

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: P366453

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8030-F6LBXVM1-WMH-BTR94**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366453  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-33)  
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-BTR94  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,  
BOTTOM TRIM GLASS, TEMPERED CLEAR 0.187", 6000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4522.1 lumens  
Efficiency: N/A  
Efficacy: 77.8 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

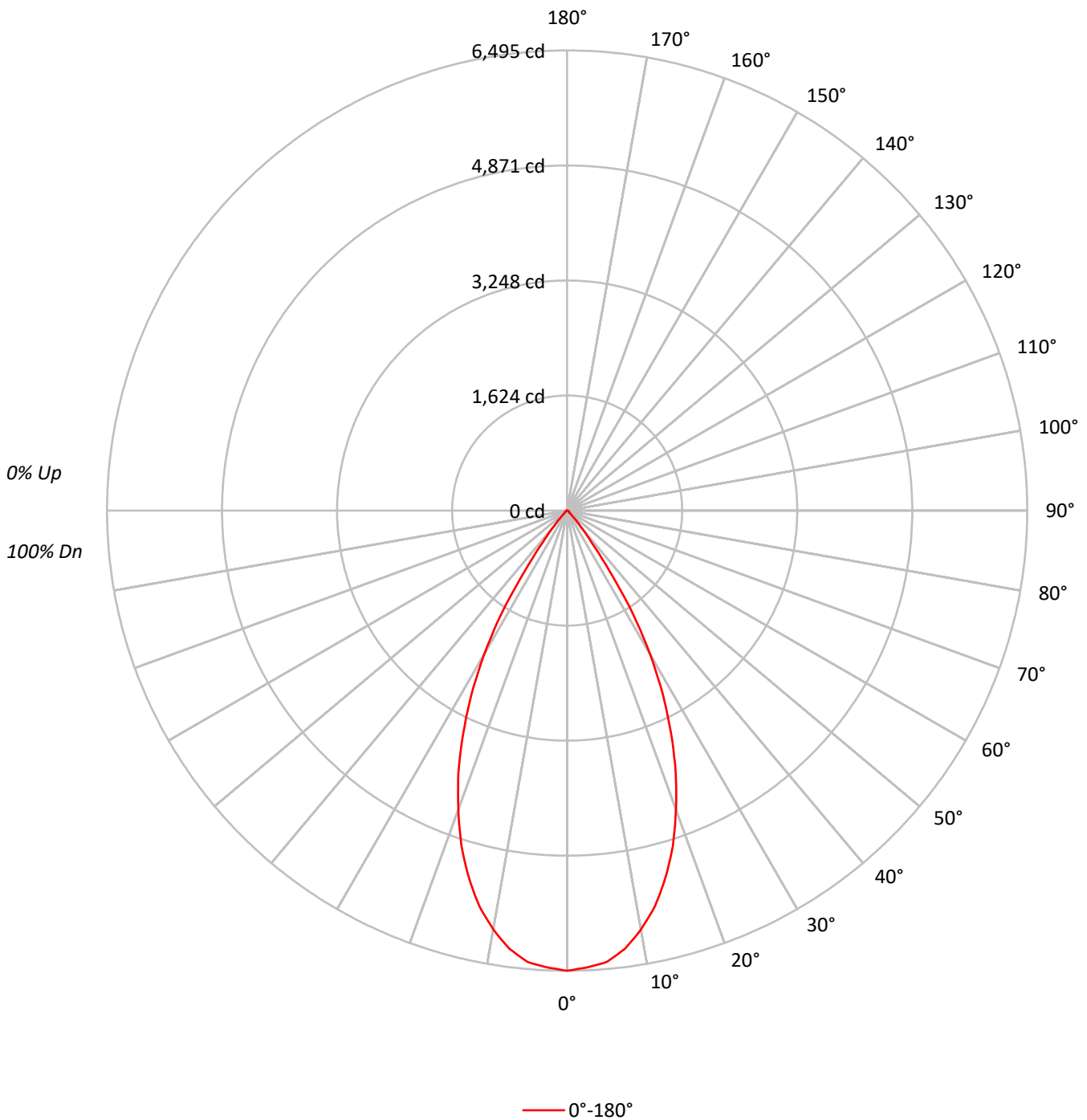
Input Watts (W): 58.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	88	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	79	78
5	94	87	81	77	93	86	81	77	84	80	76		82	78	75		81	77	75	73
6	90	82	76	72	89	81	76	72	80	75	72		78	74	71		77	73	71	69
7	86	78	72	68	85	77	72	68	76	71	67		74	70	67		73	70	67	65
8	82	74	68	64	81	73	68	64	72	67	64		71	67	63		70	66	63	62
9	79	70	64	61	78	69	64	61	68	64	60		68	63	60		67	63	60	59
10	76	66	61	57	75	66	61	57	65	61	57		65	60	57		64	60	57	56

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

	0°
0°	465040
5°	459779
10°	436493
15°	397502
20°	342095
25°	274072
30°	193361
35°	89551
40°	29125
45°	9306
50°	4445
55°	3995
60°	3723
65°	3388
70°	3350
75°	4426
80°	4948
85°	8215



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	597.7	13.2
10°-20°	1487.2	32.9
20°-30°	1569.4	34.7
30°-40°	702.3	15.5
40°-50°	91.9	2.0
50°-60°	28.4	0.6
60°-70°	20.0	0.4
70°-80°	15.9	0.4
80°-90°	9.3	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°	3654.3	80.8
0°-40°	4356.6	96.3
0°-60°	4476.9	99.0
0°-90°	4522.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4522.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6495	
5°	6397	598
15°	5362	1487
25°	3469	1569
35°	1024	702
45°	92	92
55°	32	28
65°	20	20
75°	16	16
85°	10	9
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	6494.8
2.5°	6452.8
5°	6396.9
7.5°	6239.1
10°	6003.5
12.5°	5721.9
15°	5362.4
17.5°	4962.9
20°	4489.6
22.5°	4008.3
25°	3469.1
27.5°	2923.8
30°	2338.7
32.5°	1733.5
35°	1024.5
37.5°	557.2
40°	311.6
42.5°	173.8
45°	91.9
47.5°	47.9
50°	39.9
52.5°	34.0
55°	32.0
57.5°	28.0
60°	26.0
62.5°	22.0
65°	20.0
67.5°	18.0
70°	16.0
72.5°	16.0
75°	16.0
77.5°	14.0
80°	12.0
82.5°	12.0
85°	10.0
87.5°	6.0
90°	0.0

(END OF REPORT)