

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: P365457

Luminaire Tested: **FLD6BX30D010-FEU6B35-8030-F6LBXVM1-MW-BTR84**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365457  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX30D010-FEU6B35-8030-F6LBXVM1-MW-BTR84  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,  
BOTTOM TRIM POLYCARBONATE, CLEAR 0.125", 3000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1742.0 lumens  
Efficiency: N/A  
Efficacy: 64.5 lumens/watt  
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.84  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

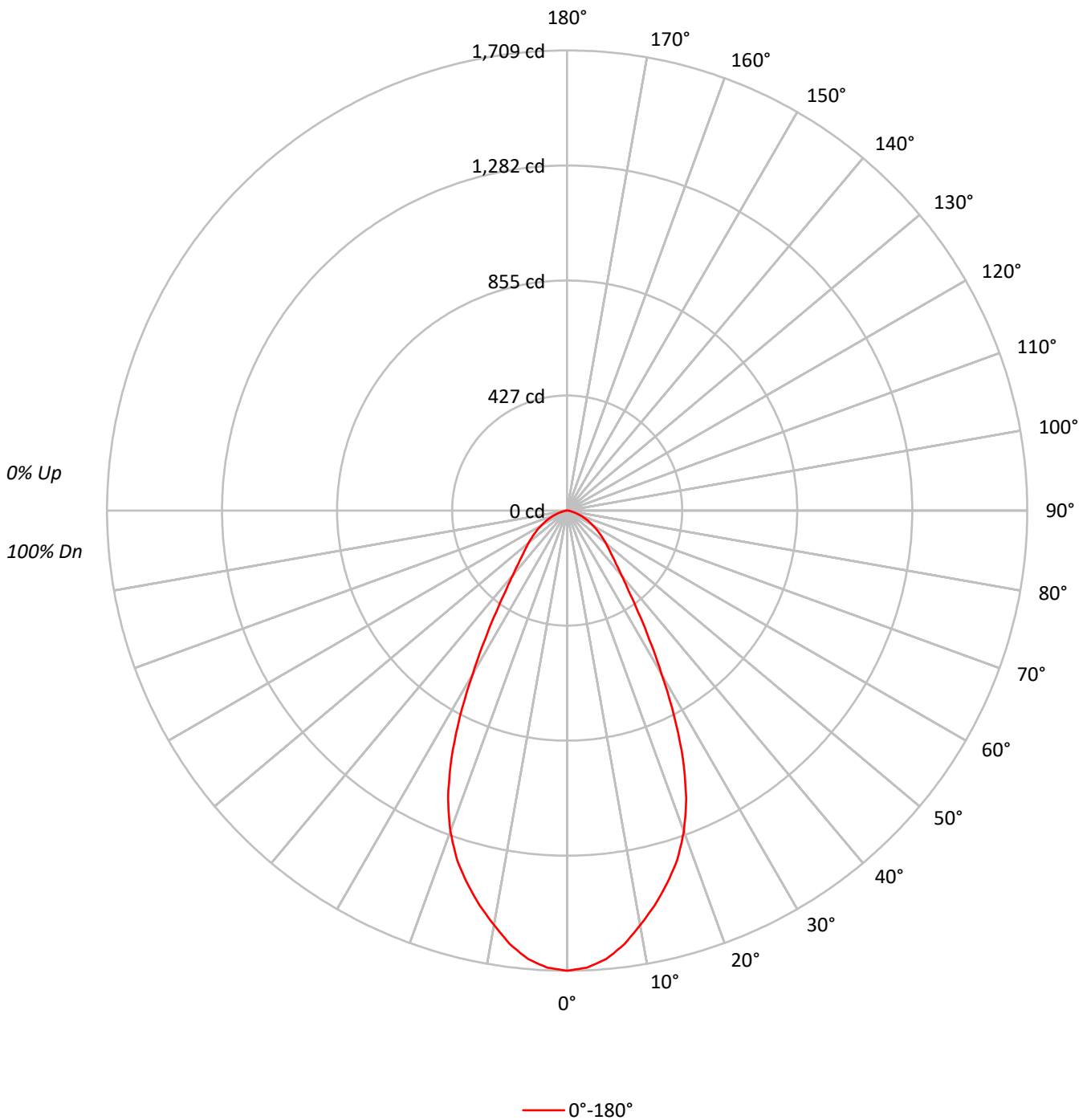
Input Watts (W): 27  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	86	83	82
3	99	91	85	80	96	89	84	80	87	82	78		84	80	77		82	79	76	74
4	93	84	77	72	91	82	76	72	80	75	71		78	74	70		76	72	69	67
5	87	77	71	65	85	76	70	65	74	69	65		73	68	64		71	67	63	62
6	82	72	65	60	81	71	64	60	69	64	59		68	63	59		67	62	58	57
7	78	67	60	55	76	66	60	55	65	59	55		64	58	54		62	58	54	53
8	73	63	56	51	72	62	56	51	61	55	51		60	55	51		59	54	50	49
9	70	59	52	48	68	58	52	48	57	52	47		56	51	47		55	51	47	46
10	66	55	49	45	65	55	49	45	54	48	44		53	48	44		52	48	44	43

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

	0°
0°	122353
5°	120140
10°	113618
15°	106247
20°	96587
25°	80394
30°	58032
35°	40104
40°	29321
45°	23827
50°	20752
55°	18238
60°	15867
65°	13452
70°	10886
75°	7608
80°	4866
85°	5669



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	156.0	9.0
10°-20°	400.5	23.0
20°-30°	457.4	26.3
30°-40°	295.0	16.9
40°-50°	185.3	10.6
50°-60°	131.4	7.5
60°-70°	79.2	4.5
70°-80°	30.6	1.8
80°-90°	6.7	0.4
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°	1013.9	58.2
0°-40°	1308.9	75.1
0°-60°	1625.6	93.3
0°-90°	1742.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1742.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1709	
5°	1672	156
15°	1433	400
25°	1018	457
35°	459	295
45°	235	185
55°	146	131
65°	79	79
75°	28	31
85°	7	7
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1708.8
2.5°	1699.0
5°	1671.5
7.5°	1624.5
10°	1562.7
12.5°	1501.9
15°	1433.3
17.5°	1359.8
20°	1267.6
22.5°	1155.8
25°	1017.6
27.5°	861.7
30°	701.9
32.5°	567.6
35°	458.8
37.5°	374.5
40°	313.7
42.5°	269.6
45°	235.3
47.5°	208.8
50°	186.3
52.5°	165.7
55°	146.1
57.5°	128.4
60°	110.8
62.5°	95.1
65°	79.4
67.5°	64.7
70°	52.0
72.5°	38.2
75°	27.5
77.5°	18.6
80°	11.8
82.5°	7.8
85°	6.9
87.5°	3.9
90°	0.0

(END OF REPORT)