

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: P365474

Luminaire Tested: **FLD6BX30D010-FEU6B35-8035-F6LBXVM1-MW-BTR82**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365474  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-20)  
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-MW-BTR82  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,  
BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.187", 3000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1614.0 lumens  
Efficiency: N/A  
Efficacy: 59.8 lumens/watt  
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.09  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

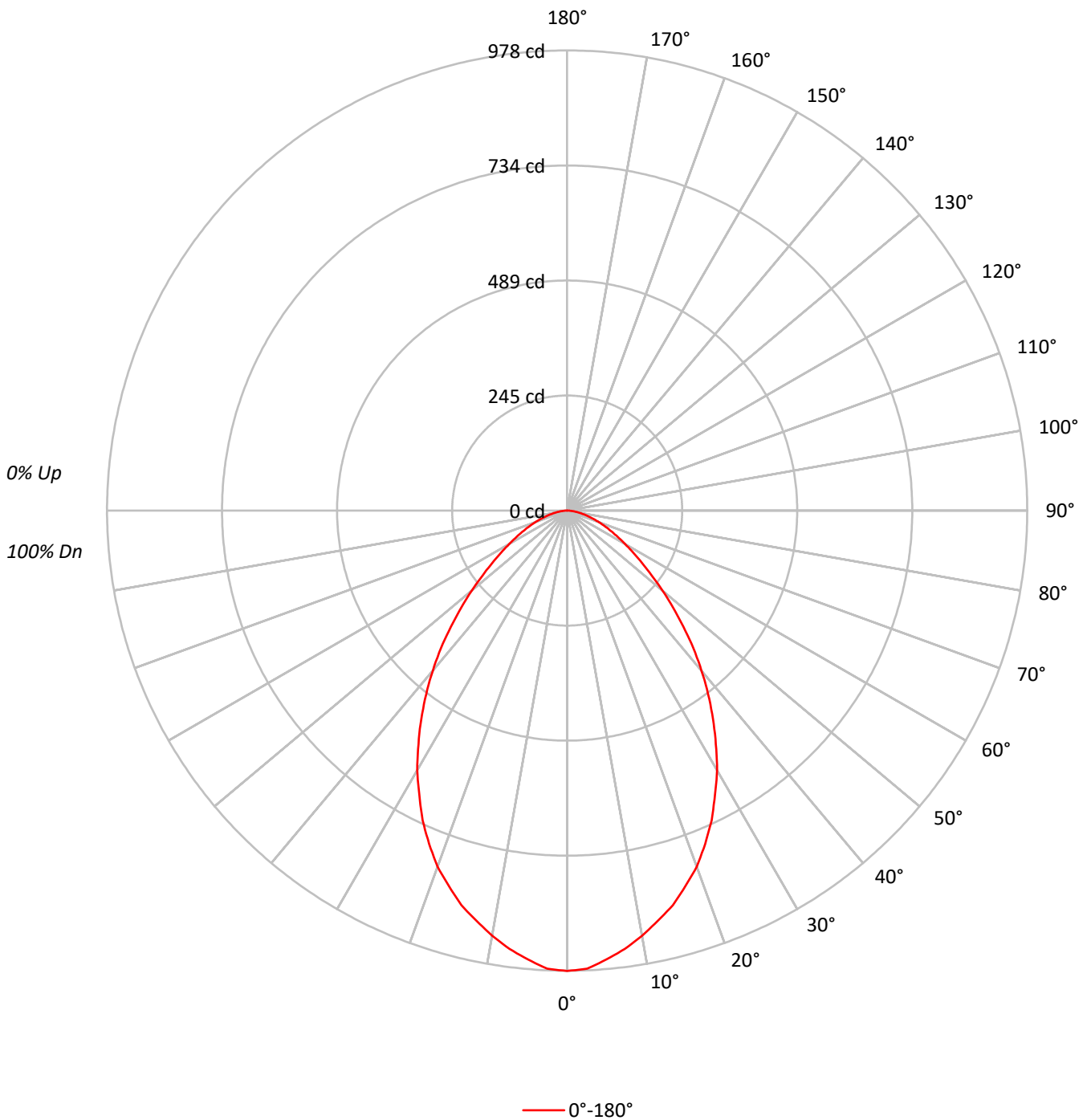
Input Watts (W): 27  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	111	107	104	100	108	105	102	99	101	98	96		97	95	93		93	92	90	88
2	103	96	90	86	100	94	89	85	91	86	83		88	84	81		85	82	79	77
3	95	86	79	74	93	85	78	73	82	77	72		79	75	71		77	73	70	68
4	88	78	71	65	86	77	70	64	74	68	64		72	67	63		70	66	62	60
5	82	71	63	58	80	70	63	57	68	62	57		66	61	56		64	59	56	54
6	77	65	57	52	75	64	57	51	62	56	51		61	55	50		59	54	50	48
7	72	60	52	46	70	59	52	46	57	51	46		56	50	46		55	50	45	44
8	67	55	47	42	66	54	47	42	53	47	42		52	46	42		51	46	41	40
9	63	51	44	39	62	51	43	39	49	43	38		48	42	38		47	42	38	36
10	60	48	40	36	58	47	40	36	46	40	35		45	39	35		44	39	35	34

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

	0°
0°	70062
5°	68821
10°	66708
15°	64372
20°	61369
25°	57388
30°	52691
35°	47227
40°	41519
45°	35360
50°	29530
55°	24230
60°	20349
65°	17298
70°	15073
75°	12726
80°	10308
85°	8215



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	90.2	5.6
10°-20°	243.5	15.1
20°-30°	332.6	20.6
30°-40°	337.1	20.9
40°-50°	270.4	16.8
50°-60°	176.1	10.9
60°-70°	102.9	6.4
70°-80°	49.4	3.1
80°-90°	11.8	0.7
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°	666.3	41.3
0°-40°	1003.4	62.2
0°-60°	1449.9	89.8
0°-90°	1614.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1614.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	978	
5°	958	90
15°	868	243
25°	726	333
35°	540	337
45°	349	270
55°	194	176
65°	102	103
75°	46	49
85°	10	12
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	978.5
2.5°	974.5
5°	957.5
7.5°	939.5
10°	917.5
12.5°	892.4
15°	868.4
17.5°	836.4
20°	805.4
22.5°	766.4
25°	726.4
27.5°	680.3
30°	637.3
32.5°	588.3
35°	540.3
37.5°	492.2
40°	444.2
42.5°	397.2
45°	349.2
47.5°	305.2
50°	265.1
52.5°	226.1
55°	194.1
57.5°	166.1
60°	142.1
62.5°	121.1
65°	102.1
67.5°	86.0
70°	72.0
72.5°	58.0
75°	46.0
77.5°	35.0
80°	25.0
82.5°	17.0
85°	10.0
87.5°	4.0
90°	0.0

(END OF REPORT)