

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: P366081

Luminaire Tested: **FLD6BX20D010-FEU6B12-8030-F6LBXVM1-WMH-BL89AM**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366081  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-48)  
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-BL89AM  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, WARM HAZE REFLECTOR, BOTTOM LENS POLYCARBONATE, OPAL SMOOTH 0.125", 2000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 751.0 lumens  
Efficiency: N/A  
Efficacy: 37.0 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.38  
Luminous Opening: Circular (Dia: 0.71' x H: 0')  
CIE Type: Direct

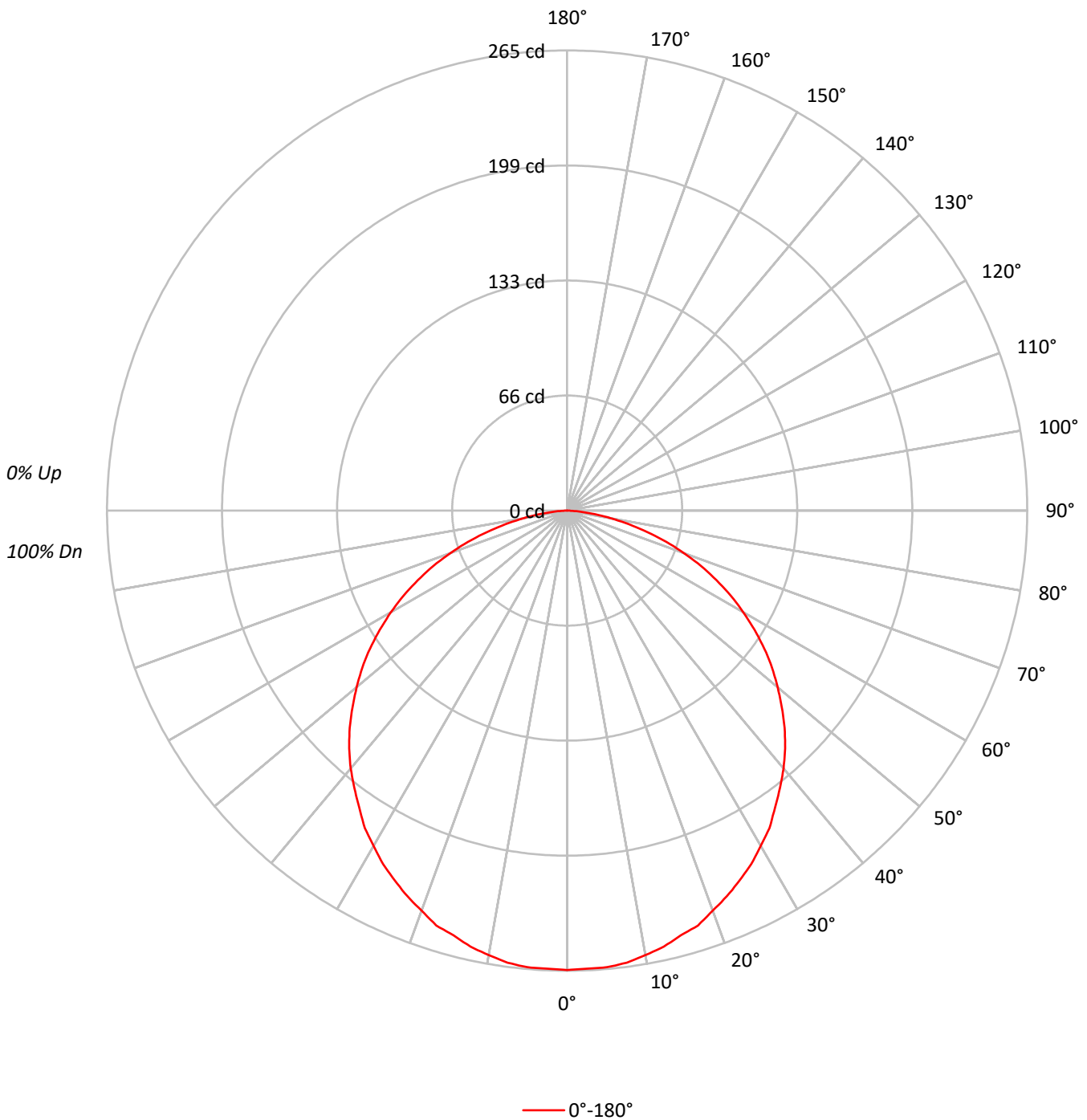
Input Watts (W): 20.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	75	82	78	74	79	75	72	70
3	90	80	71	65	88	78	70	64	75	69	63	72	67	62	70	65	61	59
4	83	70	62	55	80	69	61	55	67	59	54	64	58	53	62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	46	58	51	46	56	50	45	43
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	51	45	40	38
7	65	51	42	36	63	50	42	36	49	41	36	47	41	36	46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	32	30
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	29	27
10	53	40	32	26	52	39	31	26	38	31	26	37	31	26	36	30	26	24

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

	0°
0°	7228
5°	7239
10°	7209
15°	7160
20°	7125
25°	7083
30°	7030
35°	6959
40°	6914
45°	6841
50°	6723
55°	6605
60°	6403
65°	6134
70°	5702
75°	5045
80°	4027
85°	2319



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	25.1	3.3
10°-20°	71.6	9.5
20°-30°	108.4	14.4
30°-40°	130.8	17.4
40°-50°	136.4	18.2
50°-60°	123.7	16.5
60°-70°	93.8	12.5
70°-80°	50.8	6.8
80°-90°	10.4	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°	205.0	27.3
0°-40°	335.8	44.7
0°-60°	596.0	79.4
0°-90°	751.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	751.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	265	
5°	264	25
15°	253	72
25°	235	108
35°	209	131
45°	177	136
55°	139	124
65°	95	94
75°	48	51
85°	7	10
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	264.6
2.5°	264.0
5°	264.0
7.5°	262.6
10°	259.9
12.5°	257.2
15°	253.2
17.5°	250.5
20°	245.1
22.5°	240.4
25°	235.0
27.5°	229.6
30°	222.9
32.5°	216.8
35°	208.7
37.5°	201.3
40°	193.9
42.5°	185.8
45°	177.1
47.5°	167.7
50°	158.2
52.5°	148.8
55°	138.7
57.5°	127.9
60°	117.2
62.5°	106.4
65°	94.9
67.5°	83.5
70°	71.4
72.5°	59.9
75°	47.8
77.5°	36.4
80°	25.6
82.5°	16.2
85°	7.4
87.5°	2.0
90°	0.0

(END OF REPORT)