

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: P366481

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8040-F6LBXVM1-WMH-BTR81**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366481  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-31)  
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-BTR81  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,  
BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.156", 6000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4415.0 lumens  
Efficiency: N/A  
Efficacy: 76.0 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.19  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

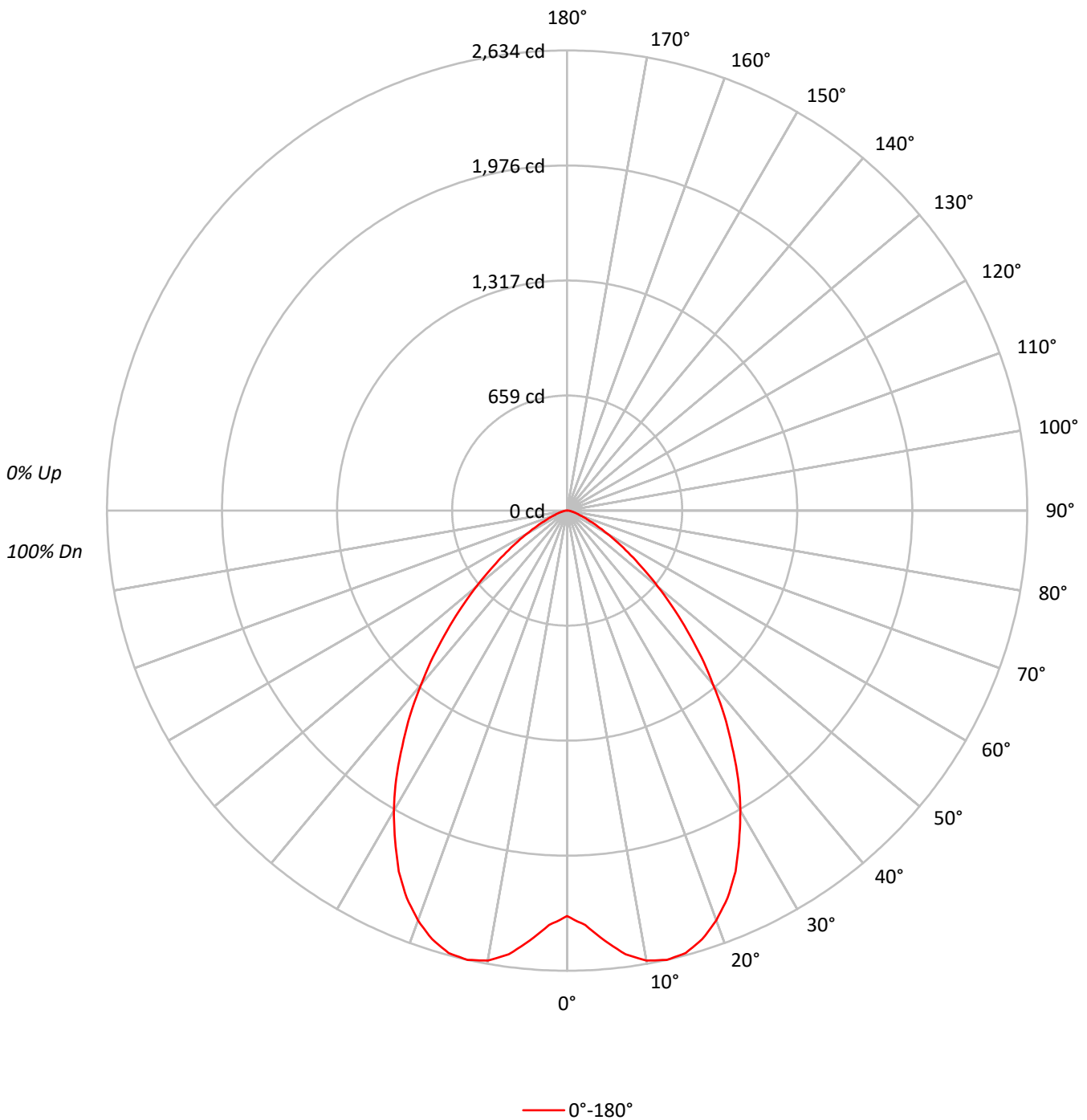
Input Watts (W): 58.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	112	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	90
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76	82	78	74	80	76	73	71
4	91	81	74	69	89	80	73	68	78	72	67	75	71	67	73	69	66	64
5	85	74	67	61	83	73	66	61	71	65	60	69	64	60	68	63	59	57
6	79	68	61	55	77	67	60	55	65	59	55	64	58	54	62	58	54	52
7	74	63	55	50	72	62	55	50	60	54	49	59	53	49	58	53	49	47
8	69	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	43
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	39
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	36

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

	0°
0°	166195
5°	177633
10°	190171
15°	194348
20°	190196
25°	180121
30°	163977
35°	143841
40°	121473
45°	98223
50°	75702
55°	55277
60°	38049
65°	25126
70°	16392
75°	11951
80°	10185
85°	11830



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	240.6	5.4
10°-20°	734.1	16.6
20°-30°	1040.2	23.6
30°-40°	1026.0	23.2
40°-50°	752.0	17.0
50°-60°	403.2	9.1
60°-70°	155.0	3.5
70°-80°	49.4	1.1
80°-90°	14.5	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°	2014.9	45.6
0°-40°	3040.9	68.9
0°-60°	4196.1	95.0
0°-90°	4415.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4415.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2321	
5°	2471	241
15°	2622	734
25°	2280	1040
35°	1646	1026
45°	970	752
55°	443	403
65°	148	155
75°	43	49
85°	14	15
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2321.1
2.5°	2374.6
5°	2471.4
7.5°	2562.0
10°	2615.6
12.5°	2634.1
15°	2621.8
17.5°	2572.3
20°	2496.1
22.5°	2399.3
25°	2279.9
27.5°	2131.6
30°	1983.3
32.5°	1822.7
35°	1645.6
37.5°	1476.7
40°	1299.6
42.5°	1136.9
45°	970.0
47.5°	821.7
50°	679.6
52.5°	552.0
55°	442.8
57.5°	346.0
60°	265.7
62.5°	199.8
65°	148.3
67.5°	109.2
70°	78.3
72.5°	59.7
75°	43.2
77.5°	33.0
80°	24.7
82.5°	18.5
85°	14.4
87.5°	8.2
90°	0.0

(END OF REPORT)