

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: P365423

Luminaire Tested: **FLD6BX20D010-FEU6B12-8050-F6LBXVM1-MW-BTR86**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365423  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-17)  
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-BTR86  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,  
BOTTOM TRIM POLYCARBONATE, CLEAR 0.250", 2000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1214.0 lumens  
Efficiency: N/A  
Efficacy: 59.8 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

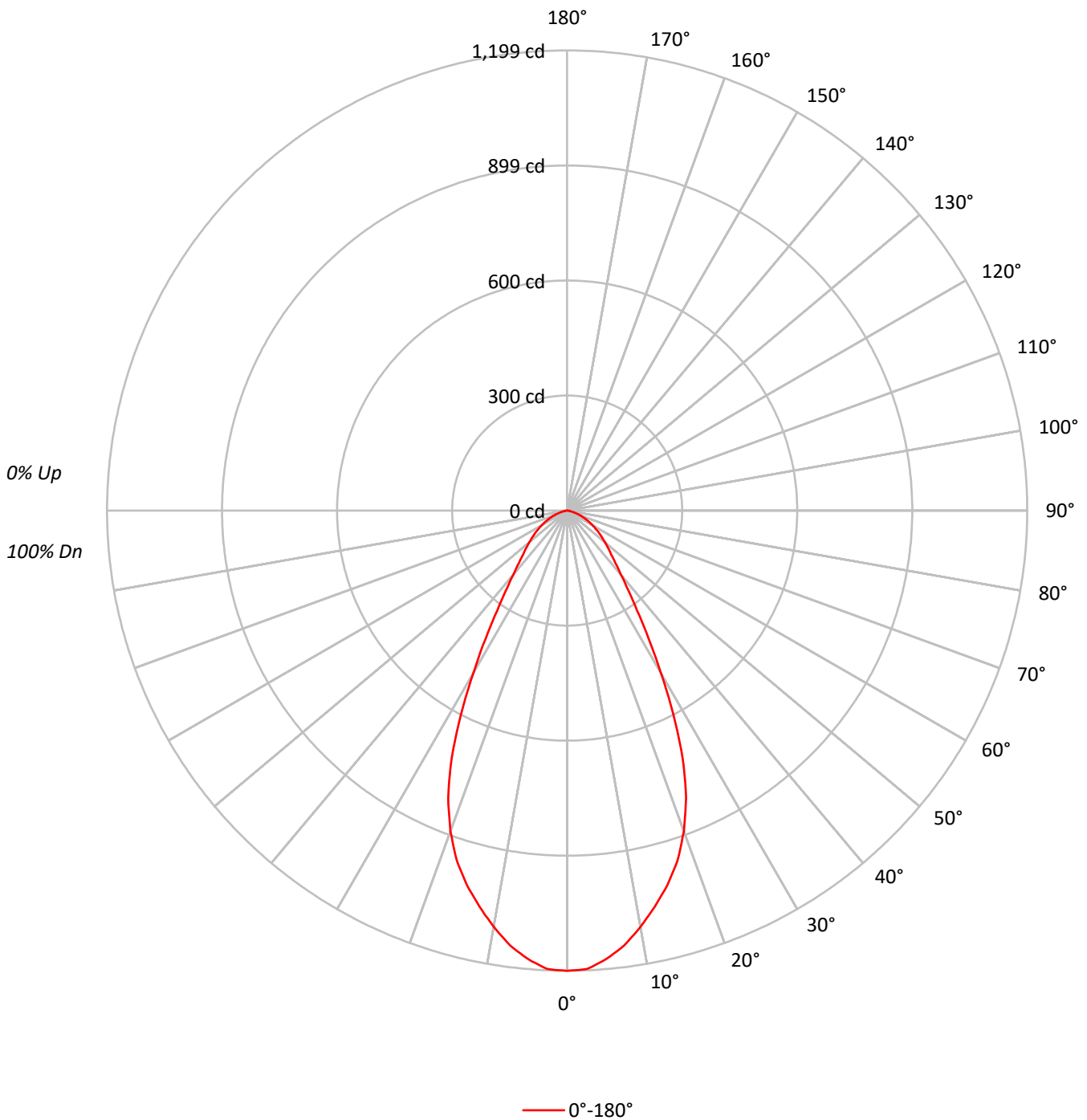
Input Watts (W): 20.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	103	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	86	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°	85872
5°	84310
10°	80064
15°	74839
20°	67724
25°	56243
30°	40355
35°	27700
40°	20386
45°	16475
50°	14325
55°	12596
60°	10883
65°	9268
70°	7285
75°	5118
80°	3216
85°	3533



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	109.7	9.0
10°-20°	281.7	23.2
20°-30°	319.5	26.3
30°-40°	204.8	16.9
40°-50°	128.4	10.6
50°-60°	90.5	7.5
60°-70°	54.4	4.5
70°-80°	20.8	1.7
80°-90°	4.2	0.3
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°	711.0	58.6
0°-40°	915.8	75.4
0°-60°	1134.7	93.5
0°-90°	1214.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1214.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1199	
5°	1173	110
15°	1010	282
25°	712	320
35°	317	205
45°	163	128
55°	101	91
65°	55	54
75°	18	21
85°	4	4
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1199.3
2.5°	1195.7
5°	1173.0
7.5°	1142.5
10°	1101.2
12.5°	1056.5
15°	1009.6
17.5°	956.3
20°	888.8
22.5°	809.9
25°	711.9
27.5°	598.9
30°	488.1
32.5°	394.3
35°	316.9
37.5°	260.7
40°	218.1
42.5°	186.9
45°	162.7
47.5°	144.9
50°	128.6
52.5°	114.4
55°	100.9
57.5°	88.1
60°	76.0
62.5°	65.4
65°	54.7
67.5°	44.8
70°	34.8
72.5°	26.3
75°	18.5
77.5°	12.8
80°	7.8
82.5°	5.0
85°	4.3
87.5°	2.1
90°	0.0

(END OF REPORT)