

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: P365751

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8035-F6LBXVM1-MW-BTR94**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365751  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-21)  
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-BTR94  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,  
BOTTOM TRIM GLASS, TEMPERED CLEAR 0.187", 6000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3625.0 lumens  
Efficiency: N/A  
Efficacy: 62.4 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.83  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

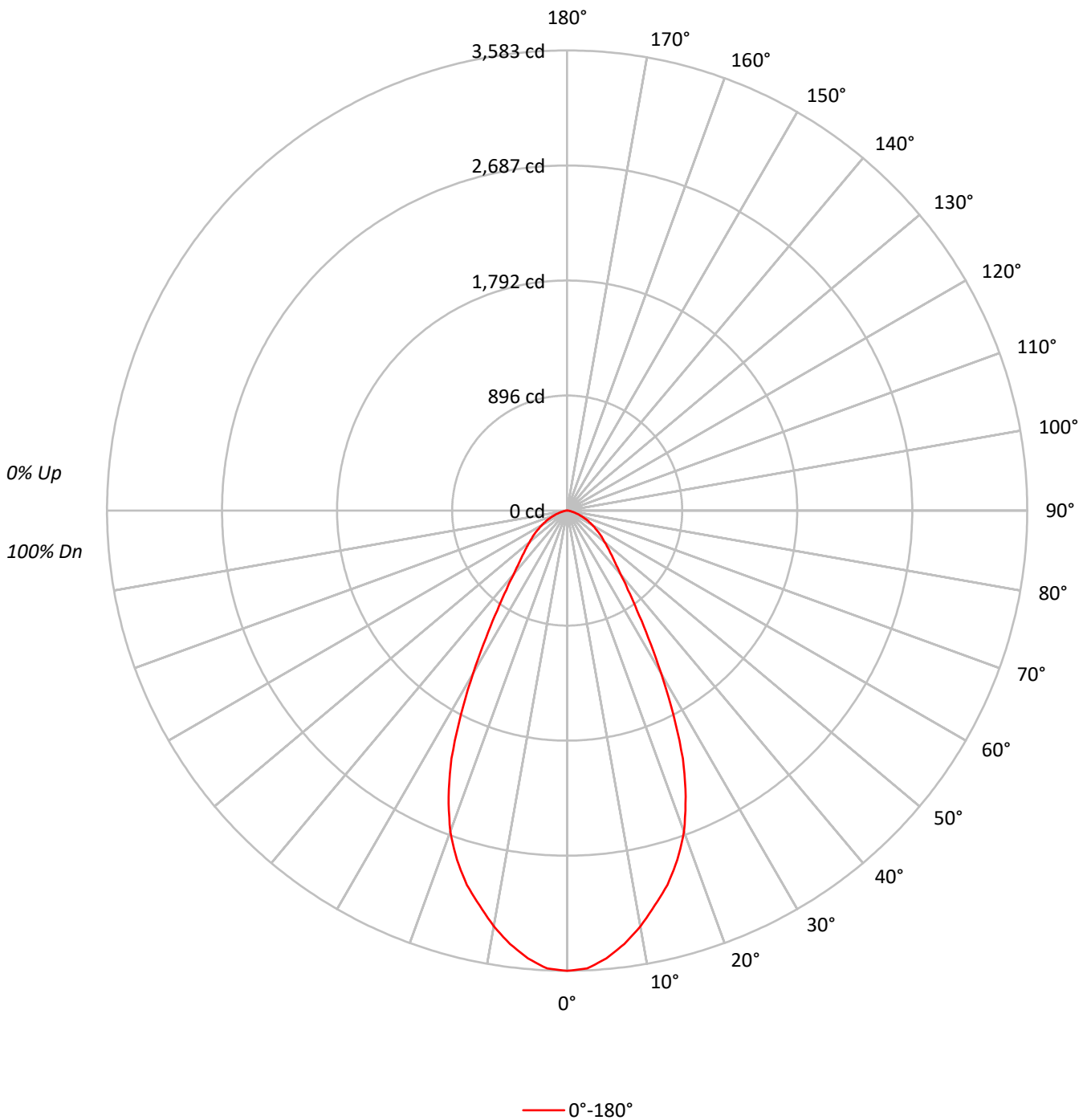
Input Watts (W): 58.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	93	91
2	105	99	94	90	103	98	93	89	94	91	87		91	88	85		88	86	84	82
3	99	91	85	80	97	90	84	80	87	82	78		84	80	77		82	79	76	74
4	93	84	77	72	91	83	77	72	80	75	71		78	74	70		76	72	69	68
5	87	78	71	66	85	77	70	65	75	69	65		73	68	64		71	67	64	62
6	82	72	65	60	81	71	65	60	70	64	60		68	63	59		67	62	59	57
7	78	67	60	56	76	66	60	55	65	59	55		64	59	55		63	58	54	53
8	74	63	56	51	72	62	56	51	61	55	51		60	55	51		59	54	51	49
9	70	59	52	48	69	59	52	48	58	52	48		57	51	48		56	51	47	46
10	66	56	49	45	65	55	49	45	54	49	45		53	48	45		53	48	44	43

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

	0°
0°	256578
5°	251557
10°	238913
15°	223651
20°	202730
25°	168349
30°	120769
35°	82803
40°	60746
45°	49304
50°	42441
55°	37637
60°	32679
65°	27616
70°	21751
75°	15769
80°	10061
85°	11748



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	327.3	9.0
10°-20°	841.0	23.2
20°-30°	954.9	26.3
30°-40°	611.2	16.9
40°-50°	381.8	10.5
50°-60°	270.3	7.5
60°-70°	161.7	4.5
70°-80°	63.0	1.7
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°	2123.1	58.6
0°-40°	2734.3	75.4
0°-60°	3386.4	93.4
0°-90°	3625.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3625.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3583	
5°	3500	327
15°	3017	841
25°	2131	955
35°	947	611
45°	487	382
55°	302	270
65°	163	162
75°	57	63
85°	14	14
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3583.4
2.5°	3569.1
5°	3499.9
7.5°	3404.1
10°	3286.0
12.5°	3149.5
15°	3017.1
17.5°	2852.1
20°	2660.6
22.5°	2412.0
25°	2130.9
27.5°	1790.7
30°	1460.7
32.5°	1173.4
35°	947.3
37.5°	778.2
40°	649.9
42.5°	554.1
45°	486.9
47.5°	429.8
50°	381.0
52.5°	342.2
55°	301.5
57.5°	262.8
60°	228.2
62.5°	193.5
65°	163.0
67.5°	132.4
70°	103.9
72.5°	79.4
75°	57.0
77.5°	38.7
80°	24.4
82.5°	16.3
85°	14.3
87.5°	8.1
90°	0.0

(END OF REPORT)