

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: P365355

Luminaire Tested: **FLD6BX20D010-FEU6B12-8027-F6LBXVM1-MW-BTR94**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365355  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-21)  
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-BTR94  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,  
BOTTOM TRIM GLASS, TEMPERED CLEAR 0.187", 2000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1145.0 lumens  
Efficiency: N/A  
Efficacy: 56.4 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.83  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

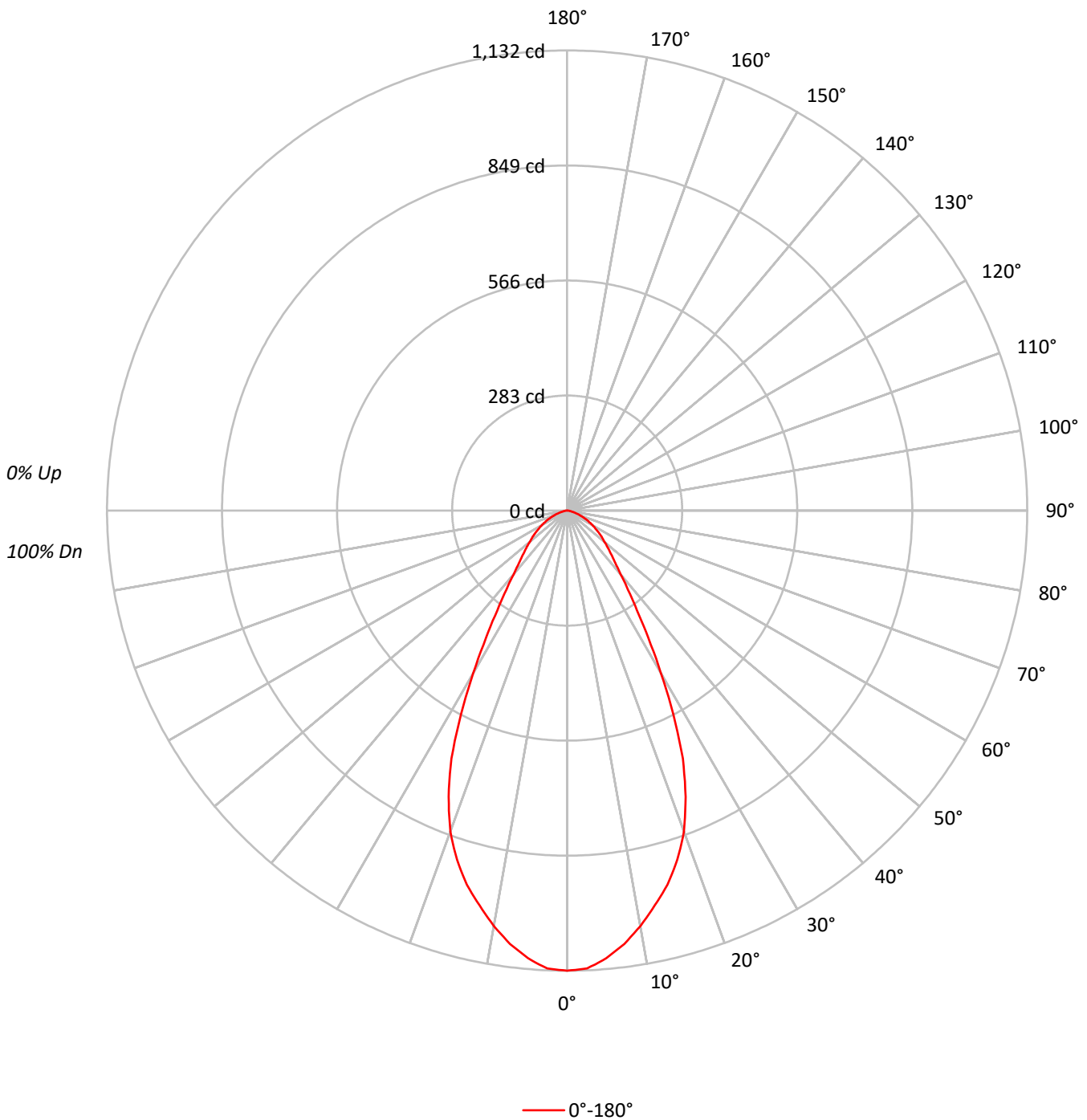
Input Watts (W): 20.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	98	93	89	94	91	87	91	88	85	88	86	84	82
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	72	69	68
5	87	78	71	66	85	77	70	65	75	69	65	73	68	64	71	67	64	62
6	82	72	65	60	81	71	65	60	70	64	60	68	63	59	67	62	59	57
7	78	67	60	56	76	66	60	55	65	59	55	64	59	55	63	58	54	53
8	74	63	56	51	72	62	56	51	61	55	51	60	55	51	59	54	51	49
9	70	59	52	48	69	59	52	48	58	52	48	57	51	48	56	51	47	46
10	66	56	49	45	65	55	49	45	54	49	45	53	48	45	53	48	44	43

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

	0°
0°	81046
5°	79458
10°	75462
15°	70644
20°	64036
25°	53178
30°	38148
35°	26153
40°	19189
45°	15574
50°	13401
55°	11884
60°	10325
65°	8725
70°	6867
75°	4980
80°	3175
85°	3697



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	103.4	9.0
10°-20°	265.6	23.2
20°-30°	301.6	26.3
30°-40°	193.0	16.9
40°-50°	120.6	10.5
50°-60°	85.4	7.5
60°-70°	51.1	4.5
70°-80°	19.9	1.7
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°	670.6	58.6
0°-40°	863.7	75.4
0°-60°	1069.6	93.4
0°-90°	1145.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1145.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1132	
5°	1106	103
15°	953	266
25°	673	302
35°	299	193
45°	154	121
55°	95	85
65°	52	51
75°	18	20
85°	4	4
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1131.9
2.5°	1127.4
5°	1105.5
7.5°	1075.2
10°	1037.9
12.5°	994.8
15°	953.0
17.5°	900.9
20°	840.4
22.5°	761.9
25°	673.1
27.5°	565.6
30°	461.4
32.5°	370.6
35°	299.2
37.5°	245.8
40°	205.3
42.5°	175.0
45°	153.8
47.5°	135.8
50°	120.3
52.5°	108.1
55°	95.2
57.5°	83.0
60°	72.1
62.5°	61.1
65°	51.5
67.5°	41.8
70°	32.8
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)