

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: P364752

Luminaire Tested: **FLD6BX30D010-FEU6B35-8035-F6LBXVM1-LI-BTR80**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P364752  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-23)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX30D010-FEU6B35-8035-F6LBXVM1-LI-BTR80  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM ACRYLIC, PATTERN 12 0.125", 3000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2316.0 lumens  
Efficiency: N/A  
Efficacy: 85.8 lumens/watt  
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.87  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

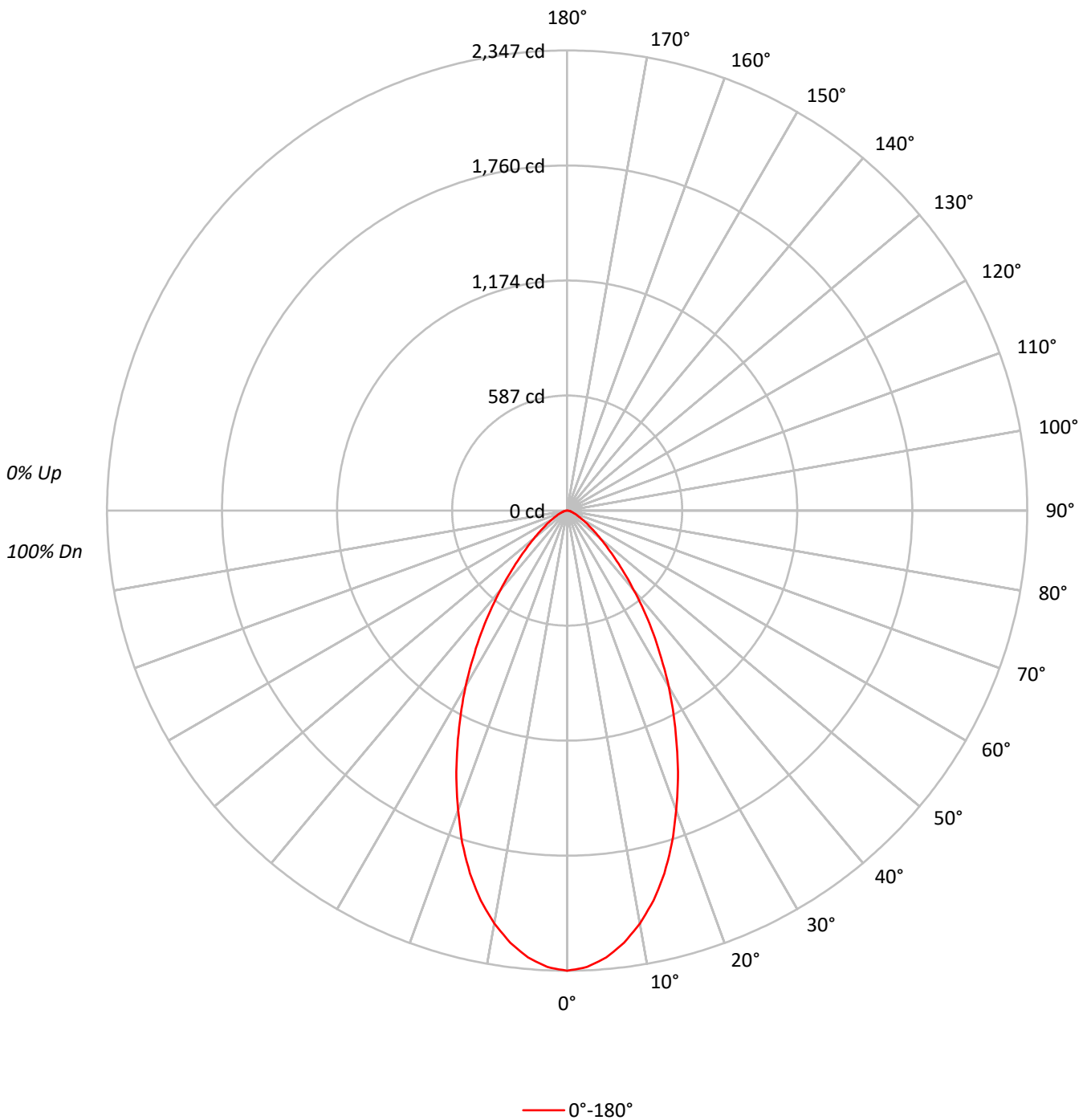
Input Watts (W): 27  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	113	109	106	104	110	107	105	102	103	101	99	99	98	96	96	95	93	91
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76
4	94	85	79	74	92	84	78	74	82	77	73	80	75	72	78	74	71	69
5	88	79	72	67	87	78	72	67	76	71	67	74	70	66	73	69	65	64
6	83	73	67	62	82	73	66	62	71	65	61	69	65	61	68	64	60	59
7	79	68	62	57	77	68	61	57	66	61	57	65	60	56	64	59	56	54
8	75	64	57	53	73	63	57	53	62	57	52	61	56	52	60	55	52	50
9	71	60	54	49	69	60	53	49	59	53	49	58	52	49	57	52	49	47
10	67	57	50	46	66	56	50	46	55	50	46	54	49	46	54	49	45	44

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

	0°
0°	168050
5°	164451
10°	155446
15°	141955
20°	123820
25°	104522
30°	85655
35°	66956
40°	49352
45°	34732
50°	24506
55°	17352
60°	12316
65°	9149
70°	7118
75°	5810
80°	5360
85°	5751



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	213.6	9.2
10°-20°	531.9	23.0
20°-30°	606.0	26.2
30°-40°	478.3	20.7
40°-50°	271.8	11.7
50°-60°	128.3	5.5
60°-70°	55.5	2.4
70°-80°	23.1	1.0
80°-90°	7.5	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°	1351.5	58.4
0°-40°	1829.8	79.0
0°-60°	2230.0	96.3
0°-90°	2316.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2316.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2347	
5°	2288	214
15°	1915	532
25°	1323	606
35°	766	478
45°	343	272
55°	139	128
65°	54	56
75°	21	23
85°	7	7
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2347
2.5°	2330
5°	2288
7.5°	2223
10°	2138
12.5°	2036
15°	1915
17.5°	1778
20°	1625
22.5°	1477
25°	1323
27.5°	1176
30°	1036
32.5°	894
35°	766
37.5°	643
40°	528
42.5°	430
45°	343
47.5°	274
50°	220
52.5°	175
55°	139
57.5°	110
60°	86
62.5°	68
65°	54
67.5°	43
70°	34
72.5°	27
75°	21
77.5°	16
80°	13
82.5°	10
85°	7
87.5°	4
90°	0

(END OF REPORT)