

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: P365396

Luminaire Tested: **FLD6BX20D010-FEU6B12-8040-F6LBXVM1-MW-BL87**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365396  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-39)  
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-BL87  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.375", 2000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1507.0 lumens  
Efficiency: N/A  
Efficacy: 74.2 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

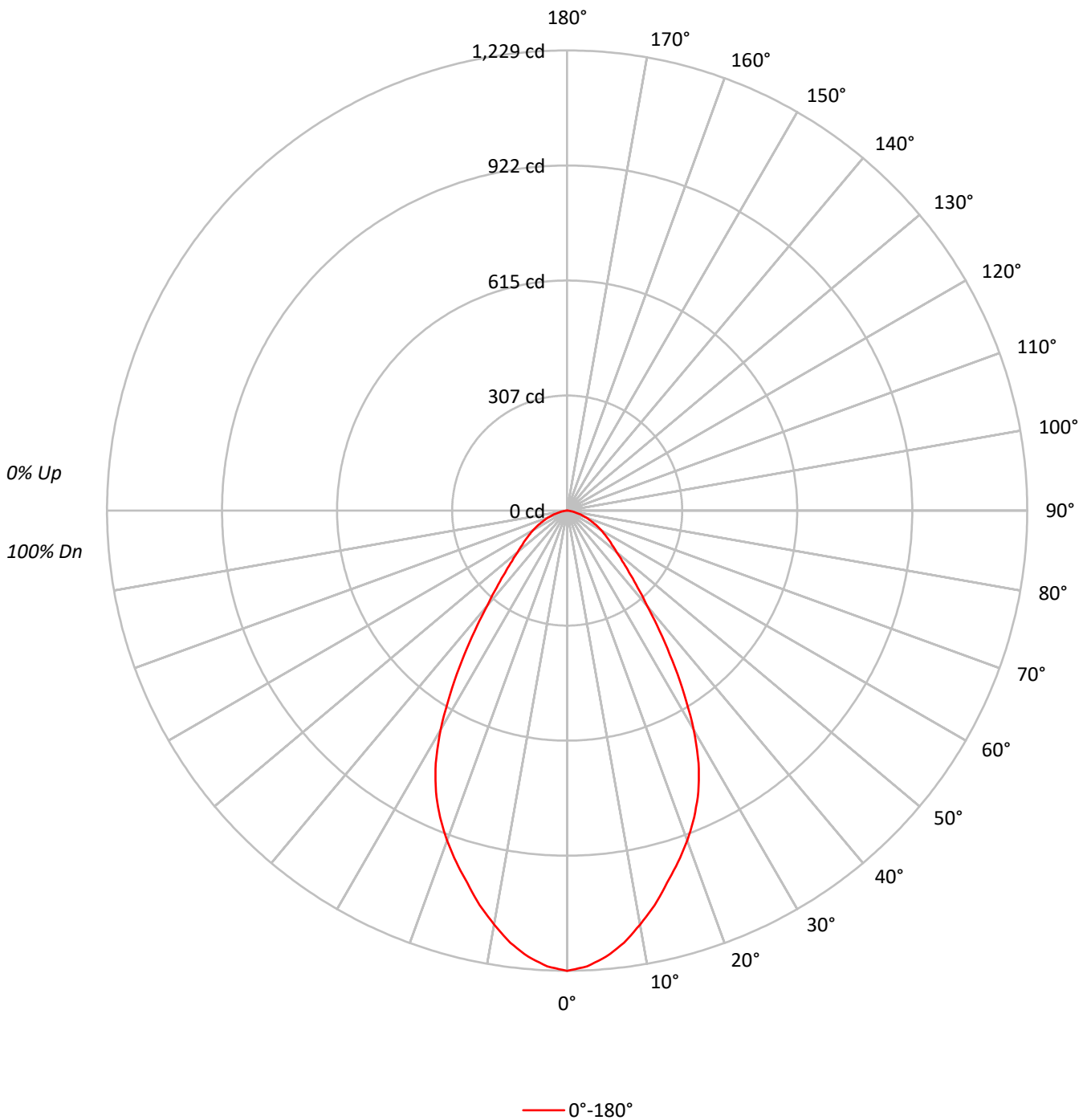
Input Watts (W): 20.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	112	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	90				90
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	80				80
3	97	89	83	78	95	88	82	77	85	80	76	83	78	75	80	77	74	72				72
4	91	82	75	70	89	81	74	69	78	73	68	76	71	68	74	70	67	65				65
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	59				59
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	54				54
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49				49
8	71	60	53	48	70	59	53	48	58	52	48	57	51	47	56	51	47	46				46
9	67	56	49	44	66	55	49	44	54	48	44	53	48	44	52	47	44	42				42
10	64	52	46	41	63	52	46	41	51	45	41	50	45	41	49	44	41	39				39

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

	0°
0°	33581
5°	32797
10°	31137
15°	29119
20°	27252
25°	24994
30°	21325
35°	16326
40°	11867
45°	9055
50°	7339
55°	6439
60°	5720
65°	4977
70°	4209
75°	3293
80°	2187
85°	878



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	111.9	7.4
10°-20°	289.6	19.2
20°-30°	376.5	25.0
30°-40°	306.8	20.4
40°-50°	185.3	12.3
50°-60°	121.7	8.1
60°-70°	76.8	5.1
70°-80°	33.6	2.2
80°-90°	4.9	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°	777.9	51.6
0°-40°	1084.7	72.0
0°-60°	1391.7	92.3
0°-90°	1507.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1507.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1229	
5°	1196	112
15°	1030	290
25°	829	376
35°	490	307
45°	234	185
55°	135	122
65°	77	77
75°	31	34
85°	3	5
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1229.4
2.5°	1218.3
5°	1196.1
7.5°	1164.2
10°	1122.6
12.5°	1079.6
15°	1029.7
17.5°	984.6
20°	937.5
22.5°	886.9
25°	829.3
27.5°	760.7
30°	676.1
32.5°	581.8
35°	489.6
37.5°	405.0
40°	332.8
42.5°	278.8
45°	234.4
47.5°	199.7
50°	172.7
52.5°	151.9
55°	135.2
57.5°	119.3
60°	104.7
62.5°	90.8
65°	77.0
67.5°	64.5
70°	52.7
72.5°	41.6
75°	31.2
77.5°	21.5
80°	13.9
82.5°	7.6
85°	2.8
87.5°	0.7
90°	0.0

(END OF REPORT)