

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: P365034

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8040-F6LBXVM1-LI-BL85**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365034  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-43)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX60D010TE-FEU6B67-8040-F6LBXVM1-LI-BL85  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, SPECULAR CLEAR REFLECTOR,  
BOTTOM LENS POLYCARBONATE, CLEAR 0.187", 6000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5444.1 lumens  
Efficiency: N/A  
Efficacy: 93.7 lumens/watt  
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.82  
Luminous Opening: Circular (Dia: 0.71' x H: 0')  
CIE Type: Direct

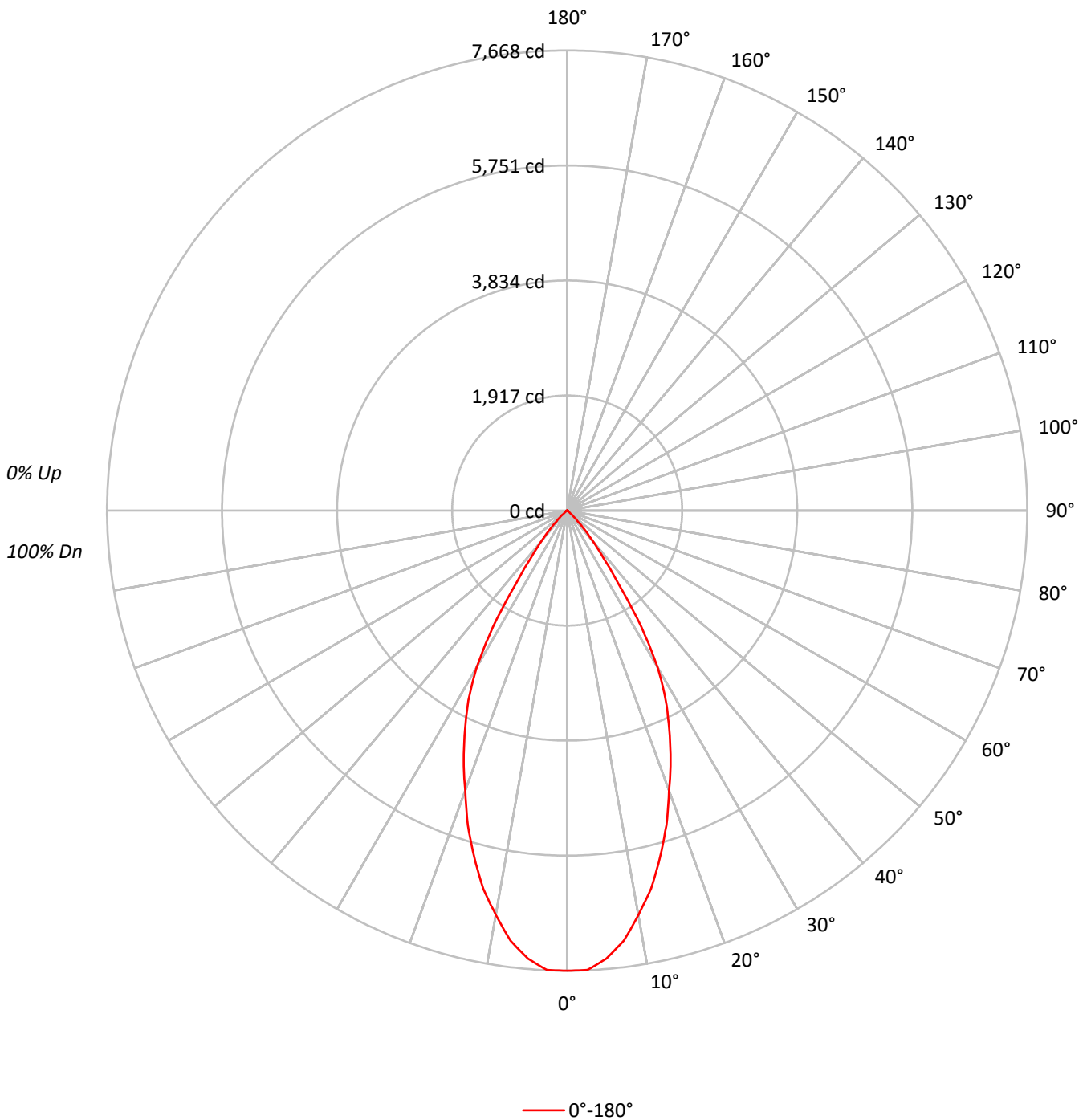
Input Watts (W): 58.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98	97	96	94
2	109	104	100	97	106	102	99	96	99	96	94		96	94	92		93	91	90	88
3	103	97	93	89	101	96	92	88	93	90	87		91	88	85		89	86	84	83
4	99	91	86	82	97	90	85	82	88	84	81		86	83	80		84	81	79	77
5	94	86	80	76	92	85	80	76	83	79	75		82	78	75		80	77	74	73
6	90	81	75	71	88	80	75	71	79	74	71		77	73	70		76	73	70	68
7	85	77	71	67	84	76	71	67	75	70	66		74	69	66		72	69	66	64
8	82	72	67	63	80	72	67	63	71	66	63		70	65	62		69	65	62	61
9	78	69	63	59	77	68	63	59	67	62	59		66	62	59		66	62	59	57
10	74	65	60	56	73	65	60	56	64	59	56		63	59	56		63	58	56	54

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

	0°
0°	209453
5°	205472
10°	189749
15°	169088
20°	144403
25°	121274
30°	95203
35°	49332
40°	23559
45°	9275
50°	2443
55°	686
60°	448
65°	401
70°	327
75°	433
80°	330
85°	658



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	694.9	12.8
10°-20°	1661.8	30.5
20°-30°	1834.8	33.7
30°-40°	1009.6	18.5
40°-50°	213.4	3.9
50°-60°	18.1	0.3
60°-70°	5.6	0.1
70°-80°	4.1	0.1
80°-90°	2.0	0.0
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°	4191.4	77.0
0°-40°	5201.0	95.5
0°-60°	5432.4	99.8
0°-90°	5444.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5444.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	7668	
5°	7494	695
15°	5979	1662
25°	4024	1835
35°	1479	1010
45°	240	213
55°	14	18
65°	6	6
75°	4	4
85°	2	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	7668.0
2.5°	7663.9
5°	7493.6
7.5°	7230.9
10°	6841.1
12.5°	6453.3
15°	5979.3
17.5°	5497.1
20°	4967.7
22.5°	4503.9
25°	4023.8
27.5°	3560.1
30°	3018.4
32.5°	2304.3
35°	1479.4
37.5°	997.2
40°	660.7
42.5°	412.4
45°	240.1
47.5°	123.1
50°	57.5
52.5°	24.6
55°	14.4
57.5°	10.3
60°	8.2
62.5°	6.2
65°	6.2
67.5°	4.1
70°	4.1
72.5°	6.2
75°	4.1
77.5°	2.1
80°	2.1
82.5°	2.1
85°	2.1
87.5°	2.1
90°	0.0

(END OF REPORT)