

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: P364772

Luminaire Tested: **FLD6BX30D010-FEU6B35-8040-F6LBXVM1-LI-BTR82**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P364772  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-26)  
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-LI-BTR82  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.187", 3000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2207.0 lumens  
Efficiency: N/A  
Efficacy: 81.7 lumens/watt  
Spacing Criteria (0/90/45): 1.07 / 1.07 / 1.07  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

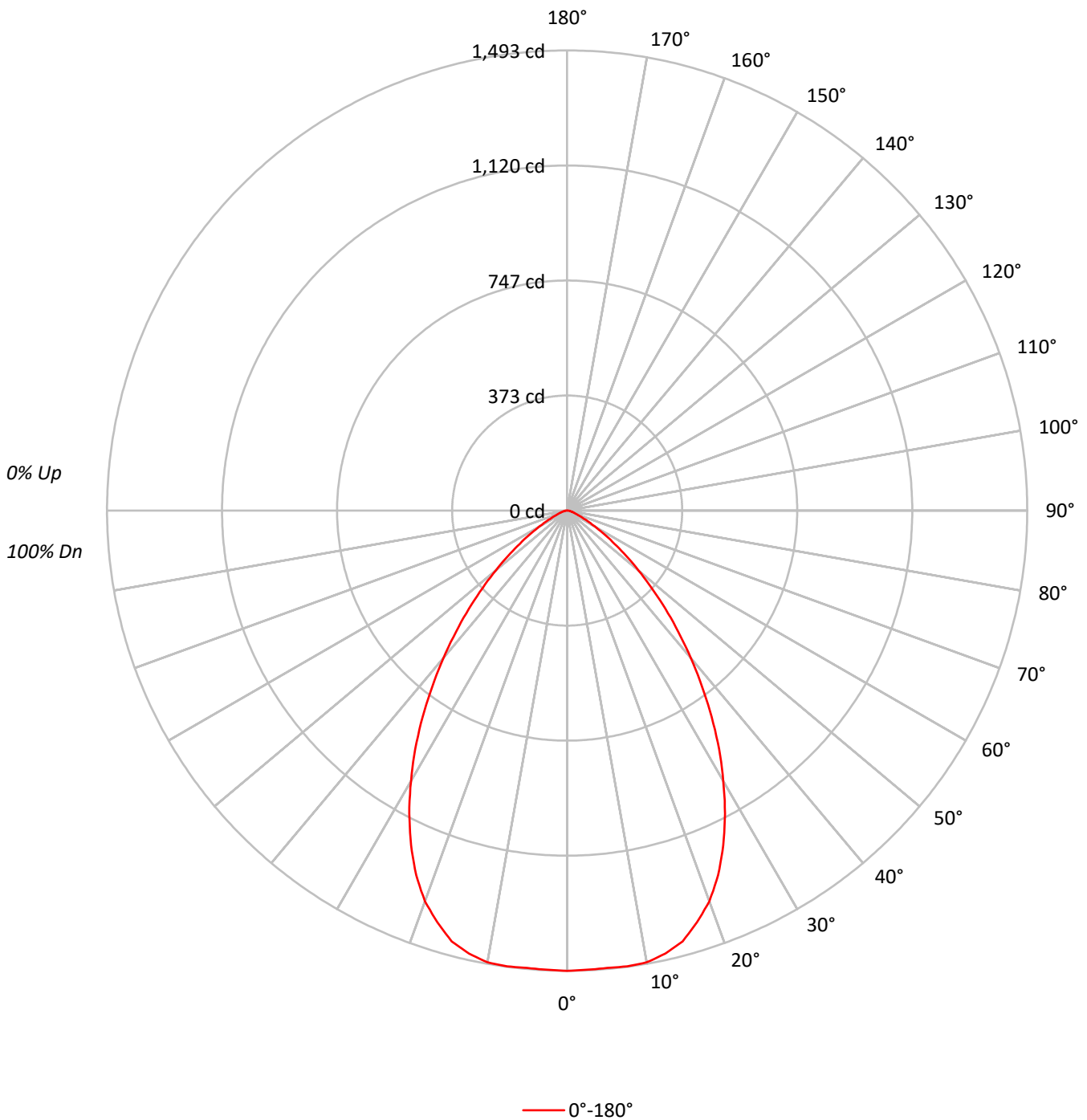
Input Watts (W): 27  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	107	104	101	102	100	98	99	97	95	95	94	93	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	79	86	81	77	84	80	76	81	78	75	73
4	92	83	76	71	90	81	75	70	79	74	69	77	72	69	75	71	68	66
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	69	65	61	60
6	81	70	63	57	79	69	62	57	67	61	57	66	60	56	64	60	56	54
7	76	65	57	52	74	64	57	52	62	56	52	61	56	52	60	55	51	50
8	71	60	53	48	70	59	53	48	58	52	48	57	51	47	56	51	47	46
9	67	56	49	44	66	55	49	44	54	48	44	53	48	44	52	47	43	42
10	63	52	45	41	62	52	45	41	51	45	41	50	44	40	49	44	40	39

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

	0°
0°	106930
5°	107044
10°	108209
15°	107255
20°	102782
25°	94670
30°	83787
35°	71449
40°	58362
45°	45628
50°	33652
55°	23331
60°	14908
65°	9081
70°	6134
75°	4758
80°	4165
85°	5833



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	142.2	6.4
10°-20°	404.6	18.3
20°-30°	547.3	24.8
30°-40°	509.1	23.1
40°-50°	348.8	15.8
50°-60°	171.9	7.8
60°-70°	57.5	2.6
70°-80°	19.0	0.9
80°-90°	6.6	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°	1094.1	49.6
0°-40°	1603.2	72.6
0°-60°	2123.9	96.2
0°-90°	2207.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2207.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1493	
5°	1489	142
15°	1447	405
25°	1198	547
35°	817	509
45°	451	349
55°	187	172
65°	54	57
75°	17	19
85°	7	7
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1493.4
2.5°	1491.3
5°	1489.3
7.5°	1491.3
10°	1488.3
12.5°	1472.1
15°	1446.9
17.5°	1400.4
20°	1348.9
22.5°	1280.2
25°	1198.3
27.5°	1109.4
30°	1013.4
32.5°	917.4
35°	817.4
37.5°	718.4
40°	624.4
42.5°	533.5
45°	450.6
47.5°	371.8
50°	302.1
52.5°	241.5
55°	186.9
57.5°	142.5
60°	104.1
62.5°	74.8
65°	53.6
67.5°	38.4
70°	29.3
72.5°	22.2
75°	17.2
77.5°	13.1
80°	10.1
82.5°	8.1
85°	7.1
87.5°	4.0
90°	0.0

(END OF REPORT)