

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: P366420

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8027-F6LBXVM1-WMH-BL85**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366420  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-47)  
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-WMH-BL85  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, WARM HAZE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.187", 6000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4990.9 lumens  
Efficiency: N/A  
Efficacy: 85.9 lumens/watt  
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.85  
Luminous Opening: Circular (Dia: 0.71' x H: 0')  
CIE Type: Direct

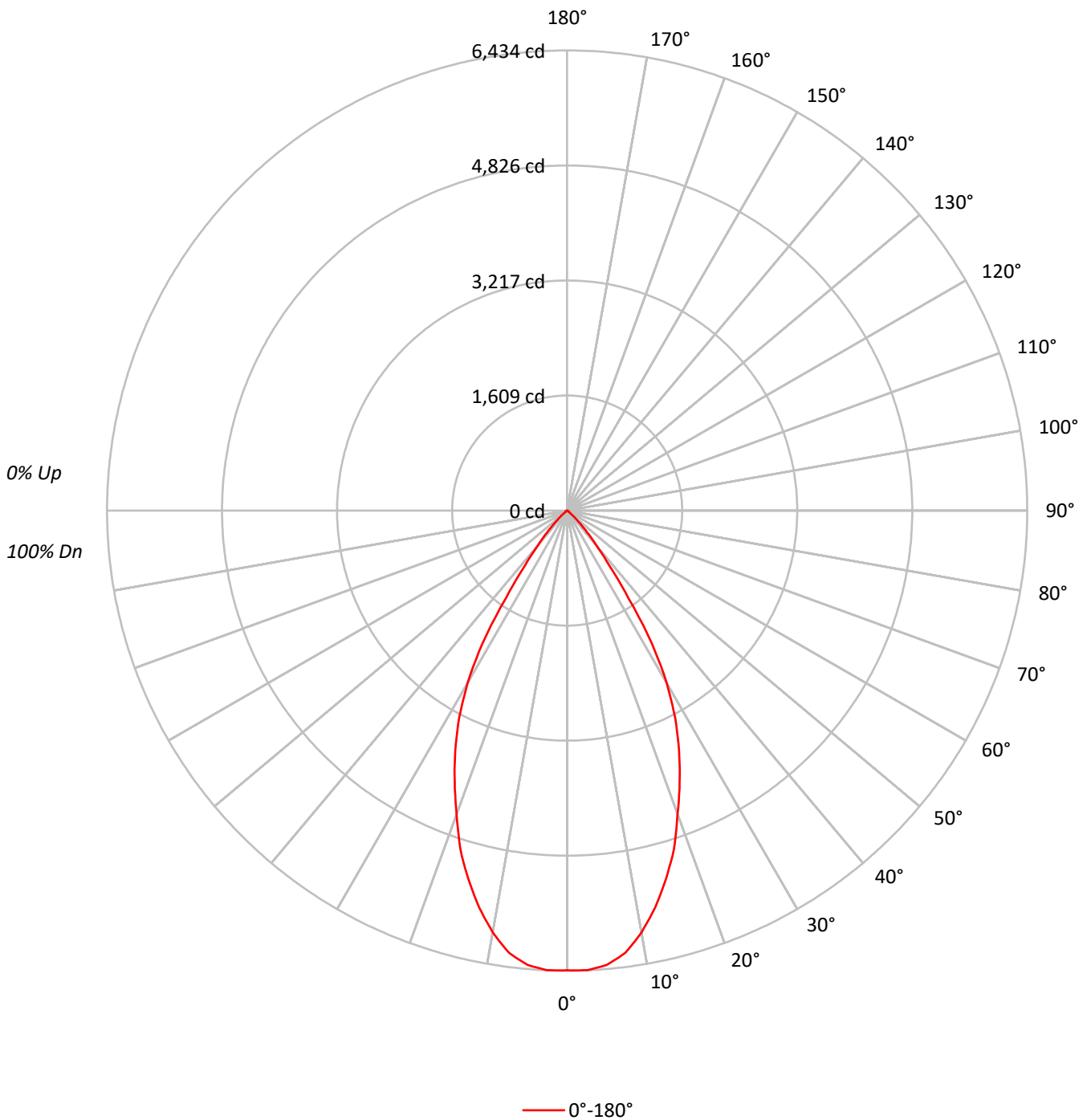
Input Watts (W): 58.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	106	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	108	104	100	97	106	102	98	95	99	96	93	96	93	91	93	91	89	88
3	103	97	92	88	101	96	91	88	93	89	86	91	88	85	88	86	84	82
4	98	91	86	82	96	90	85	81	88	83	80	86	82	79	84	81	78	77
5	93	85	80	76	92	85	79	75	83	78	75	81	77	74	80	76	73	72
6	89	80	75	71	88	80	74	70	78	73	70	77	73	69	76	72	69	68
7	85	76	70	66	83	75	70	66	74	69	65	73	68	65	72	68	65	63
8	81	72	66	62	80	71	66	62	70	65	62	69	65	61	68	64	61	60
9	77	68	62	58	76	67	62	58	66	62	58	66	61	58	65	61	58	56
10	74	64	59	55	73	64	59	55	63	58	55	62	58	55	62	58	55	53

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

	0°
0°	175580
5°	174841
10°	166090
15°	150868
20°	131281
25°	111614
30°	87797
35°	50095
40°	22539
45°	9487
50°	2992
55°	905
60°	623
65°	491
70°	455
75°	602
80°	299
85°	595



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	596.4	12.0
10°-20°	1484.0	29.7
20°-30°	1681.7	33.7
30°-40°	974.9	19.5
40°-50°	216.2	4.3
50°-60°	23.7	0.5
60°-70°	7.7	0.2
70°-80°	5.0	0.1
80°-90°	1.3	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°	3762.1	75.4
0°-40°	4737.0	94.9
0°-60°	4976.9	99.7
0°-90°	4990.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4990.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6428	
5°	6376	596
15°	5335	1484
25°	3703	1682
35°	1502	975
45°	246	216
55°	19	24
65°	8	8
75°	6	5
85°	2	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	6427.9
2.5°	6433.6
5°	6376.5
7.5°	6237.5
10°	5988.1
12.5°	5685.3
15°	5335.0
17.5°	4965.6
20°	4516.3
22.5°	4110.7
25°	3703.3
27.5°	3269.2
30°	2783.6
32.5°	2210.5
35°	1502.3
37.5°	965.3
40°	632.1
42.5°	413.2
45°	245.6
47.5°	137.1
50°	70.4
52.5°	32.4
55°	19.0
57.5°	15.2
60°	11.4
62.5°	9.5
65°	7.6
67.5°	5.7
70°	5.7
72.5°	5.7
75°	5.7
77.5°	3.8
80°	1.9
82.5°	1.9
85°	1.9
87.5°	0.0
90°	0.0

(END OF REPORT)