

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: P366208

Luminaire Tested: **FLD6BX30D010-FEU6B35-8040-F6LBXVM1-WMH-BL89BV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366208  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-45)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX30D010-FEU6B35-8040-F6LBXVM1-WMH-BL89BV  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, WARM HAZE REFLECTOR, BOTTOM LENS ACRYLIC, CLEAR 0.125", 3000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2772.0 lumens  
Efficiency: N/A  
Efficacy: 102.7 lumens/watt  
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.85  
Luminous Opening: Circular (Dia: 0.71' x H: 0')  
CIE Type: Direct

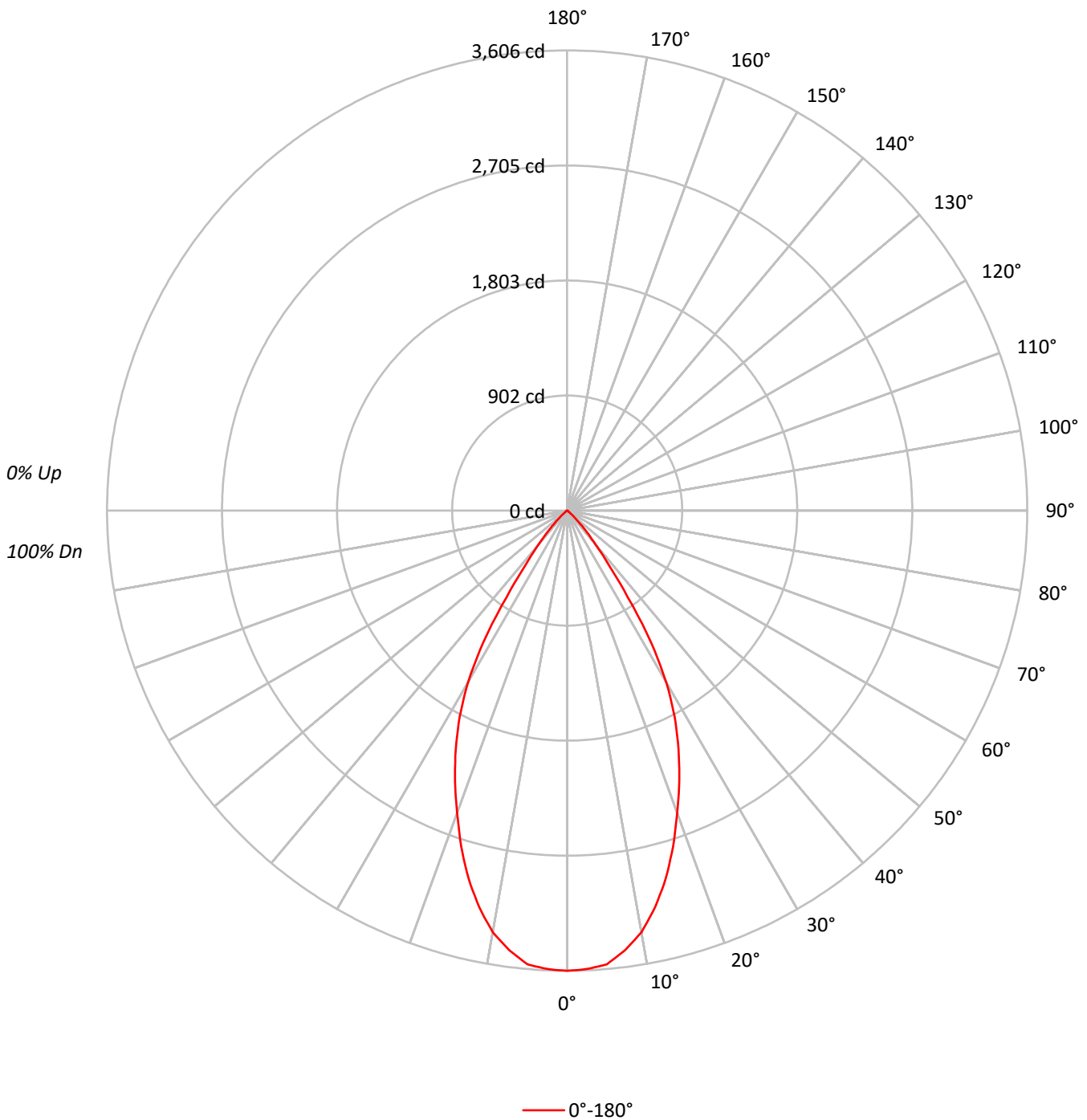
Input Watts (W): 27  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	108	104	100	97	106	102	99	96	99	96	93	96	94	91	93	91	90	88
3	103	97	92	89	101	96	91	88	93	89	86	91	88	85	88	86	84	82
4	98	91	86	82	97	90	85	81	88	84	80	86	82	79	84	81	78	77
5	94	86	80	76	92	85	79	76	83	78	75	81	77	74	80	76	74	72
6	89	81	75	71	88	80	74	71	78	74	70	77	73	70	76	72	69	68
7	85	76	70	66	84	75	70	66	74	69	66	73	69	65	72	68	65	64
8	81	72	66	62	80	71	66	62	70	65	62	69	65	62	68	64	61	60
9	77	68	62	59	76	68	62	58	67	62	58	66	61	58	65	61	58	57
10	74	65	59	55	73	64	59	55	63	58	55	63	58	55	62	58	55	53

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

	0°
0°	98507
5°	97858
10°	93045
15°	84432
20°	73246
25°	62264
30°	48999
35°	27604
40°	12398
45°	5153
50°	1547
55°	433
60°	279
65°	194
70°	160
75°	211
80°	157
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	333.3	12.0
10°-20°	828.7	29.9
20°-30°	938.4	33.9
30°-40°	538.0	19.4
40°-50°	116.9	4.2
50°-60°	11.5	0.4
60°-70°	3.3	0.1
70°-80°	1.7	0.1
80°-90°	0.1	0.0
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°	2100.4	75.8
0°-40°	2638.4	95.2
0°-60°	2766.8	99.8
0°-90°	2772.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2772.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3606	
5°	3569	333
15°	2986	829
25°	2066	938
35°	828	538
45°	133	117
55°	9	11
65°	3	3
75°	2	2
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	3606.3
2.5°	3596.2
5°	3568.9
7.5°	3474.9
10°	3354.6
12.5°	3182.8
15°	2985.7
17.5°	2759.3
20°	2519.8
22.5°	2295.4
25°	2065.9
27.5°	1823.4
30°	1553.5
32.5°	1224.0
35°	827.8
37.5°	523.6
40°	347.7
42.5°	222.4
45°	133.4
47.5°	72.8
50°	36.4
52.5°	15.2
55°	9.1
57.5°	7.1
60°	5.1
62.5°	4.0
65°	3.0
67.5°	3.0
70°	2.0
72.5°	2.0
75°	2.0
77.5°	1.0
80°	1.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)