

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: P366230

Luminaire Tested: **FLD6BX30D010-FEU6B35-8050-F6LBXVM1-WMH-BTR82**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366230  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-32)  
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-BTR82  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,  
BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.187", 3000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2223.0 lumens  
Efficiency: N/A  
Efficacy: 82.3 lumens/watt  
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.07  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

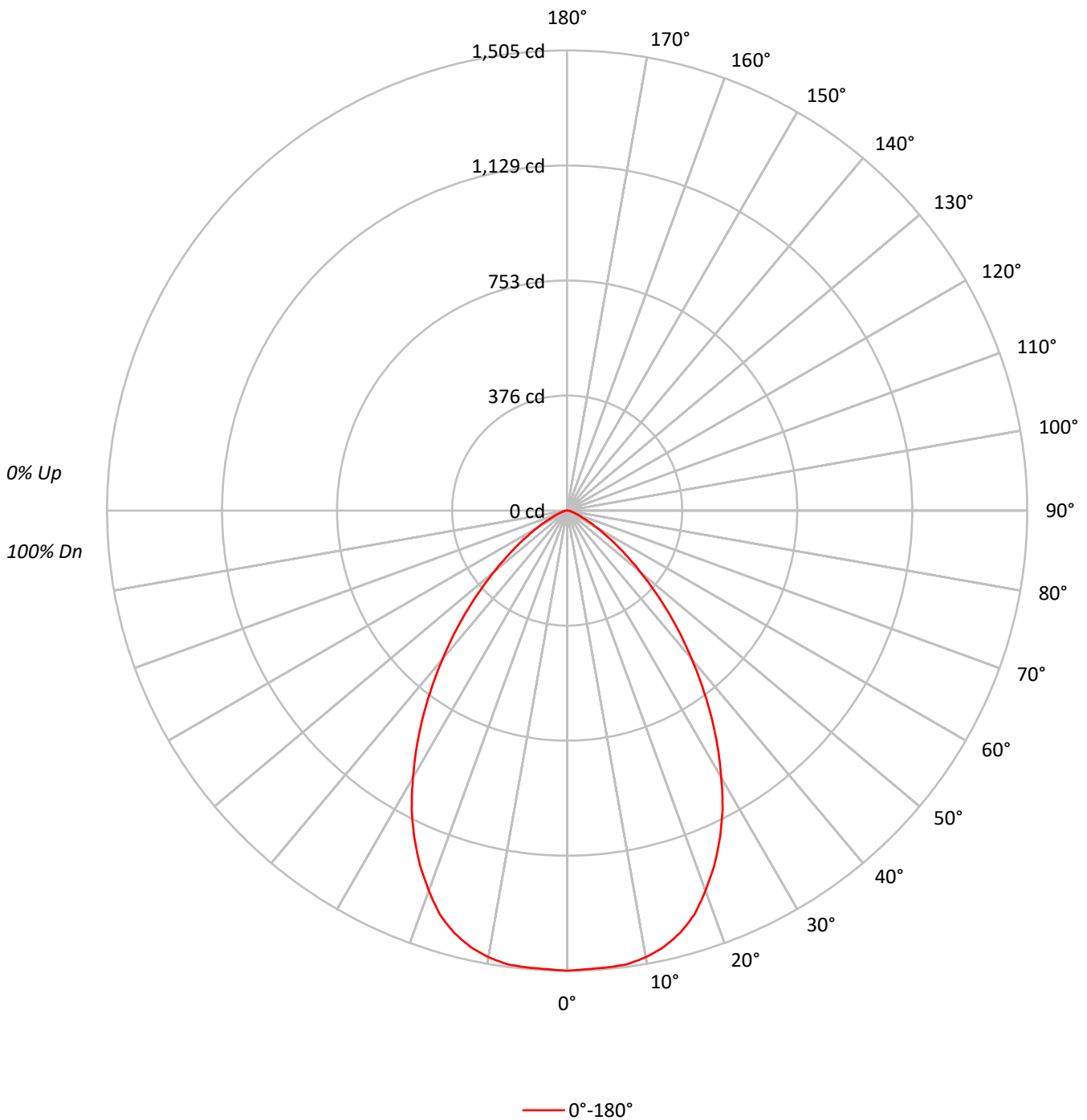
Input Watts (W): 27  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	112	109	106	103	110	106	104	101	102	100	98		99	97	95		95	94	92	91
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	85	83	81
3	98	90	84	79	96	89	83	78	86	81	77		83	79	76		81	78	75	73
4	92	82	76	70	90	81	75	70	79	73	69		77	72	68		75	71	67	66
5	86	75	68	63	84	74	68	63	73	67	62		71	66	62		69	65	61	59
6	80	69	62	57	79	69	62	57	67	61	56		65	60	56		64	59	56	54
7	75	64	57	52	74	63	57	52	62	56	51		61	55	51		60	55	51	49
8	71	60	52	47	69	59	52	47	58	52	47		57	51	47		55	50	47	45
9	67	55	48	44	66	55	48	44	54	48	43		53	47	43		52	47	43	41
10	63	52	45	40	62	51	45	40	50	44	40		49	44	40		49	44	40	38

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

	0°
0°	107768
5°	107813
10°	107853
15°	105973
20°	100809
25°	93398
30°	83365
35°	71755
40°	59213
45°	46853
50°	34821
55°	24555
60°	16311
65°	9996
70°	6511
75°	4869
80°	4288
85°	5094



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	142.8	6.4
10°-20°	400.2	18.0
20°-30°	540.3	24.3
30°-40°	511.2	23.0
40°-50°	358.3	16.1
50°-60°	180.3	8.1
60°-70°	63.7	2.9
70°-80°	19.9	0.9
80°-90°	6.2	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°	1083.3	48.7
0°-40°	1594.5	71.7
0°-60°	2133.2	96.0
0°-90°	2223.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2223.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1505	
5°	1500	143
15°	1430	400
25°	1182	540
35°	821	511
45°	463	358
55°	197	180
65°	59	64
75°	18	20
85°	6	6
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1505.1
2.5°	1501.0
5°	1500.0
7.5°	1496.9
10°	1483.4
12.5°	1461.7
15°	1429.6
17.5°	1385.1
20°	1323.0
22.5°	1256.7
25°	1182.2
27.5°	1101.4
30°	1008.3
32.5°	916.1
35°	820.9
37.5°	726.7
40°	633.5
42.5°	547.6
45°	462.7
47.5°	385.1
50°	312.6
52.5°	250.5
55°	196.7
57.5°	151.1
60°	113.9
62.5°	83.8
65°	59.0
67.5°	43.5
70°	31.1
72.5°	23.8
75°	17.6
77.5°	13.5
80°	10.4
82.5°	8.3
85°	6.2
87.5°	3.1
90°	0.0

(END OF REPORT)