W): 58.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	258554
5°	253778
10°	241073
15°	225771
20°	205557
25°	171470
30°	124340
35°	85548
40°	62886
45°	51045
50°	44401
55°	39235
60°	34125
65°	28938
70°	23405
75°	16931
80°	11298
85°	12159



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	330.2	8.9
10°-20°	850.7	22.9
20°-30°	976.2	26.2
30°-40°	631.8	17.0
40°-50°	396.9	10.7
50°-60°	282.5	7.6
60°-70°	170.3	4.6
70°-80°	67.7	1.8
80°-90°	14.6	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°	2157.1	58.0
0°-40°	2788.9	74.9
0°-60°	3468.3	93.2
0°-90°	3721.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3721.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3611	
5°	3531	330
15°	3046	851
25°	2170	976
35°	979	632
45°	504	397
55°	314	282
65°	171	170
75°	61	68
85°	15	15
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	3611.0
2.5°	3594.1
5°	3530.8
7.5°	3435.9
10°	3315.7
12.5°	3182.8
15°	3045.7
17.5°	2891.7
20°	2697.7
22.5°	2463.6
25°	2170.4
27.5°	1843.5
30°	1503.9
32.5°	1217.0
35°	978.7
37.5°	803.6
40°	672.8
42.5°	577.9
45°	504.1
47.5°	447.2
50°	398.6
52.5°	356.5
55°	314.3
57.5°	276.3
60°	238.3
62.5°	204.6
65°	170.8
67.5°	139.2
70°	111.8
72.5°	84.4
75°	61.2
77.5°	42.2
80°	27.4
82.5°	16.9
85°	14.8
87.5°	8.4
90°	0.0

(END OF REPORT)