

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: P365434

Luminaire Tested: **FLD6BX30D010-FEU6B35-8027-F6LBXVM1-MW-BL89BV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365434  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-34)  
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-BL89BV  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS ACRYLIC, CLEAR 0.125", 3000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2272.0 lumens  
Efficiency: N/A  
Efficacy: 84.1 lumens/watt  
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.95  
Luminous Opening: Circular (Dia: 0.71' x H: 0')  
CIE Type: Direct

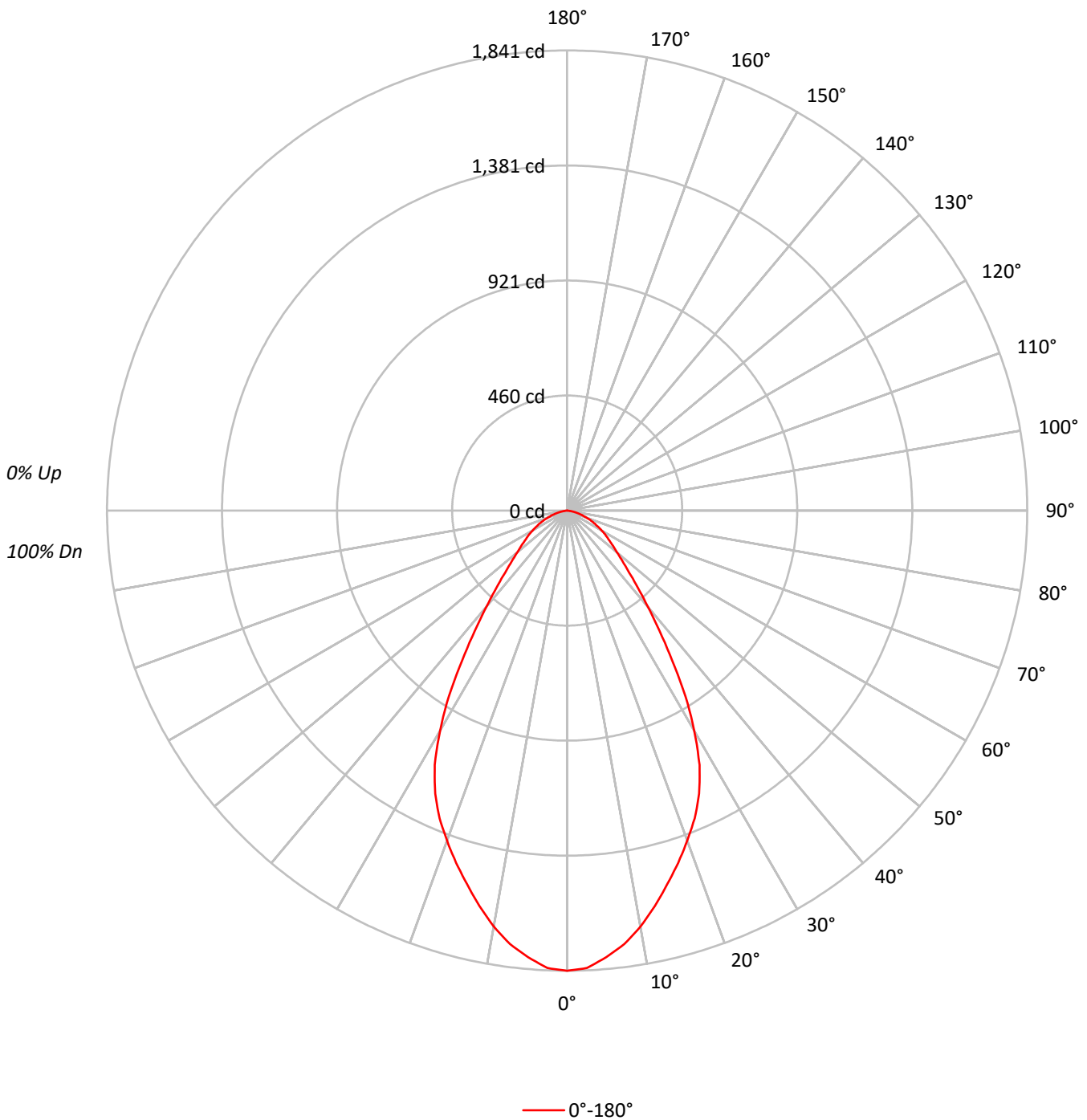
Input Watts (W): 27  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	112	108	105	102	109	106	103	101	102	100	97	98	96	95	95	93	92	90
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	77	74	72
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	74	70	67	65
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	59
6	80	69	62	57	78	68	62	57	67	61	56	65	60	56	64	59	55	54
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45
9	67	56	49	44	66	55	49	44	54	48	44	53	48	44	52	47	44	42
10	64	52	46	41	62	52	45	41	51	45	41	50	45	41	49	44	41	39

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

	0°
0°	50293
5°	49174
10°	46880
15°	43764
20°	40844
25°	37656
30°	32071
35°	24396
40°	17861
45°	13586
50°	11040
55°	9691
60°	8714
65°	7698
70°	6517
75°	5150
80°	3539
85°	1473



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	168.1	7.4
10°-20°	434.7	19.1
20°-30°	566.5	24.9
30°-40°	461.2	20.3
40°-50°	278.1	12.2
50°-60°	184.4	8.1
60°-70°	118.3	5.2
70°-80°	52.7	2.3
80°-90°	7.9	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°	1169.3	51.5
0°-40°	1630.5	71.8
0°-60°	2093.0	92.1
0°-90°	2272.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2272.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1841	
5°	1793	168
15°	1548	435
25°	1249	567
35°	732	461
45°	352	278
55°	204	184
65°	119	118
75°	49	53
85°	5	8
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1841.2
2.5°	1831.8
5°	1793.4
7.5°	1749.3
10°	1690.2
12.5°	1619.9
15°	1547.6
17.5°	1477.3
20°	1405.1
22.5°	1332.8
25°	1249.4
27.5°	1147.1
30°	1016.8
32.5°	880.7
35°	731.6
37.5°	606.9
40°	500.9
42.5°	417.4
45°	351.7
47.5°	300.1
50°	259.8
52.5°	230.7
55°	203.5
57.5°	182.0
60°	159.5
62.5°	138.8
65°	119.1
67.5°	100.4
70°	81.6
72.5°	64.7
75°	48.8
77.5°	34.7
80°	22.5
82.5°	12.2
85°	4.7
87.5°	0.9
90°	0.0

(END OF REPORT)