

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: P365732

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8030-F6LBXVM1-MW-BTR89BV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365732  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-12)  
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-BTR89BV  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,  
BOTTOM TRIM ACRYLIC, CLEAR 0.125", 6000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3743.0 lumens  
Efficiency: N/A  
Efficacy: 64.4 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

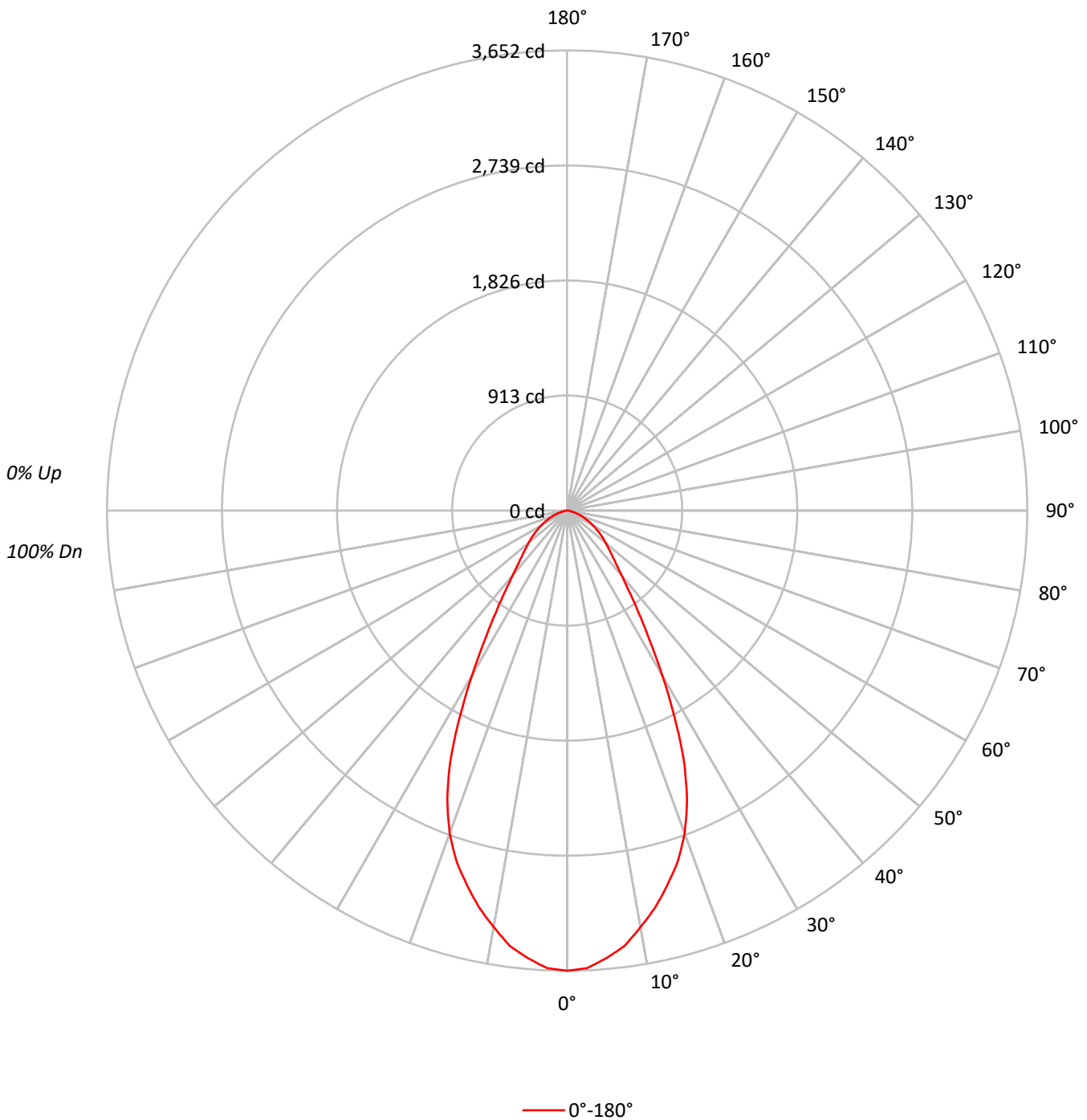
Input Watts (W): 58.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	74	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	64	59	68	63	59	66	62	58	57
7	78	67	60	55	76	66	60	55	65	59	55	64	58	54	62	58	54	53
8	73	63	56	51	72	62	56	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	46
10	66	55	49	45	65	55	49	45	54	48	44	53	48	44	52	48	44	43

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

	0°
0°	261497
5°	256329
10°	244046
15°	227950
20°	207683
25°	173374
30°	124646
35°	86046
40°	62896
45°	50954
50°	44490
55°	39385
60°	34312
65°	29090
70°	23405
75°	16571
80°	11545
85°	13145



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	334.2	8.9
10°-20°	860.0	23.0
20°-30°	982.9	26.3
30°-40°	632.4	16.9
40°-50°	396.4	10.6
50°-60°	283.0	7.6
60°-70°	171.6	4.6
70°-80°	67.3	1.8
80°-90°	15.2	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°	2177.1	58.2
0°-40°	2809.5	75.1
0°-60°	3488.9	93.2
0°-90°	3743.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3743.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3652	
5°	3566	334
15°	3075	860
25°	2194	983
35°	984	632
45°	503	396
55°	316	283
65°	172	172
75°	60	67
85°	16	15
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3652.1
2.5°	3634.2
5°	3566.3
7.5°	3484.4
10°	3356.6
12.5°	3226.8
15°	3075.1
17.5°	2919.3
20°	2725.6
22.5°	2486.0
25°	2194.5
27.5°	1843.0
30°	1507.6
32.5°	1212.0
35°	984.4
37.5°	804.7
40°	672.9
42.5°	575.1
45°	503.2
47.5°	447.3
50°	399.4
52.5°	357.4
55°	315.5
57.5°	275.6
60°	239.6
62.5°	205.7
65°	171.7
67.5°	141.8
70°	111.8
72.5°	83.9
75°	59.9
77.5°	41.9
80°	28.0
82.5°	18.0
85°	16.0
87.5°	8.0
90°	0.0

(END OF REPORT)