

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: P365714

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8027-F6LBXVM1-MW-BTR89BV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365714  
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-FEU6B67-8027-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: 3581.0 lumens  
Efficiency: N/A  
Efficacy: 61.6 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

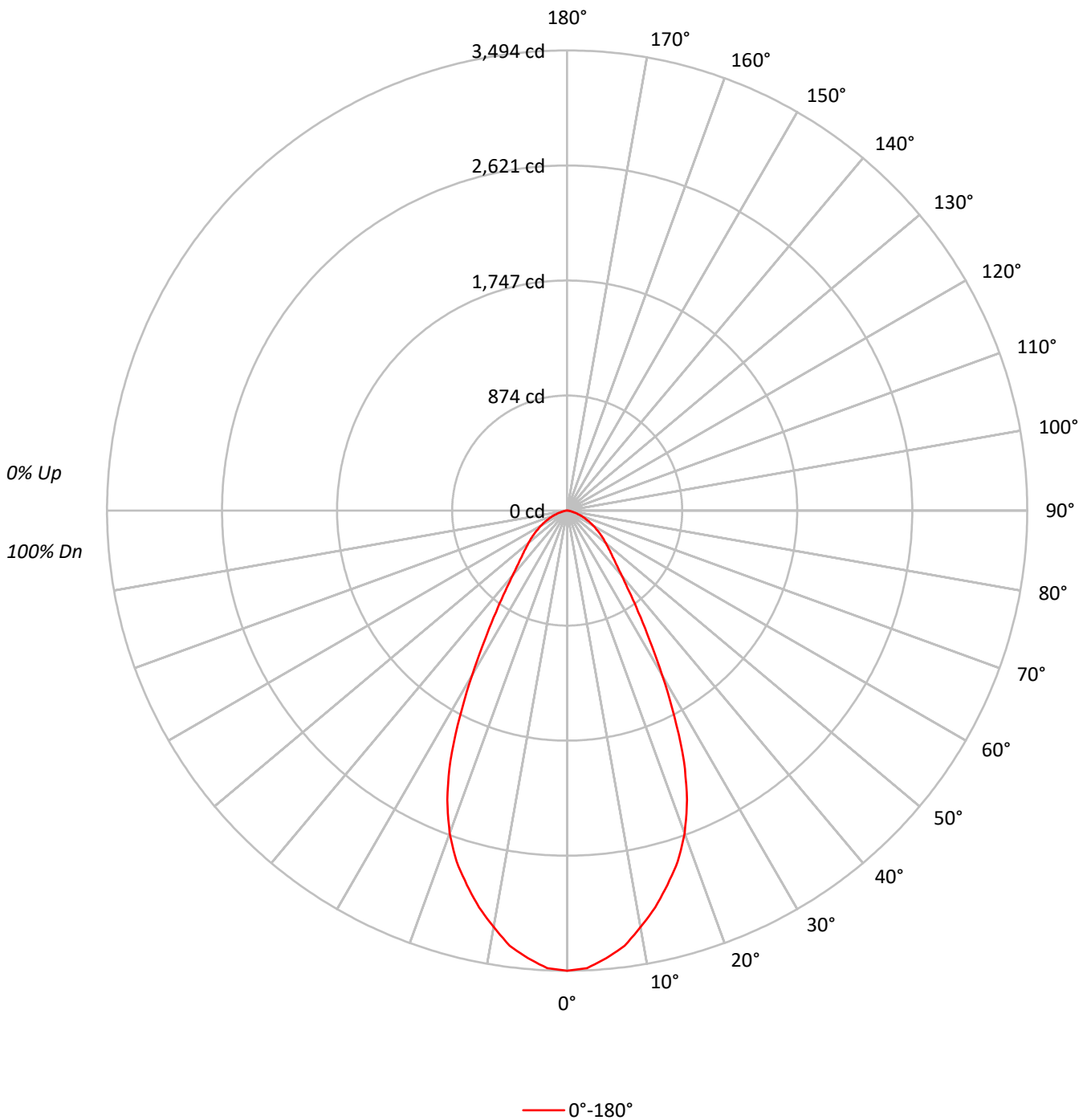
Input Watts (W): 58.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	81	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°	250184
5°	245232
10°	233482
15°	218084
20°	198692
25°	165869
30°	119247
35°	82322
40°	60176
45°	48747
50°	42563
55°	37675
60°	32822
65°	27836
70°	22400
75°	15852
80°	11009
85°	12570



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	319.7	8.9
10°-20°	822.8	23.0
20°-30°	940.4	26.3
30°-40°	605.1	16.9
40°-50°	379.2	10.6
50°-60°	270.8	7.6
60°-70°	164.2	4.6
70°-80°	64.3	1.8
80°-90°	14.5	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°	2082.9	58.2
0°-40°	2687.9	75.1
0°-60°	3337.9	93.2
0°-90°	3581.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3581.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3494	
5°	3412	320
15°	2942	823
25°	2100	940
35°	942	605
45°	481	379
55°	302	271
65°	164	164
75°	57	64
85°	15	15
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	3494.1
2.5°	3476.9
5°	3411.9
7.5°	3333.6
10°	3211.3
12.5°	3087.1
15°	2942.0
17.5°	2793.0
20°	2607.6
22.5°	2378.4
25°	2099.5
27.5°	1763.3
30°	1442.3
32.5°	1159.6
35°	941.8
37.5°	769.9
40°	643.8
42.5°	550.2
45°	481.4
47.5°	427.9
50°	382.1
52.5°	342.0
55°	301.8
57.5°	263.6
60°	229.2
62.5°	196.8
65°	164.3
67.5°	135.6
70°	107.0
72.5°	80.2
75°	57.3
77.5°	40.1
80°	26.7
82.5°	17.2
85°	15.3
87.5°	7.6
90°	0.0

(END OF REPORT)