

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: P366462

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8035-F6LBXVM1-WMH-BTR80**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366462  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-29)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX60D010TE-FEU6B67-8035-F6LBXVM1-WMH-BTR80  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,  
BOTTOM TRIM ACRYLIC, PATTERN 12 0.125", 6000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4617.0 lumens  
Efficiency: N/A  
Efficacy: 79.5 lumens/watt  
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.88  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

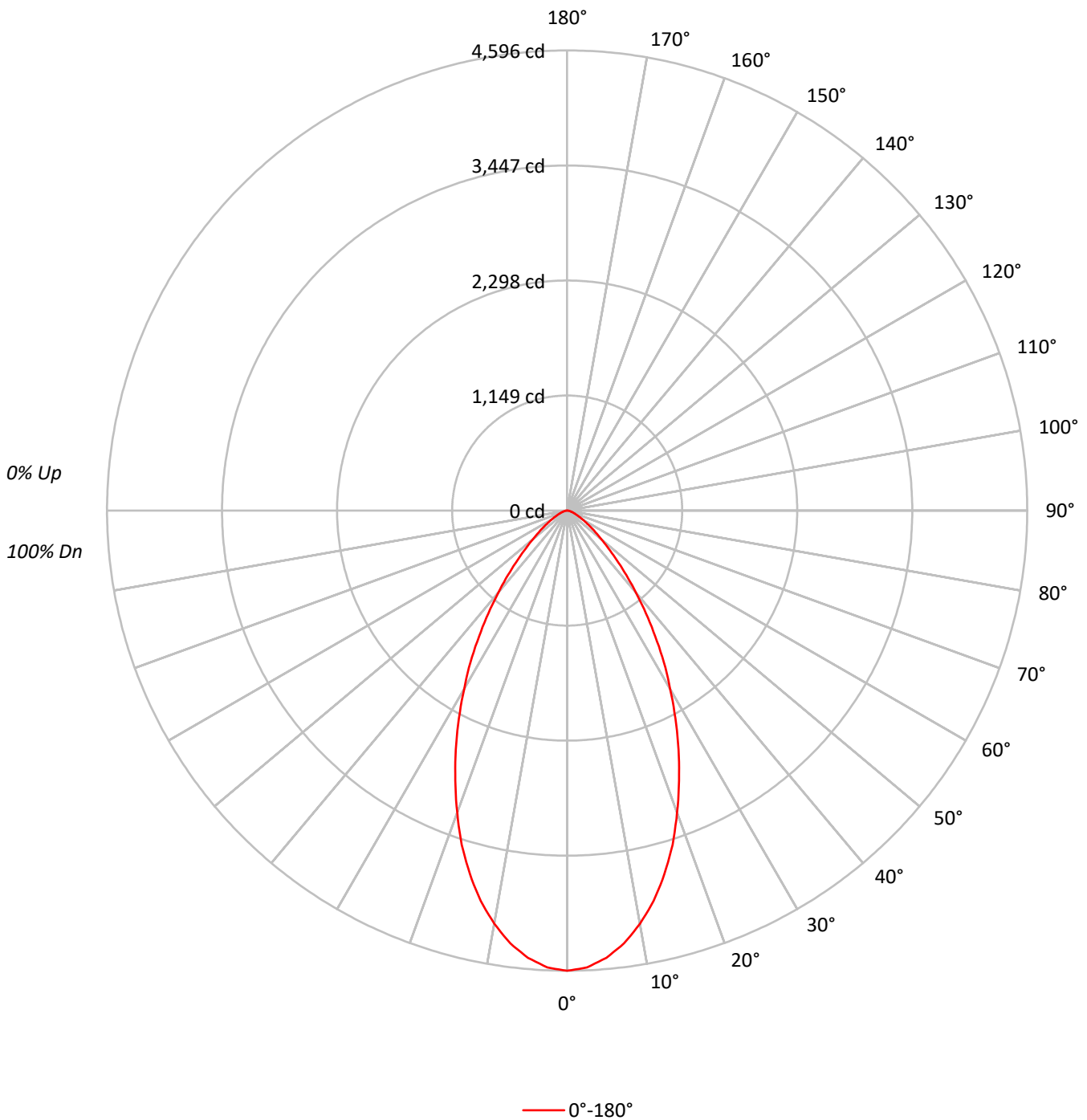
Input Watts (W): 58.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	113	109	106	104	110	107	105	102	103	101	99	99	98	96	96	95	93	91
2	106	100	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85	83
3	100	92	86	82	97	91	85	81	88	84	80	85	82	79	83	80	77	76
4	94	85	79	74	92	84	78	73	82	77	72	79	75	72	78	74	71	69
5	88	79	72	67	86	78	71	67	76	70	66	74	69	66	72	68	65	63
6	83	73	66	62	82	72	66	61	71	65	61	69	64	60	68	63	60	58
7	79	68	61	57	77	67	61	57	66	60	56	65	60	56	64	59	56	54
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	52	50
9	70	60	53	49	69	59	53	49	58	53	49	57	52	48	56	52	48	47
10	67	56	50	46	66	56	50	46	55	49	45	54	49	45	53	49	45	44

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

	0°
0°	329053
5°	322260
10°	304662
15°	278453
20°	244623
25°	207930
30°	170103
35°	133903
40°	99769
45°	70751
50°	49926
55°	35852
60°	25676
65°	18637
70°	14508
75°	11841
80°	10061
85°	10023



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	418.8	9.1
10°-20°	1045.2	22.6
20°-30°	1202.3	26.0
30°-40°	959.4	20.8
40°-50°	553.1	12.0
50°-60°	263.6	5.7
60°-70°	114.1	2.5
70°-80°	46.7	1.0
80°-90°	13.8	0.3
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°	2666.3	57.8
0°-40°	3625.7	78.5
0°-60°	4442.4	96.2
0°-90°	4617.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4617.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4596	
5°	4484	419
15°	3756	1045
25°	2632	1202
35°	1532	959
45°	699	553
55°	287	264
65°	110	114
75°	43	47
85°	12	14
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4595.6
2.5°	4567.1
5°	4483.6
7.5°	4359.3
10°	4190.3
12.5°	3992.7
15°	3756.4
17.5°	3499.7
20°	3210.4
22.5°	2919.1
25°	2631.9
27.5°	2340.6
30°	2057.4
32.5°	1798.7
35°	1531.9
37.5°	1293.5
40°	1067.4
42.5°	873.9
45°	698.7
47.5°	560.2
50°	448.2
52.5°	358.5
55°	287.2
57.5°	226.1
60°	179.3
62.5°	140.6
65°	110.0
67.5°	87.6
70°	69.3
72.5°	55.0
75°	42.8
77.5°	32.6
80°	24.4
82.5°	18.3
85°	12.2
87.5°	8.1
90°	0.0

(END OF REPORT)