

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: P365409

Luminaire Tested: **FLD6BX20D010-FEU6B12-8040-F6LBXVM1-MW-BTR94**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365409  
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-FEU6B12-8040-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: 1234.0 lumens  
Efficiency: N/A  
Efficacy: 60.8 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

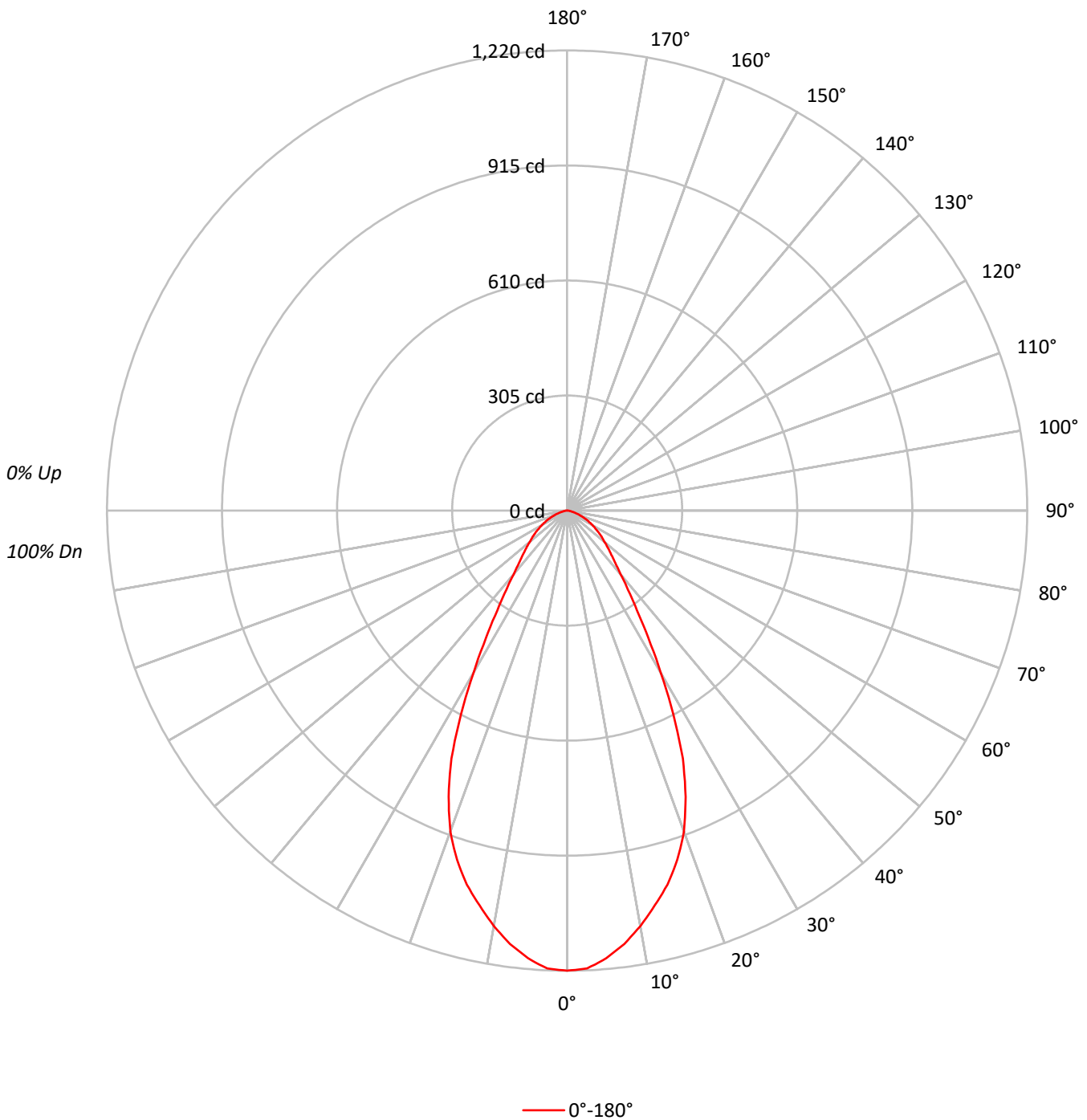
Input Watts (W): 20.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	87340
5°	85632
10°	81329
15°	76129
20°	69012
25°	57309
30°	41108
35°	28190
40°	20675
45°	16779
50°	14448
55°	12808
60°	11127
65°	9403
70°	7411
75°	5367
80°	3422
85°	4026



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	111.4	9.0
10°-20°	286.3	23.2
20°-30°	325.1	26.3
30°-40°	208.0	16.9
40°-50°	130.0	10.5
50°-60°	92.0	7.5
60°-70°	55.1	4.5
70°-80°	21.4	1.7
80°-90°	4.7	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°	722.7	58.6
0°-40°	930.8	75.4
0°-60°	1152.8	93.4
0°-90°	1234.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1234.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1220	
5°	1191	111
15°	1027	286
25°	725	325
35°	322	208
45°	166	130
55°	103	92
65°	56	55
75°	19	21
85°	5	5
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1219.8
2.5°	1215.0
5°	1191.4
7.5°	1158.8
10°	1118.6
12.5°	1072.1
15°	1027.0
17.5°	970.9
20°	905.7
22.5°	821.1
25°	725.4
27.5°	609.6
30°	497.2
32.5°	399.4
35°	322.5
37.5°	264.9
40°	221.2
42.5°	188.6
45°	165.7
47.5°	146.3
50°	129.7
52.5°	116.5
55°	102.6
57.5°	89.5
60°	77.7
62.5°	65.9
65°	55.5
67.5°	45.1
70°	35.4
72.5°	27.0
75°	19.4
77.5°	13.2
80°	8.3
82.5°	5.5
85°	4.9
87.5°	2.8
90°	0.0

(END OF REPORT)