

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: P366112

Luminaire Tested: **FLD6BX20D010-FEU6B12-8035-F6LBXVM1-WMH**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366112  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-11)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX20D010-FEU6B12-8035-F6LBXVM1-WMH  
Description: VANDAL RESISTANT OPEN, WARM HAZE REFLECTOR, 2000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1962.0 lumens  
Efficiency: N/A  
Efficacy: 96.7 lumens/watt  
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.84  
Luminous Opening: Circular (Dia: 0.71' x H: 0')  
CIE Type: Direct

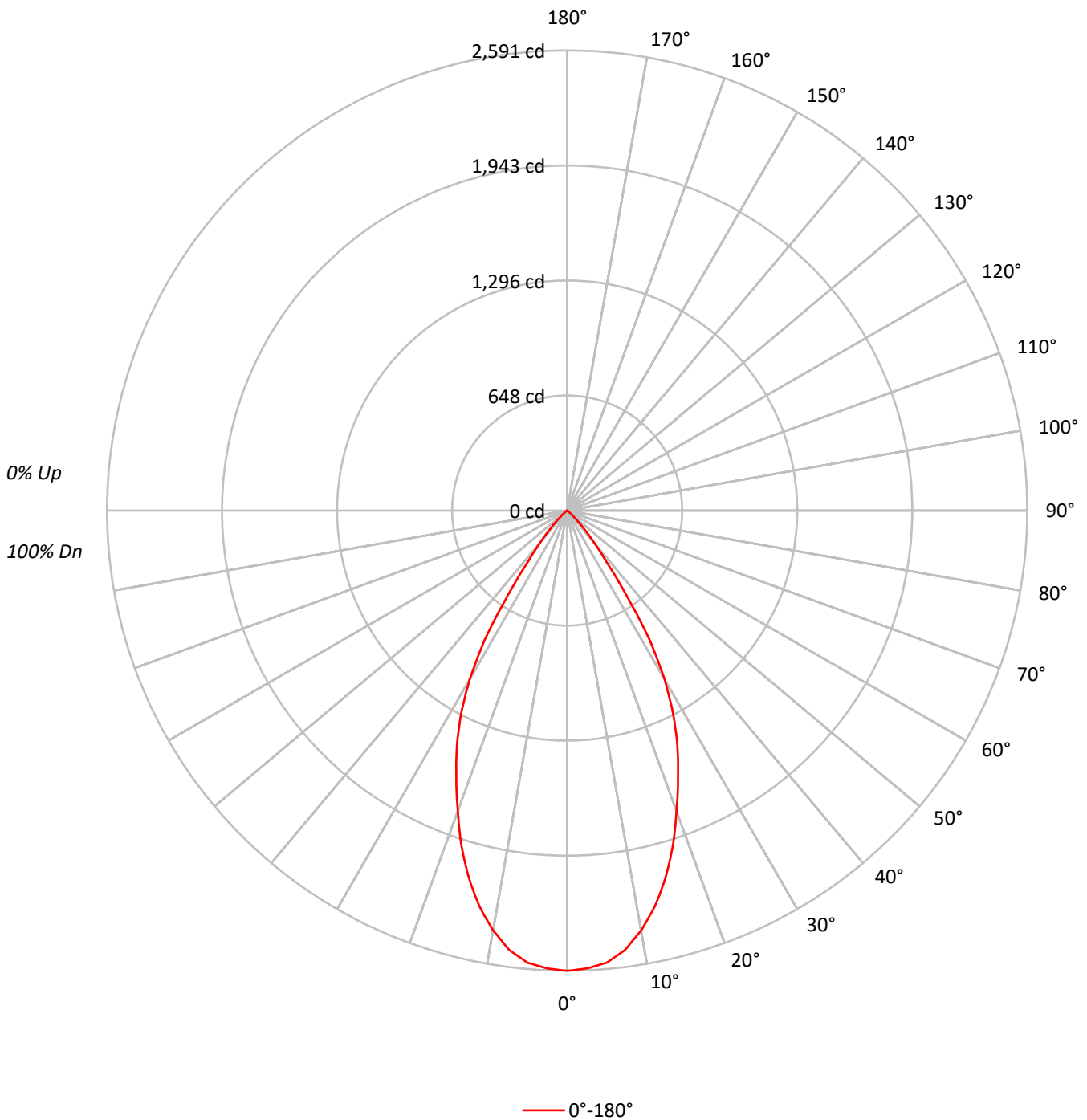
Input Watts (W): 20.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	91	90	88
3	103	97	93	89	101	96	92	88	93	90	87	91	88	85	89	86	84	82
4	98	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	72
6	89	81	75	71	88	80	75	71	79	74	70	77	73	70	76	72	69	68
7	85	76	71	67	84	76	70	66	74	70	66	73	69	66	72	68	65	64
8	81	72	66	63	80	72	66	62	71	66	62	70	65	62	69	65	62	60
9	78	68	63	59	77	68	62	59	67	62	59	66	62	58	65	61	58	57
10	74	65	59	56	73	64	59	56	64	59	55	63	58	55	62	58	55	54

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

	0°
0°	70782
5°	70074
10°	66562
15°	60511
20°	52349
25°	44332
30°	34600
35°	19264
40°	8440
45°	3392
50°	935
55°	162
60°	115
65°	90
70°	56
75°	74
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	238.9	12.2
10°-20°	593.7	30.3
20°-30°	666.9	34.0
30°-40°	377.4	19.2
40°-50°	77.8	4.0
50°-60°	5.6	0.3
60°-70°	1.2	0.1
70°-80°	0.5	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°	1499.6	76.4
0°-40°	1876.9	95.7
0°-60°	1960.4	99.9
0°-90°	1962.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1962.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2591	
5°	2556	239
15°	2140	594
25°	1471	667
35°	578	377
45°	88	78
55°	3	6
65°	1	1
75°	1	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2591.3
2.5°	2580.3
5°	2555.6
7.5°	2494.5
10°	2399.8
12.5°	2281.8
15°	2139.8
17.5°	1978.6
20°	1800.9
22.5°	1630.8
25°	1470.9
27.5°	1293.9
30°	1097.0
32.5°	867.9
35°	577.7
37.5°	362.2
40°	236.7
42.5°	149.6
45°	87.8
47.5°	46.7
50°	22.0
52.5°	7.5
55°	3.4
57.5°	2.7
60°	2.1
62.5°	1.4
65°	1.4
67.5°	0.7
70°	0.7
72.5°	0.7
75°	0.7
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)