

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: P366119

Luminaire Tested: **FLD6BX20D010-FEU6B12-8040-F6LBXVM1-WMH-BL89BW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366119  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-46)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX20D010-FEU6B12-8040-F6LBXVM1-WMH-BL89BW  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, WARM HAZE REFLECTOR, BOTTOM LENS ACRYLIC OPAL SMOOTH, CLEAR 0.125", 2000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1399.0 lumens  
Efficiency: N/A  
Efficacy: 68.9 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.36  
Luminous Opening: Circular (Dia: 0.71' x H: 0')  
CIE Type: Direct

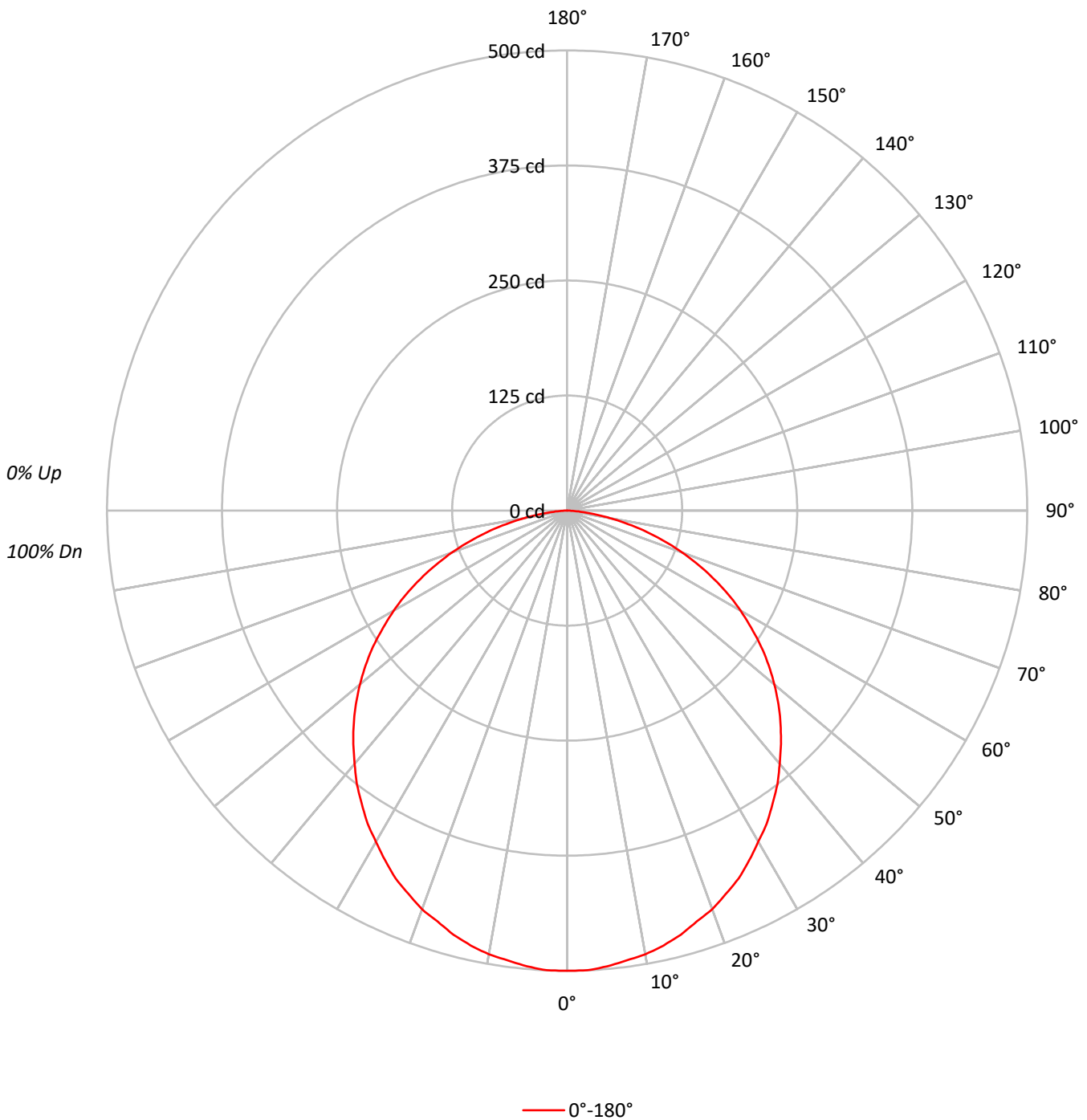
Input Watts (W): 20.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	109	104	100	96	106	102	98	95	98	94	92		94	91	89		90	88	86	84
2	99	91	84	78	96	89	83	77	85	80	76		82	78	74		79	75	72	70
3	90	80	72	65	88	78	71	64	75	69	63		72	67	62		70	65	61	59
4	83	71	62	55	80	69	61	55	67	60	54		64	58	53		62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	47		58	51	46		56	50	46	43
6	70	57	48	41	68	56	47	41	54	46	41		52	45	40		51	45	40	38
7	65	51	43	36	63	51	42	36	49	41	36		48	41	36		46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32		44	37	32		42	36	32	30
9	56	43	35	29	55	42	35	29	41	34	29		40	34	29		39	33	29	27
10	53	40	32	26	52	39	32	26	38	31	26		37	31	26		36	30	26	24

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

	0°
0°	13658
5°	13633
10°	13580
15°	13492
20°	13403
25°	13291
30°	13102
35°	12972
40°	12808
45°	12671
50°	12494
55°	12253
60°	11893
65°	11382
70°	10630
75°	9446
80°	7519
85°	4576



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	47.2	3.4
10°-20°	134.5	9.6
20°-30°	202.9	14.5
30°-40°	243.5	17.4
40°-50°	252.9	18.1
50°-60°	229.5	16.4
60°-70°	174.1	12.4
70°-80°	94.6	6.8
80°-90°	19.7	1.4
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°	384.6	27.5
0°-40°	628.1	44.9
0°-60°	1110.6	79.4
0°-90°	1399.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1399.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	500	
5°	497	47
15°	477	135
25°	441	203
35°	389	244
45°	328	253
55°	257	230
65°	176	174
75°	90	95
85°	15	20
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	500.0
2.5°	500.0
5°	497.2
7.5°	493.0
10°	489.6
12.5°	484.0
15°	477.1
17.5°	468.1
20°	461.1
22.5°	450.7
25°	441.0
27.5°	428.5
30°	415.4
32.5°	403.6
35°	389.0
37.5°	375.2
40°	359.2
42.5°	343.9
45°	328.0
47.5°	311.4
50°	294.0
52.5°	276.0
55°	257.3
57.5°	237.2
60°	217.7
62.5°	197.6
65°	176.1
67.5°	154.6
70°	133.1
72.5°	111.0
75°	89.5
77.5°	68.0
80°	47.8
82.5°	29.8
85°	14.6
87.5°	4.2
90°	0.0

(END OF REPORT)