

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: P366488

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8040-F6LBXVM1-WMH-BTR89BV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366488  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-28)  
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-WMH-BTR89BV  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,  
BOTTOM TRIM ACRYLIC, CLEAR 0.125", 6000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4788.0 lumens  
Efficiency: N/A  
Efficacy: 82.4 lumens/watt  
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.8  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

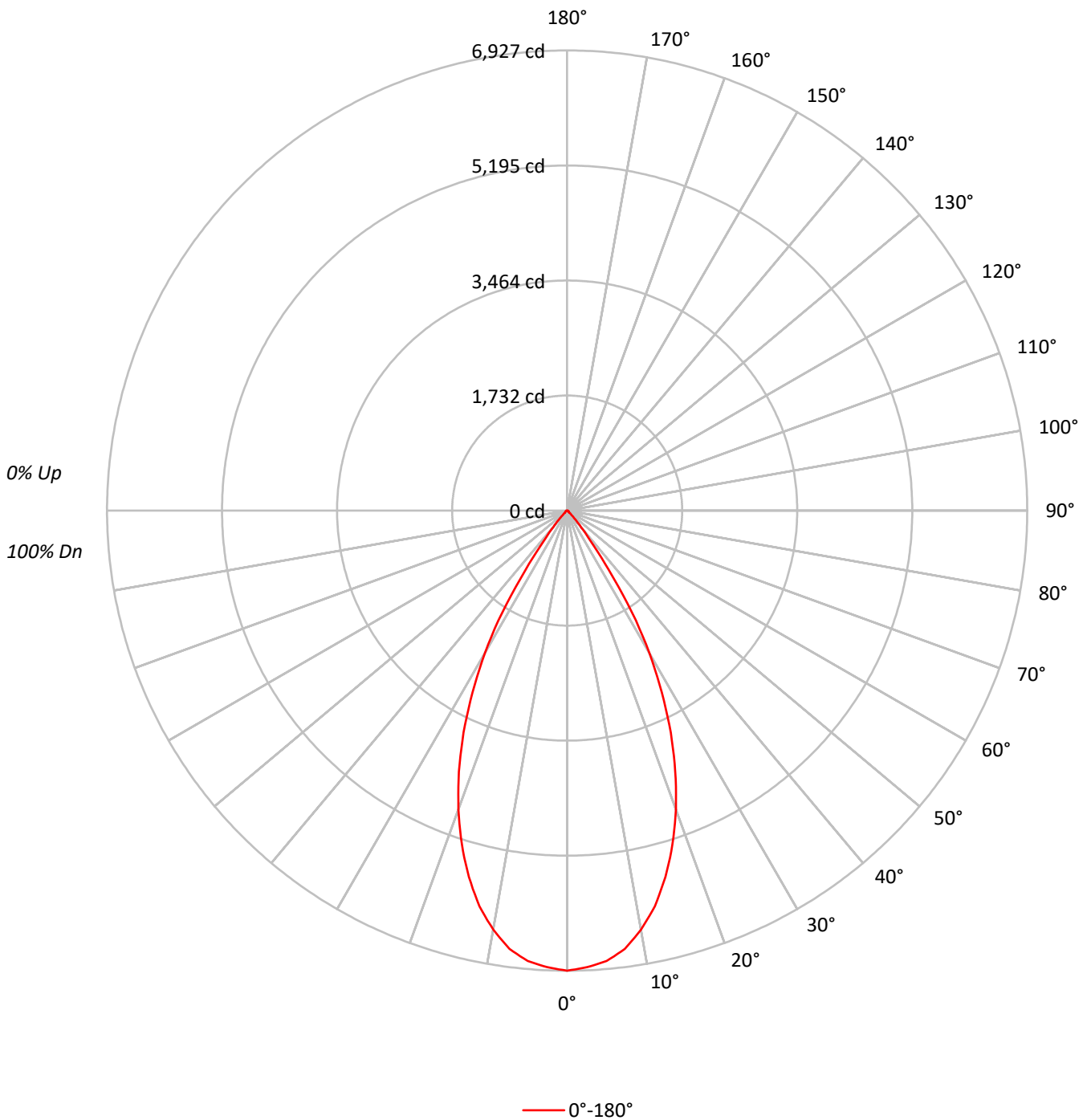
Input Watts (W): 58.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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

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

	0°
0°	495957
5°	489263
10°	465721
15°	423373
20°	364573
25°	291430
30°	204349
35°	95058
40°	30032
45°	9387
50°	4133
55°	3857
60°	3537
65°	3134
70°	3454
75°	3984
80°	5113
85°	8462



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	637.2	13.3
10°-20°	1583.7	33.1
20°-30°	1664.9	34.8
30°-40°	738.7	15.4
40°-50°	92.4	1.9
50°-60°	27.6	0.6
60°-70°	19.4	0.4
70°-80°	15.2	0.3
80°-90°	9.0	0.2
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°	3885.8	81.2
0°-40°	4624.4	96.6
0°-60°	4744.4	99.1
0°-90°	4788.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4788.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6927	
5°	6807	637
15°	5711	1584
25°	3689	1665
35°	1088	739
45°	93	92
55°	31	28
65°	18	19
75°	14	15
85°	10	9
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	6926.6
2.5°	6881.3
5°	6807.1
7.5°	6654.7
10°	6405.5
12.5°	6100.7
15°	5711.4
17.5°	5272.7
20°	4784.6
22.5°	4255.2
25°	3688.8
27.5°	3087.4
30°	2471.6
32.5°	1818.7
35°	1087.5
37.5°	578.8
40°	321.3
42.5°	175.1
45°	92.7
47.5°	45.3
50°	37.1
52.5°	33.0
55°	30.9
57.5°	28.8
60°	24.7
62.5°	22.7
65°	18.5
67.5°	16.5
70°	16.5
72.5°	14.4
75°	14.4
77.5°	14.4
80°	12.4
82.5°	10.3
85°	10.3
87.5°	6.2
90°	0.0

(END OF REPORT)