

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: P364654

Luminaire Tested: **FLD6BX20D010-FEU6B12-8030-F6LBXVM1-LI**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P364654  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX20D010-FEU6B12-8030-F6LBXVM1-LI  
Description: VANDAL RESISTANT OPEN, SPECULAR CLEAR REFLECTOR, 2000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1971.0 lumens  
Efficiency: N/A  
Efficacy: 97.1 lumens/watt  
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.81  
Luminous Opening: Circular (Dia: 0.71' x H: 0')  
CIE Type: Direct

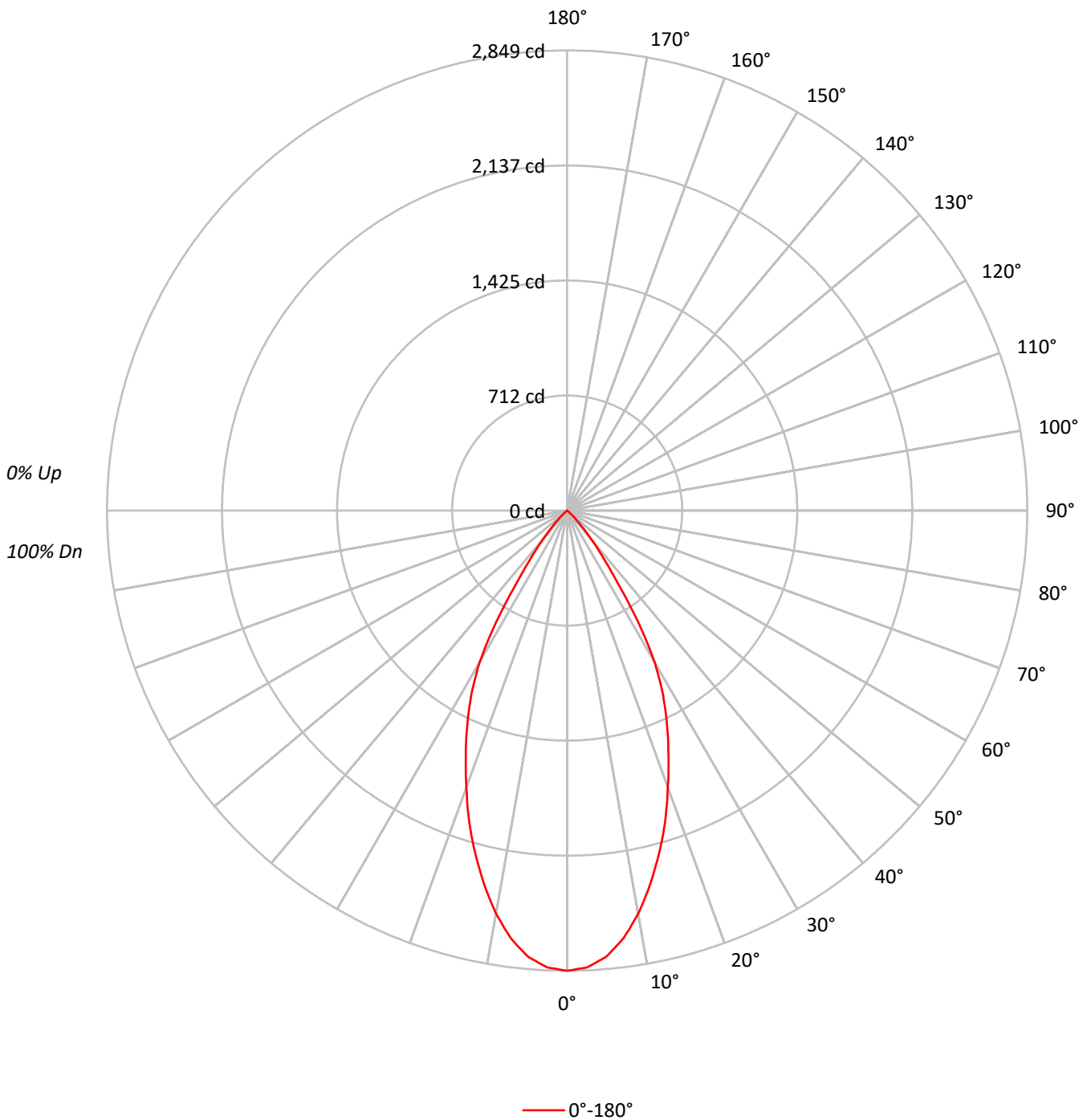
Input Watts (W): 20.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	92	90	88
3	104	98	93	89	102	96	92	88	94	90	87		91	88	86		89	87	84	83
4	99	92	87	83	97	91	86	82	88	84	81		87	83	80		85	82	79	78
5	94	86	81	77	93	85	80	76	84	79	76		82	78	75		81	77	75	73
6	90	81	76	72	88	81	75	72	79	75	71		78	74	71		77	73	70	69
7	86	77	71	67	84	76	71	67	75	70	67		74	70	66		73	69	66	65
8	82	73	67	63	81	72	67	63	71	66	63		70	66	63		69	65	62	61
9	78	69	64	60	77	69	63	60	68	63	60		67	62	59		66	62	59	58
10	75	66	60	57	74	65	60	56	64	60	56		64	59	56		63	59	56	55

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

	0°
0°	77829
5°	76043
10°	70301
15°	62165
20°	52994
25°	44081
30°	34190
35°	17760
40°	8248
45°	3117
50°	684
55°	95
60°	38
65°	45
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	257.0	13.0
10°-20°	611.1	31.0
20°-30°	666.0	33.8
30°-40°	360.1	18.3
40°-50°	72.7	3.7
50°-60°	3.4	0.2
60°-70°	0.6	0.0
70°-80°	0.0	0.0
80°-90°	0.0	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°	1534.1	77.8
0°-40°	1894.2	96.1
0°-60°	1970.4	100.0
0°-90°	1971.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1971.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2849	
5°	2773	257
15°	2198	611
25°	1463	666
35°	533	360
45°	81	73
55°	2	3
65°	1	1
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2849.3
2.5°	2830.4
5°	2773.3
7.5°	2670.4
10°	2534.6
12.5°	2372.5
15°	2198.3
17.5°	2018.1
20°	1823.1
22.5°	1639.5
25°	1462.6
27.5°	1285.1
30°	1084.0
32.5°	815.7
35°	532.6
37.5°	355.7
40°	231.3
42.5°	142.6
45°	80.7
47.5°	40.3
50°	16.1
52.5°	4.0
55°	2.0
57.5°	1.3
60°	0.7
62.5°	0.7
65°	0.7
67.5°	0.7
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)