

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: P366449

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8030-F6LBXVM1-WMH-BTR86**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366449  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-30)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX60D010TE-FEU6B67-8030-F6LBXVM1-WMH-BTR86  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,  
BOTTOM TRIM POLYCARBONATE, CLEAR 0.250", 6000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4278.0 lumens  
Efficiency: N/A  
Efficacy: 73.6 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

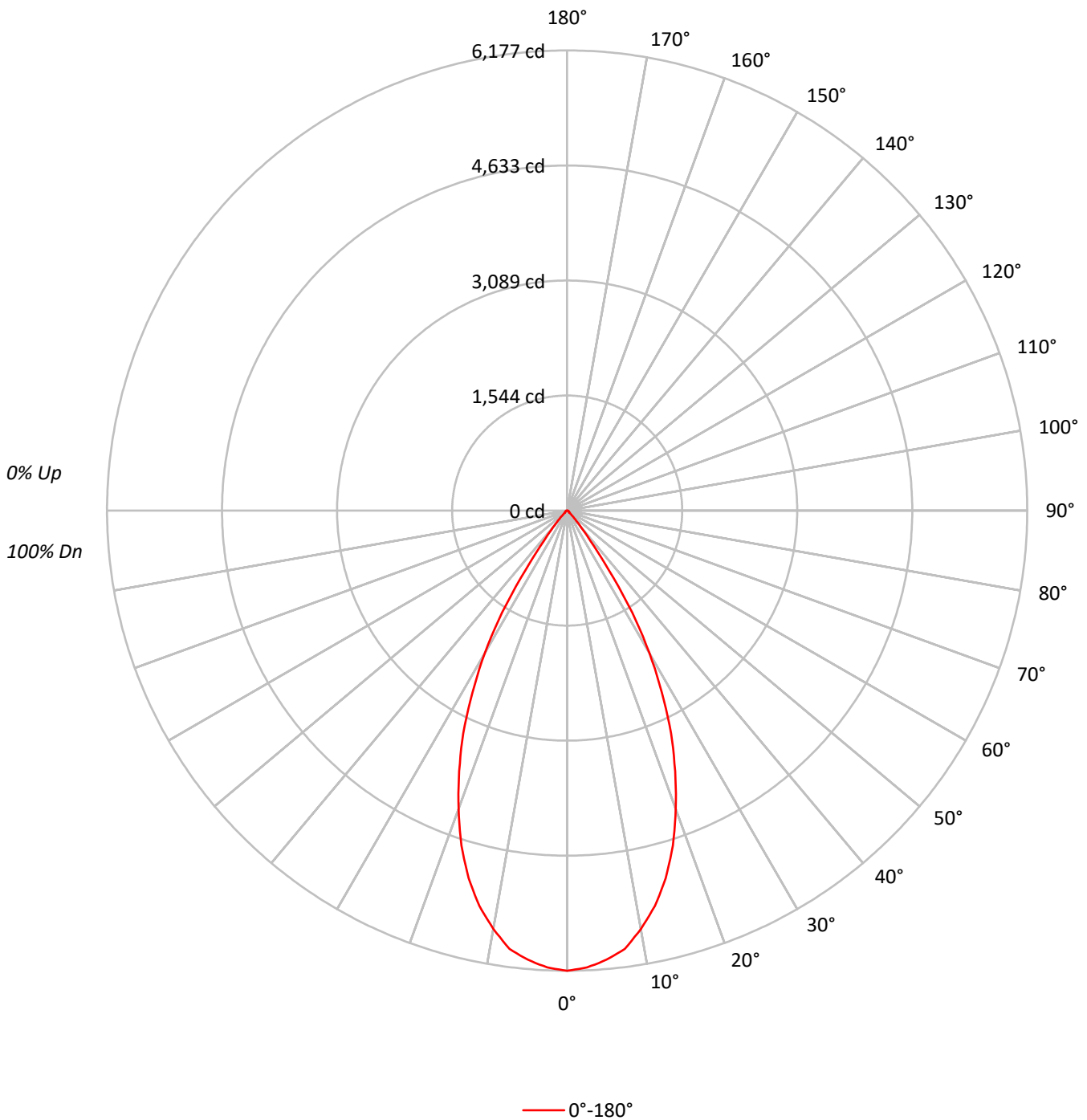
Input Watts (W): 58.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	84	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	73	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	64	61	78	69	64	61	69	64	60	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°	442299
5°	435018
10°	414499
15°	378763
20°	324813
25°	260626
30°	182728
35°	84420
40°	27097
45°	8749
50°	4066
55°	3595
60°	3580
65°	3253
70°	3224
75°	3707
80°	4742
85°	7887



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	567.6	13.3
10°-20°	1413.9	33.1
20°-30°	1484.9	34.7
30°-40°	658.9	15.4
40°-50°	85.2	2.0
50°-60°	26.6	0.6
60°-70°	18.8	0.4
70°-80°	13.7	0.3
80°-90°	8.4	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°	3466.5	81.0
0°-40°	4125.4	96.4
0°-60°	4237.2	99.0
0°-90°	4278.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4278.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6177	
5°	6052	568
15°	5110	1414
25°	3299	1485
35°	966	659
45°	86	85
55°	29	27
65°	19	19
75°	13	14
85°	10	8
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	6177.2
2.5°	6138.8
5°	6052.4
7.5°	5935.3
10°	5701.0
12.5°	5437.9
15°	5109.6
17.5°	4716.0
20°	4262.8
22.5°	3786.6
25°	3298.9
27.5°	2751.6
30°	2210.1
32.5°	1624.5
35°	965.8
37.5°	514.6
40°	289.9
42.5°	159.4
45°	86.4
47.5°	44.2
50°	36.5
52.5°	32.6
55°	28.8
57.5°	26.9
60°	25.0
62.5°	21.1
65°	19.2
67.5°	15.4
70°	15.4
72.5°	13.4
75°	13.4
77.5°	11.5
80°	11.5
82.5°	9.6
85°	9.6
87.5°	5.8
90°	0.0

(END OF REPORT)