

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: P366237

Luminaire Tested: **FLD6BX30D010-FEU6B35-8050-F6LBXVM1-WMH-BTR94**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366237  
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: FLD6BX30D010-FEU6B35-8050-F6LBXVM1-WMH-BTR94  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,  
BOTTOM TRIM GLASS, TEMPERED CLEAR 0.187", 3000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2343.0 lumens  
Efficiency: N/A  
Efficacy: 86.8 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

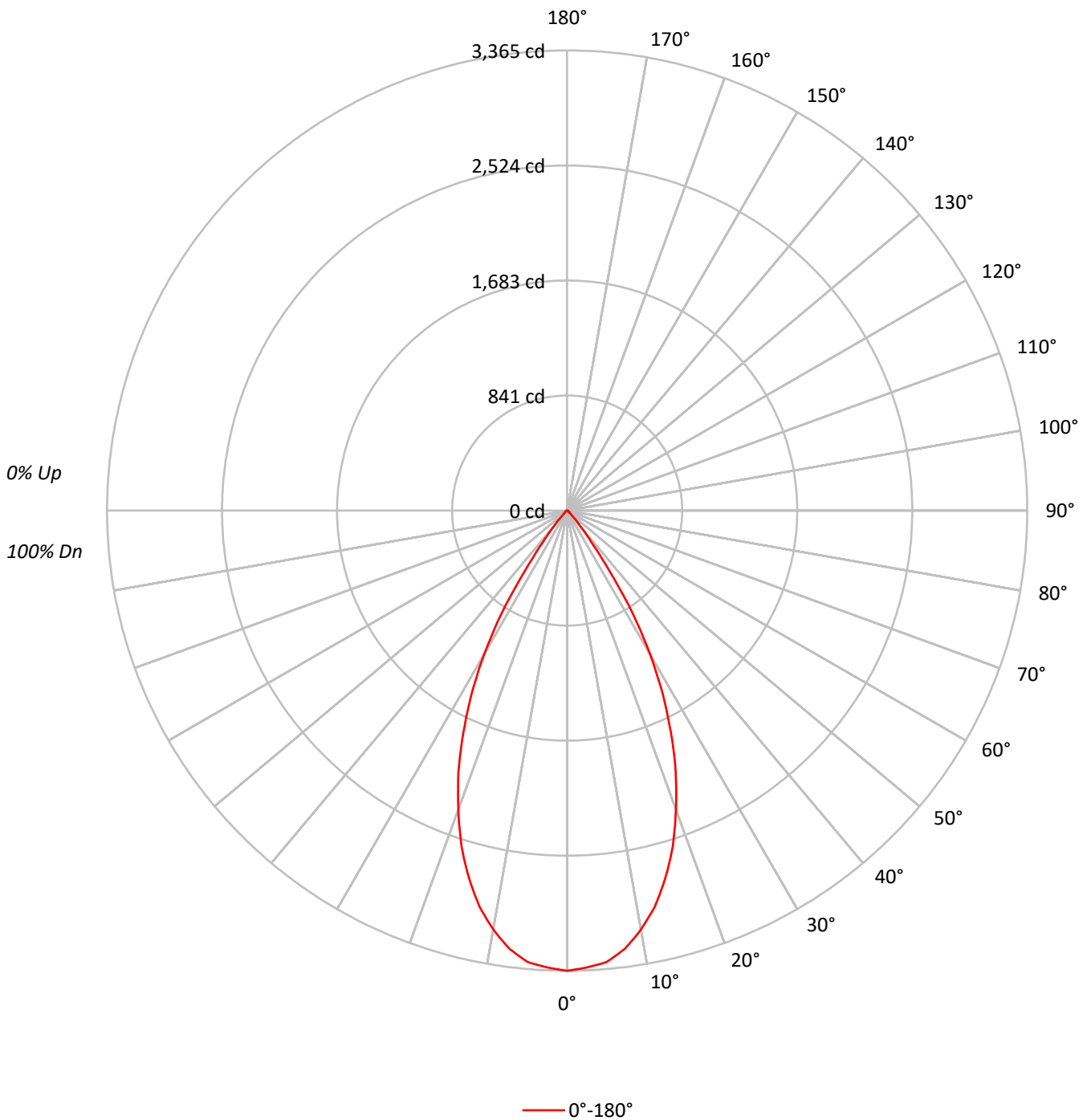
Input Watts (W): 27  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	240955
5°	238224
10°	226161
15°	205956
20°	177250
25°	142002
30°	100182
35°	46397
40°	15086
45°	4820
50°	2306
55°	2072
60°	1933
65°	1745
70°	1738
75°	2296
80°	2556
85°	4272



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	309.7	13.2
10°-20°	770.5	32.9
20°-30°	813.2	34.7
30°-40°	363.9	15.5
40°-50°	47.6	2.0
50°-60°	14.7	0.6
60°-70°	10.4	0.4
70°-80°	8.2	0.4
80°-90°	4.8	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°	1893.4	80.8
0°-40°	2257.3	96.3
0°-60°	2319.6	99.0
0°-90°	2343.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2343.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3365	
5°	3314	310
15°	2778	771
25°	1797	813
35°	531	364
45°	48	48
55°	17	15
65°	10	10
75°	8	8
85°	5	5
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	3365.2
2.5°	3343.4
5°	3314.4
7.5°	3232.7
10°	3110.6
12.5°	2964.7
15°	2778.4
17.5°	2571.5
20°	2326.2
22.5°	2076.8
25°	1797.4
27.5°	1514.9
30°	1211.7
32.5°	898.2
35°	530.8
37.5°	288.7
40°	161.4
42.5°	90.0
45°	47.6
47.5°	24.8
50°	20.7
52.5°	17.6
55°	16.6
57.5°	14.5
60°	13.5
62.5°	11.4
65°	10.3
67.5°	9.3
70°	8.3
72.5°	8.3
75°	8.3
77.5°	7.2
80°	6.2
82.5°	6.2
85°	5.2
87.5°	3.1
90°	0.0

(END OF REPORT)