

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: P365349

Luminaire Tested: **FLD6BX20D010-FEU6B12-8027-F6LBXVM1-MW-BTR84**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365349  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX20D010-FEU6B12-8027-F6LBXVM1-MW-BTR84  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,  
BOTTOM TRIM POLYCARBONATE, CLEAR 0.125", 2000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1143.0 lumens  
Efficiency: N/A  
Efficacy: 56.3 lumens/watt  
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.84  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

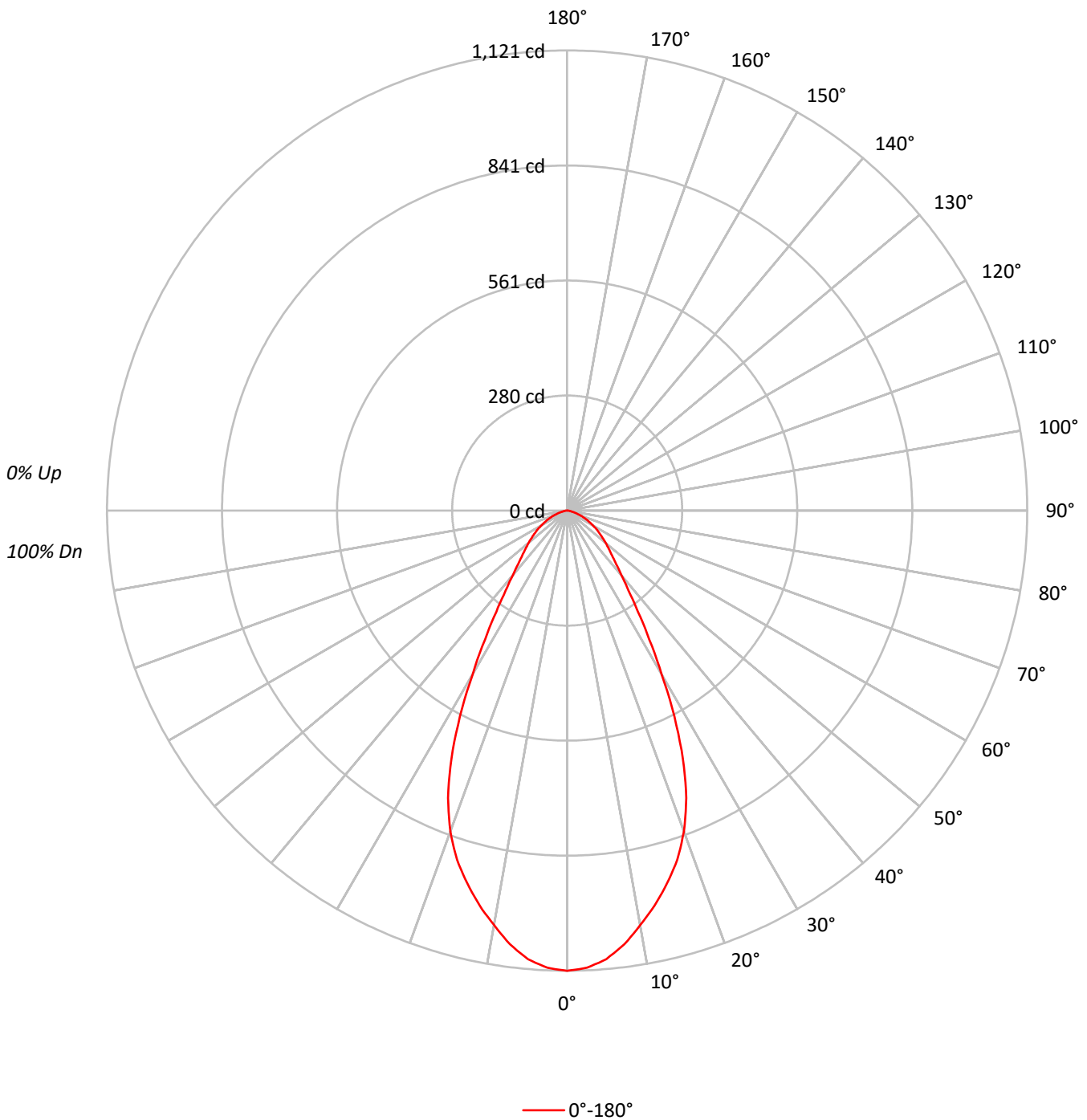
Input Watts (W): 20.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	112	109	106	103	110	107	104	101	102	100	98		99	97	95		95	94	93	91
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	86	84	82
3	99	91	85	80	96	89	84	80	87	82	78		84	80	77		82	79	76	74
4	93	84	77	72	91	82	76	72	80	75	71		78	74	70		76	72	69	67
5	87	77	71	65	85	76	70	65	74	69	65		73	68	64		71	67	63	62
6	82	72	65	60	81	71	64	60	69	64	59		68	63	59		67	62	58	57
7	78	67	60	55	76	66	60	55	65	59	55		64	58	54		62	58	54	53
8	73	63	56	51	72	62	56	51	61	55	51		60	55	51		59	54	50	49
9	70	59	52	48	68	58	52	48	57	52	47		56	51	47		55	51	47	46
10	66	55	49	45	65	55	49	45	54	48	44		53	48	44		52	48	44	43

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

	0°
0°	80280
5°	78833
10°	74553
15°	69710
20°	63373
25°	52751
30°	38082
35°	26310
40°	19236
45°	15635
50°	13612
55°	11959
60°	10411
65°	8827
70°	7139
75°	4980
80°	3175
85°	3697



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	102.4	9.0
10°-20°	262.8	23.0
20°-30°	300.1	26.3
30°-40°	193.6	16.9
40°-50°	121.6	10.6
50°-60°	86.2	7.5
60°-70°	52.0	4.5
70°-80°	20.1	1.8
80°-90°	4.4	0.4
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°	665.3	58.2
0°-40°	858.8	75.1
0°-60°	1066.6	93.3
0°-90°	1143.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1143.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1121	
5°	1097	102
15°	940	263
25°	668	300
35°	301	194
45°	154	122
55°	96	86
65°	52	52
75°	18	20
85°	4	4
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1121.2
2.5°	1114.8
5°	1096.8
7.5°	1065.9
10°	1025.4
12.5°	985.5
15°	940.4
17.5°	892.2
20°	831.7
22.5°	758.4
25°	667.7
27.5°	565.4
30°	460.6
32.5°	372.4
35°	301.0
37.5°	245.7
40°	205.8
42.5°	176.9
45°	154.4
47.5°	137.0
50°	122.2
52.5°	108.7
55°	95.8
57.5°	84.3
60°	72.7
62.5°	62.4
65°	52.1
67.5°	42.5
70°	34.1
72.5°	25.1
75°	18.0
77.5°	12.2
80°	7.7
82.5°	5.1
85°	4.5
87.5°	2.6
90°	0.0

(END OF REPORT)