

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: P366082

Luminaire Tested: **FLD6BX20D010-FEU6B12-8030-F6LBXVM1-WMH-BL89BV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366082  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-45)  
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-WMH-BL89BV  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, WARM HAZE REFLECTOR, BOTTOM LENS ACRYLIC, CLEAR 0.125", 2000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1845.0 lumens  
Efficiency: N/A  
Efficacy: 90.9 lumens/watt  
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.85  
Luminous Opening: Circular (Dia: 0.71' x H: 0')  
CIE Type: Direct

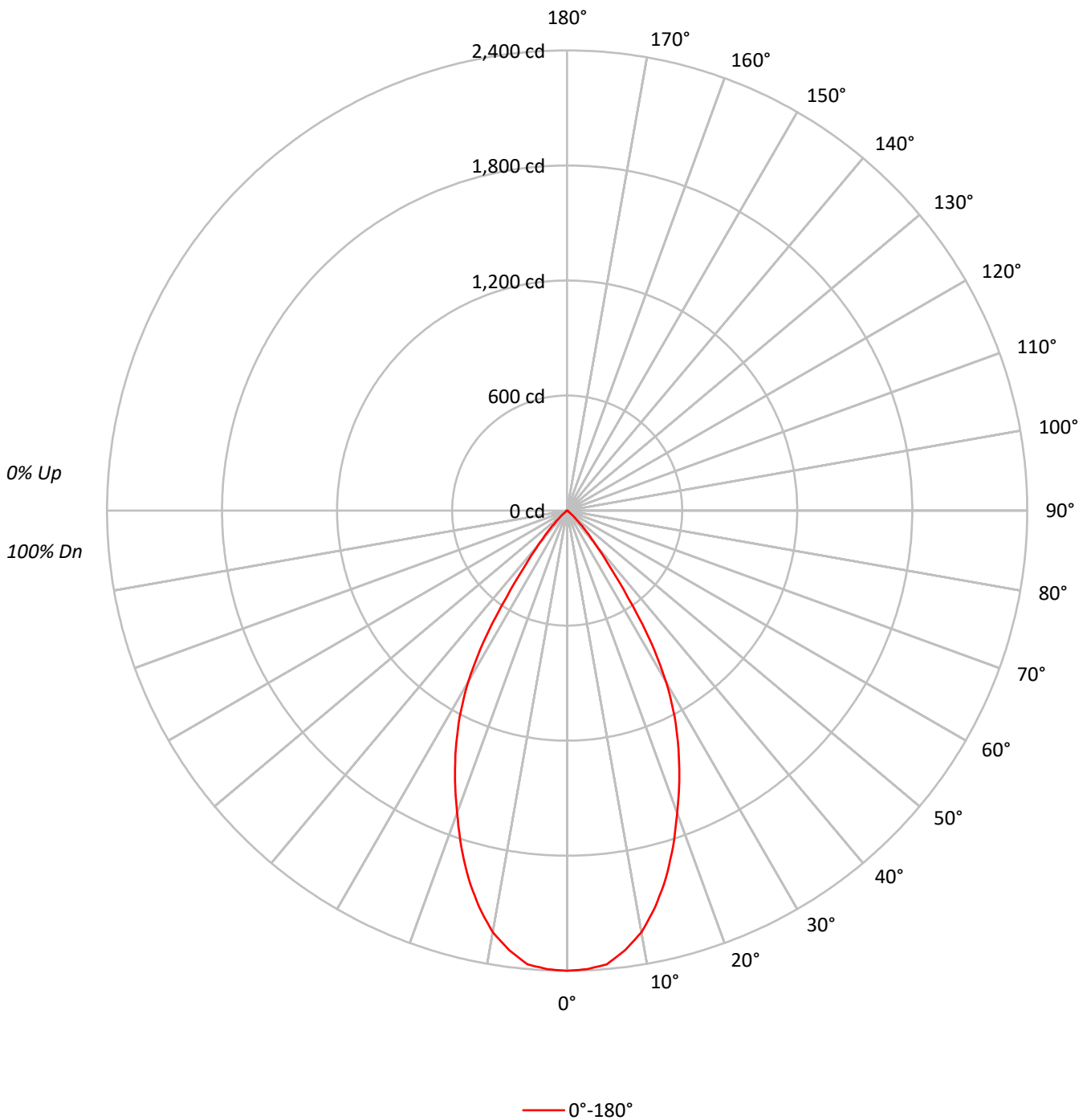
Input Watts (W): 20.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	108	104	100	97	106	102	99	96	99	96	93	96	94	91	93	91	90	88
3	103	97	92	89	101	96	91	88	93	89	86	91	88	85	88	86	84	82
4	98	91	86	82	97	90	85	81	88	84	80	86	82	79	84	81	78	77
5	94	86	80	76	92	85	79	76	83	78	75	81	77	74	80	76	74	72
6	89	81	75	71	88	80	74	71	78	74	70	77	73	70	76	72	69	68
7	85	76	70	66	84	75	70	66	74	69	66	73	69	65	72	68	65	64
8	81	72	66	62	80	71	66	62	70	65	62	69	65	62	68	64	61	60
9	77	68	62	59	76	68	62	58	67	62	58	66	61	58	65	61	58	57
10	74	65	59	55	73	64	59	55	63	58	55	63	58	55	62	58	55	53

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

	0°
0°	65565
5°	65133
10°	61930
15°	56196
20°	48750
25°	41444
30°	32613
35°	18374
40°	8251
45°	3430
50°	1028
55°	290
60°	186
65°	129
70°	104
75°	137
80°	110
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	221.8	12.0
10°-20°	551.6	29.9
20°-30°	624.6	33.9
30°-40°	358.1	19.4
40°-50°	77.8	4.2
50°-60°	7.6	0.4
60°-70°	2.2	0.1
70°-80°	1.1	0.1
80°-90°	0.1	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°	1398.0	75.8
0°-40°	1756.1	95.2
0°-60°	1841.5	99.8
0°-90°	1845.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1845.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2400	
5°	2375	222
15°	1987	552
25°	1375	625
35°	551	358
45°	89	78
55°	6	8
65°	2	2
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2400.3
2.5°	2393.6
5°	2375.4
7.5°	2312.8
10°	2232.8
12.5°	2118.4
15°	1987.2
17.5°	1836.6
20°	1677.1
22.5°	1527.8
25°	1375.1
27.5°	1213.6
30°	1034.0
32.5°	814.7
35°	551.0
37.5°	348.5
40°	231.4
42.5°	148.0
45°	88.8
47.5°	48.4
50°	24.2
52.5°	10.1
55°	6.1
57.5°	4.7
60°	3.4
62.5°	2.7
65°	2.0
67.5°	2.0
70°	1.3
72.5°	1.3
75°	1.3
77.5°	0.7
80°	0.7
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)