

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: P364766

Luminaire Tested: **FLD6BX30D010-FEU6B35-8040-F6LBXVM1-LI-BL87**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P364766  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-43)  
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-BL87  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, SPECULAR CLEAR REFLECTOR,  
BOTTOM LENS POLYCARBONATE, CLEAR 0.375", 3000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2531.1 lumens  
Efficiency: N/A  
Efficacy: 93.7 lumens/watt  
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.82  
Luminous Opening: Circular (Dia: 0.71' x H: 0')  
CIE Type: Direct

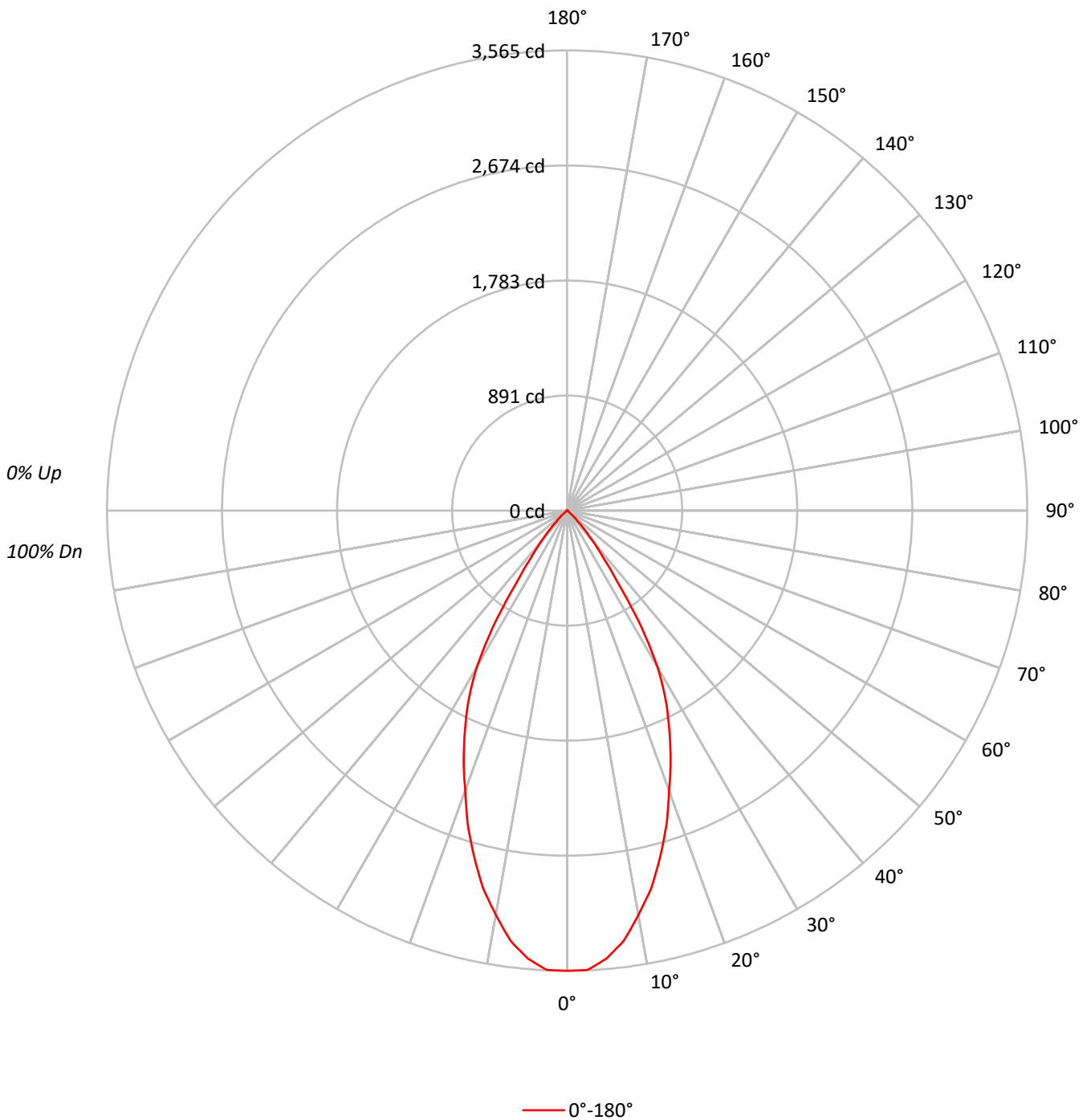
Input Watts (W): 27  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98	97	96	94
2	109	104	100	97	106	102	99	96	99	96	94		96	94	92		93	91	90	88
3	103	97	93	89	101	96	92	88	93	90	87		91	88	85		89	86	84	83
4	99	91	86	82	97	90	85	82	88	84	81		86	83	80		84	81	79	77
5	94	86	80	76	92	85	80	76	83	79	75		82	78	75		80	77	74	73
6	90	81	75	71	88	80	75	71	79	74	71		77	73	70		76	73	70	68
7	85	77	71	67	84	76	71	67	75	70	66		74	69	66		72	69	66	64
8	82	72	67	63	80	72	67	63	71	66	62		70	65	62		69	65	62	61
9	78	69	63	59	77	68	63	59	67	62	59		66	62	59		66	62	59	57
10	74	65	60	56	73	65	60	56	64	59	56		63	59	56		63	58	56	54

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

	0°
0°	97379
5°	95527
10°	88216
15°	78612
20°	67133
25°	56381
30°	44261
35°	22935
40°	10954
45°	4311
50°	1135
55°	319
60°	208
65°	187
70°	152
75°	201
80°	157
85°	313



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	323.1	12.8
10°-20°	772.6	30.5
20°-30°	853.0	33.7
30°-40°	469.4	18.5
40°-50°	99.2	3.9
50°-60°	8.4	0.3
60°-70°	2.6	0.1
70°-80°	1.9	0.1
80°-90°	1.0	0.0
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°	1948.6	77.0
0°-40°	2418.0	95.5
0°-60°	2525.6	99.8
0°-90°	2531.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2531.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3565	
5°	3484	323
15°	2780	773
25°	1871	853
35°	688	469
45°	112	99
55°	7	8
65°	3	3
75°	2	2
85°	1	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3565.0
2.5°	3563.1
5°	3483.9
7.5°	3361.8
10°	3180.5
12.5°	3000.2
15°	2779.9
17.5°	2555.7
20°	2309.5
22.5°	2094.0
25°	1870.7
27.5°	1655.1
30°	1403.3
32.5°	1071.3
35°	687.8
37.5°	463.6
40°	307.2
42.5°	191.7
45°	111.6
47.5°	57.2
50°	26.7
52.5°	11.4
55°	6.7
57.5°	4.8
60°	3.8
62.5°	2.9
65°	2.9
67.5°	1.9
70°	1.9
72.5°	2.9
75°	1.9
77.5°	1.0
80°	1.0
82.5°	1.0
85°	1.0
87.5°	1.0
90°	0.0

(END OF REPORT)