

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: P366489

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8040-F6LBXVM1-WMH-BTR94**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366489  
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-FEU6B67-8040-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: 4662.0 lumens  
Efficiency: N/A  
Efficacy: 80.2 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

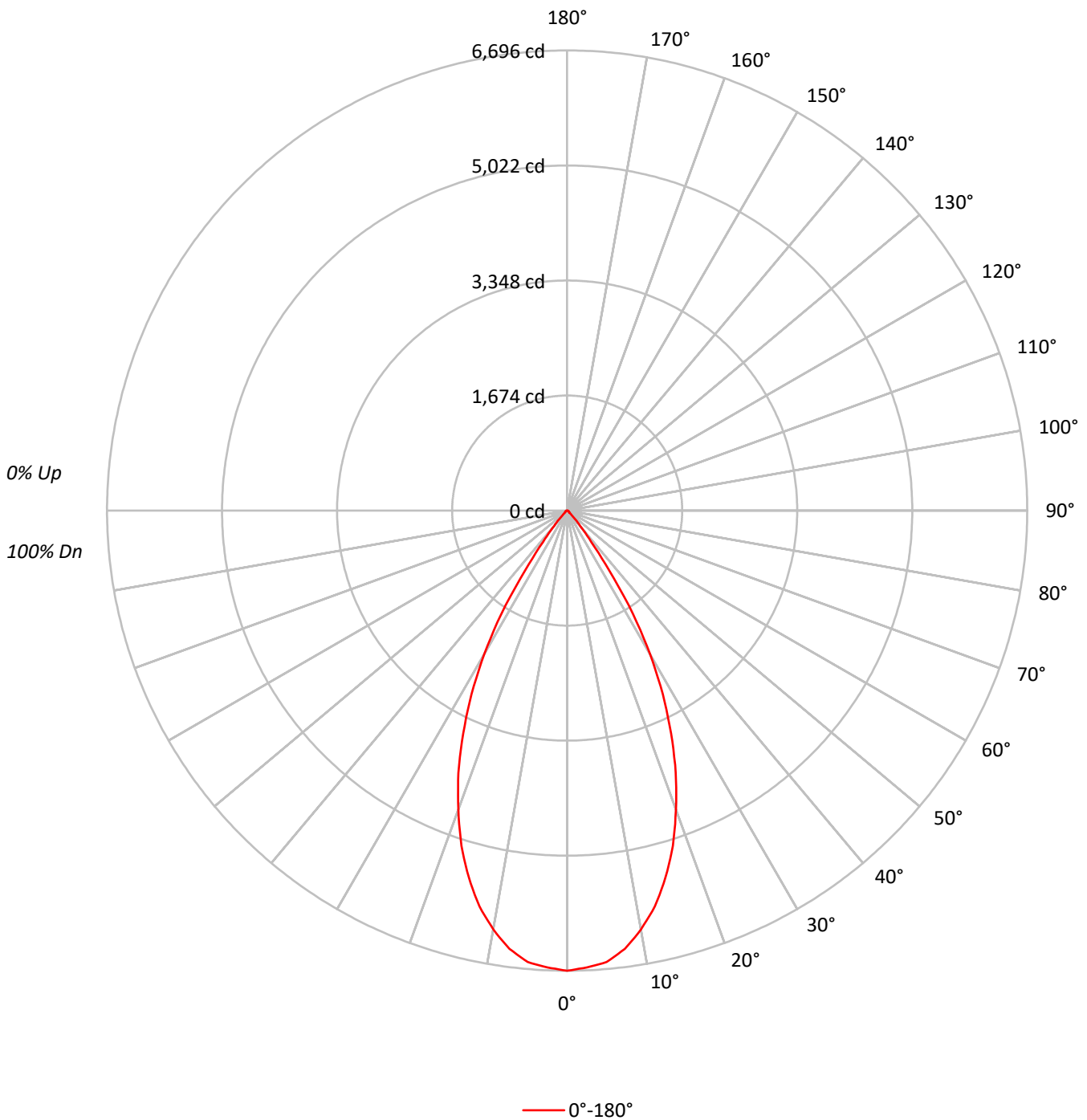
Input Watts (W): 58.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	479432
5°	474011
10°	450002
15°	409808
20°	352686
25°	282557
30°	199347
35°	92331
40°	30022
45°	9589
50°	4589
55°	4107
60°	3838
65°	3490
70°	3454
75°	4565
80°	5113
85°	8462



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	616.2	13.2
10°-20°	1533.2	32.9
20°-30°	1618.0	34.7
30°-40°	724.1	15.5
40°-50°	94.8	2.0
50°-60°	29.2	0.6
60°-70°	20.6	0.4
70°-80°	16.3	0.4
80°-90°	9.6	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°	3767.5	80.8
0°-40°	4491.6	96.3
0°-60°	4615.5	99.0
0°-90°	4662.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4662.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6696	
5°	6595	616
15°	5528	1533
25°	3576	1618
35°	1056	724
45°	95	95
55°	33	29
65°	21	21
75°	16	16
85°	10	10
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	6695.8
2.5°	6652.6
5°	6594.9
7.5°	6432.3
10°	6189.3
12.5°	5899.0
15°	5528.4
17.5°	5116.6
20°	4628.6
22.5°	4132.4
25°	3576.5
27.5°	3014.4
30°	2411.1
32.5°	1787.2
35°	1056.3
37.5°	574.5
40°	321.2
42.5°	179.1
45°	94.7
47.5°	49.4
50°	41.2
52.5°	35.0
55°	32.9
57.5°	28.8
60°	26.8
62.5°	22.6
65°	20.6
67.5°	18.5
70°	16.5
72.5°	16.5
75°	16.5
77.5°	14.4
80°	12.4
82.5°	12.4
85°	10.3
87.5°	6.2
90°	0.0

(END OF REPORT)