

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: P365441

Luminaire Tested: **FLD6BX30D010-FEU6B35-8027-F6LBXVM1-MW-BTR86**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365441  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX30D010-FEU6B35-8027-F6LBXVM1-MW-BTR86  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,  
BOTTOM TRIM POLYCARBONATE, CLEAR 0.250", 3000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1603.0 lumens  
Efficiency: N/A  
Efficacy: 59.4 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.83  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

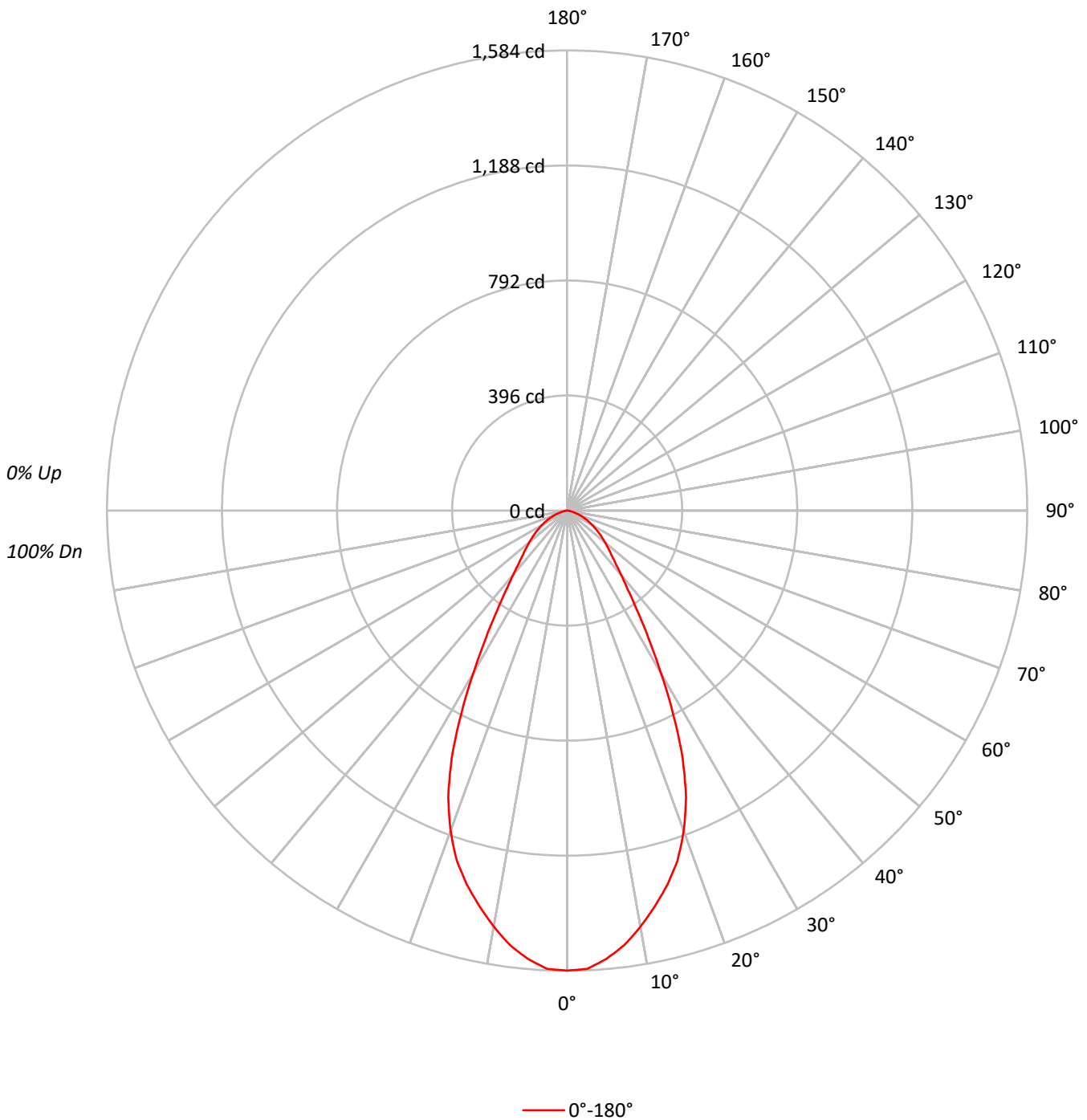
Input Watts (W): 27  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	103	100	98		99	97	95		95	94	93	91
2	105	99	94	90	103	98	93	89	94	91	87		91	88	85		88	86	84	82
3	99	91	85	80	97	90	84	80	87	82	78		84	80	77		82	79	76	74
4	93	84	77	72	91	83	77	72	80	75	71		78	74	70		76	72	69	68
5	87	78	71	66	86	77	70	65	75	69	65		73	68	64		71	67	64	62
6	82	72	65	60	81	71	65	60	70	64	60		68	63	59		67	62	59	57
7	78	67	60	56	76	66	60	55	65	59	55		64	59	55		63	58	54	53
8	74	63	56	51	72	62	56	51	61	55	51		60	55	51		59	54	51	49
9	70	59	52	48	69	59	52	48	58	52	48		57	51	48		56	51	47	46
10	66	56	49	45	65	55	49	45	54	49	45		53	48	45		53	48	44	43

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

	0°
0°	113389
5°	111328
10°	105722
15°	98820
20°	89425
25°	74264
30°	53286
35°	36572
40°	26919
45°	21751
50°	18914
55°	16628
60°	14378
65°	12232
70°	9630
75°	6750
80°	4247
85°	4601



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	144.9	9.0
10°-20°	372.0	23.2
20°-30°	421.9	26.3
30°-40°	270.4	16.9
40°-50°	169.5	10.6
50°-60°	119.5	7.5
60°-70°	71.8	4.5
70°-80°	27.4	1.7
80°-90°	5.5	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°	938.8	58.6
0°-40°	1209.2	75.4
0°-60°	1498.3	93.5
0°-90°	1603.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1603.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1584	
5°	1549	145
15°	1333	372
25°	940	422
35°	418	270
45°	215	170
55°	133	120
65°	72	72
75°	24	27
85°	6	5
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1583.6
2.5°	1578.9
5°	1548.9
7.5°	1508.5
10°	1454.1
12.5°	1395.0
15°	1333.1
17.5°	1262.7
20°	1173.6
22.5°	1069.5
25°	940.0
27.5°	790.9
30°	644.5
32.5°	520.7
35°	418.4
37.5°	344.3
40°	288.0
42.5°	246.7
45°	214.8
47.5°	191.4
50°	169.8
52.5°	151.0
55°	133.2
57.5°	116.3
60°	100.4
62.5°	86.3
65°	72.2
67.5°	59.1
70°	46.0
72.5°	34.7
75°	24.4
77.5°	16.9
80°	10.3
82.5°	6.6
85°	5.6
87.5°	2.8
90°	0.0

(END OF REPORT)