

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: P365357

Luminaire Tested: **FLD6BX20D010-FEU6B12-8030-F6LBXVM1-MW-BL84**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365357  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-36)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX20D010-FEU6B12-8030-F6LBXVM1-MW-BL84  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.125", 2000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1548.0 lumens  
Efficiency: N/A  
Efficacy: 76.3 lumens/watt  
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.95  
Luminous Opening: Circular (Dia: 0.71' x H: 0')  
CIE Type: Direct

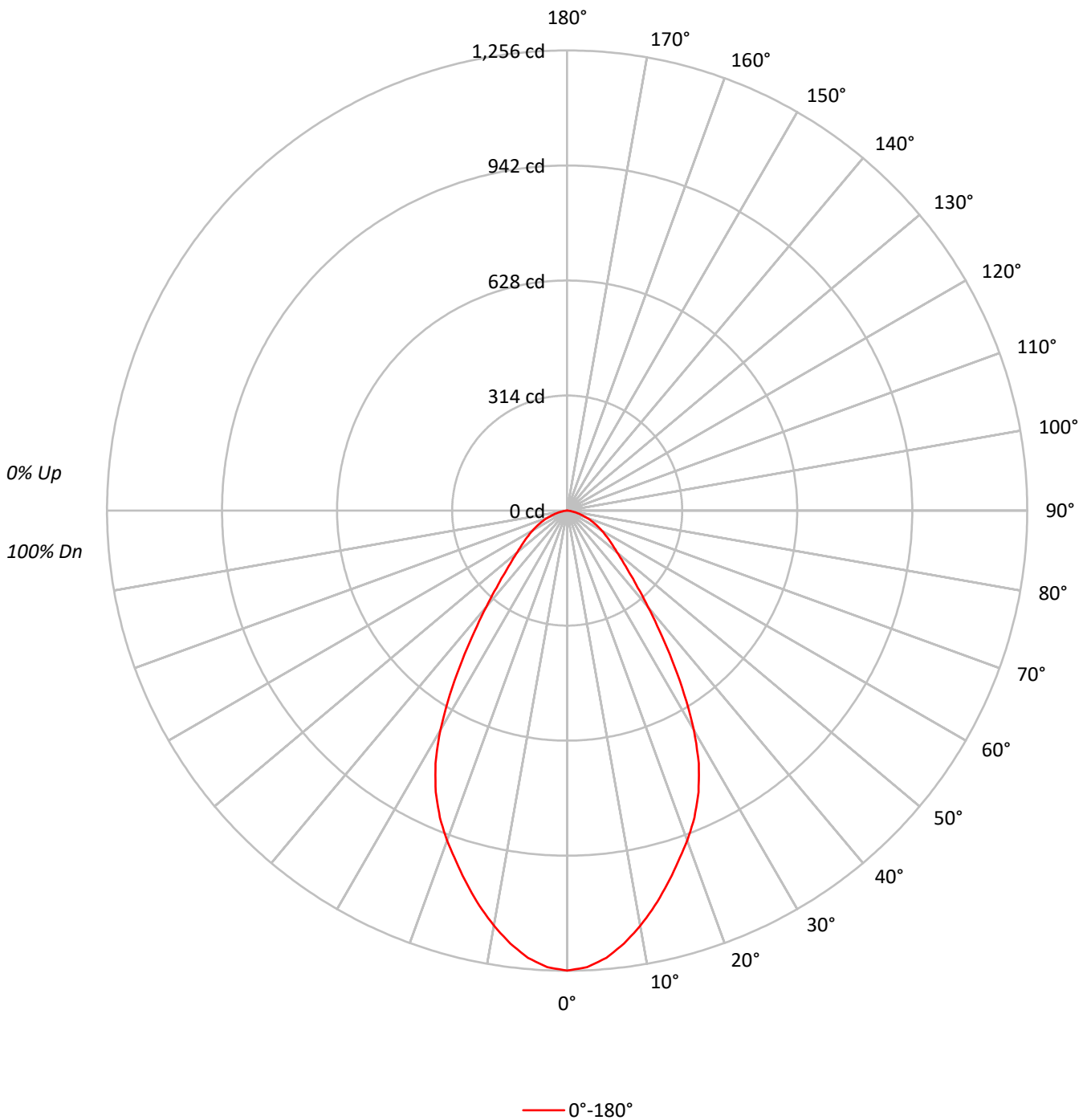
Input Watts (W): 20.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	112	108	105	102	109	106	103	101	102	100	97		98	96	95		95	93	92	90
2	104	98	93	89	102	96	92	88	93	89	86		90	87	84		87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76		82	78	75		80	77	74	72
4	91	82	75	70	89	80	74	69	78	73	68		76	71	67		74	70	67	65
5	85	75	68	63	84	74	67	62	72	66	62		70	65	61		69	64	61	59
6	80	69	62	57	78	68	62	57	67	61	56		65	60	56		64	59	55	54
7	75	64	57	52	74	64	57	52	62	56	52		61	55	51		60	55	51	49
8	71	60	53	48	70	59	52	48	58	52	47		57	51	47		56	51	47	45
9	67	56	49	44	66	55	49	44	54	48	44		53	48	44		52	47	44	42
10	64	52	46	41	62	52	45	41	51	45	41		50	45	41		49	44	41	39

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

	0°
0°	34294
5°	33597
10°	31914
15°	29857
20°	27856
25°	25558
30°	21826
35°	16640
40°	12252
45°	9302
50°	7573
55°	6662
60°	5949
65°	5261
70°	4456
75°	3483
80°	2328
85°	1066



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	114.6	7.4
10°-20°	296.3	19.1
20°-30°	385.1	24.9
30°-40°	313.8	20.3
40°-50°	190.5	12.3
50°-60°	126.0	8.1
60°-70°	80.8	5.2
70°-80°	35.7	2.3
80°-90°	5.3	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°	795.9	51.4
0°-40°	1109.7	71.7
0°-60°	1426.2	92.1
0°-90°	1548.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1548.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1256	
5°	1225	115
15°	1056	296
25°	848	385
35°	499	314
45°	241	190
55°	140	126
65°	81	81
75°	33	36
85°	3	5
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1255.5
2.5°	1247.5
5°	1225.3
7.5°	1191.7
10°	1150.6
12.5°	1104.9
15°	1055.8
17.5°	1005.4
20°	958.3
22.5°	907.2
25°	848.0
27.5°	778.1
30°	692.0
32.5°	595.2
35°	499.0
37.5°	413.6
40°	343.6
42.5°	285.1
45°	240.8
47.5°	205.8
50°	178.2
52.5°	157.4
55°	139.9
57.5°	123.7
60°	108.9
62.5°	94.8
65°	81.4
67.5°	68.6
70°	55.8
72.5°	43.7
75°	33.0
77.5°	23.5
80°	14.8
82.5°	8.1
85°	3.4
87.5°	0.7
90°	0.0

(END OF REPORT)