

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: P365415

Luminaire Tested: **FLD6BX20D010-FEU6B12-8050-F6LBXVM1-MW-BL89AM**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365415  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-40)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX20D010-FEU6B12-8050-F6LBXVM1-MW-BL89AM  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, OPAL SMOOTH 0.125", 2000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 721.0 lumens  
Efficiency: N/A  
Efficacy: 35.5 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37  
Luminous Opening: Circular (Dia: 0.71' x H: 0')  
CIE Type: Direct

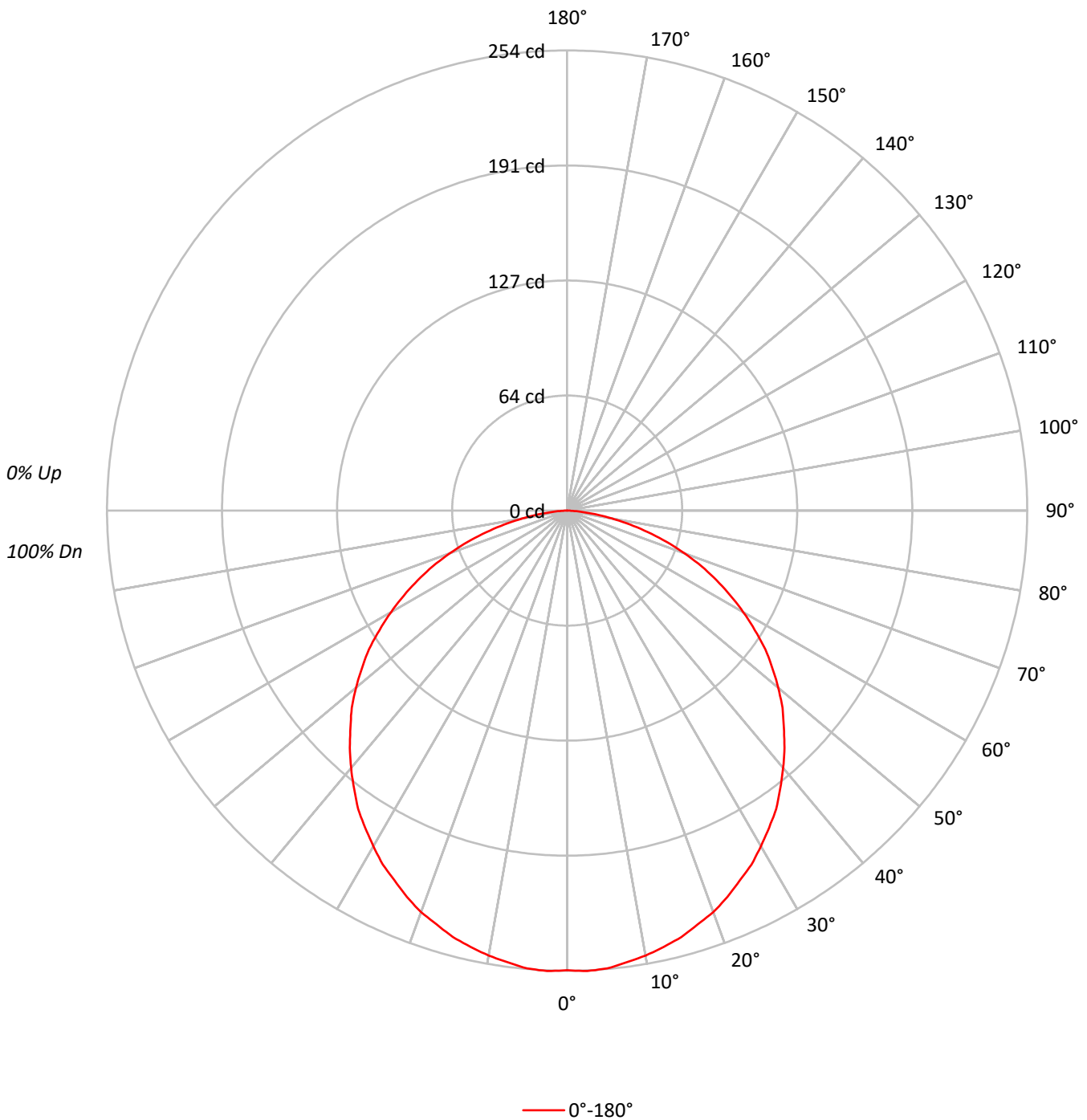
Input Watts (W): 20.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	82	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°	6930
5°	6956
10°	6918
15°	6892
20°	6857
25°	6790
30°	6747
35°	6706
40°	6614
45°	6532
50°	6463
55°	6362
60°	6135
65°	5882
70°	5503
75°	4876
80°	3917
85°	2225



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	24.1	3.3
10°-20°	68.7	9.5
20°-30°	104.0	14.4
30°-40°	125.5	17.4
40°-50°	130.7	18.1
50°-60°	118.9	16.5
60°-70°	89.9	12.5
70°-80°	49.1	6.8
80°-90°	10.1	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°	196.8	27.3
0°-40°	322.3	44.7
0°-60°	571.9	79.3
0°-90°	721.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	721.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	254	
5°	254	24
15°	244	69
25°	225	104
35°	201	126
45°	169	131
55°	134	119
65°	91	90
75°	46	49
85°	7	10
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	253.7
2.5°	254.4
5°	253.7
7.5°	251.5
10°	249.4
12.5°	246.6
15°	243.7
17.5°	239.5
20°	235.9
22.5°	230.9
25°	225.3
27.5°	220.3
30°	213.9
32.5°	207.5
35°	201.1
37.5°	193.3
40°	185.5
42.5°	177.6
45°	169.1
47.5°	161.3
50°	152.1
52.5°	142.8
55°	133.6
57.5°	122.9
60°	112.3
62.5°	101.6
65°	91.0
67.5°	80.3
70°	68.9
72.5°	57.6
75°	46.2
77.5°	35.5
80°	24.9
82.5°	15.6
85°	7.1
87.5°	2.1
90°	0.0

(END OF REPORT)