

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: P365428

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365428  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-5)  
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  
Description: VANDAL RESISTANT OPEN, MATTE WHITE REFLECTOR, 2000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1826.0 lumens  
Efficiency: N/A  
Efficacy: 90.0 lumens/watt  
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.94  
Luminous Opening: Circular (Dia: 0.71' x H: 0')  
CIE Type: Direct

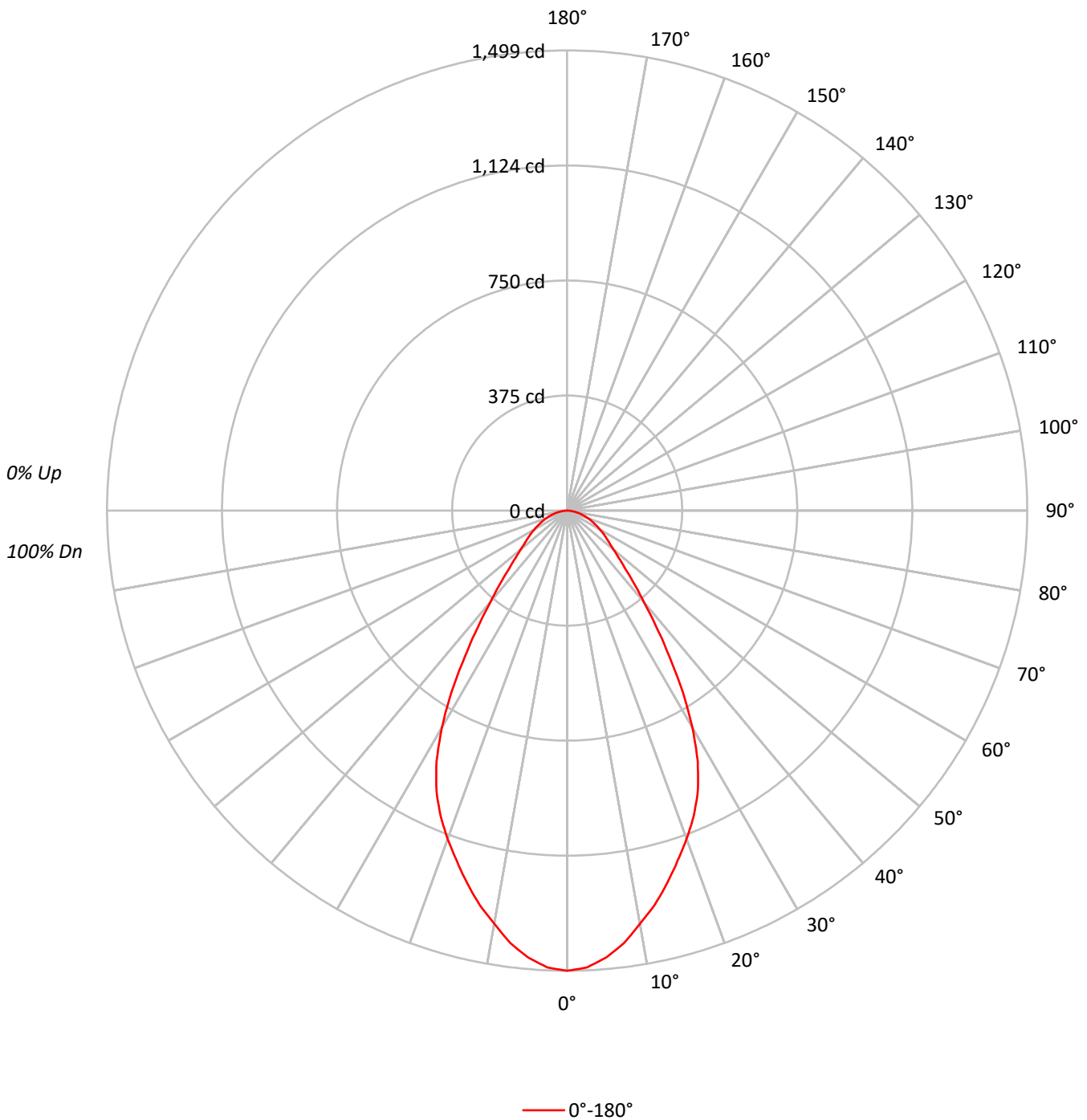
Input Watts (W): 20.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	89
2	104	98	93	88	102	96	91	87	93	89	85	89	86	83	87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76	82	78	74	80	76	73	71
4	91	81	75	69	89	80	74	69	78	72	68	76	71	67	74	70	66	64
5	85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60	59
6	80	69	62	57	78	68	61	56	67	61	56	65	60	56	64	59	55	54
7	75	64	57	52	74	63	57	52	62	56	51	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	63	52	45	41	51	45	41	50	45	41	49	44	41	39

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

	0°
0°	40946
5°	40063
10°	37902
15°	35555
20°	33077
25°	30365
30°	25731
35°	19327
40°	13867
45°	10376
50°	8359
55°	7420
60°	6741
65°	6179
70°	5654
75°	5182
80°	4609
85°	3792



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	136.5	7.5
10°-20°	352.5	19.3
20°-30°	456.6	25.0
30°-40°	365.4	20.0
40°-50°	213.1	11.7
50°-60°	140.5	7.7
60°-70°	95.3	5.2
70°-80°	52.1	2.9
80°-90°	14.0	0.8
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°	945.6	51.8
0°-40°	1311.0	71.8
0°-60°	1664.6	91.2
0°-90°	1826.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1826.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1499	
5°	1461	137
15°	1257	353
25°	1008	457
35°	580	365
45°	269	213
55°	156	140
65°	96	95
75°	49	52
85°	12	14
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1499.0
2.5°	1489.4
5°	1461.1
7.5°	1420.7
10°	1366.5
12.5°	1316.0
15°	1257.3
17.5°	1196.1
20°	1137.9
22.5°	1077.3
25°	1007.5
27.5°	921.0
30°	815.8
32.5°	702.0
35°	579.6
37.5°	476.9
40°	388.9
42.5°	322.2
45°	268.6
47.5°	227.6
50°	196.7
52.5°	173.5
55°	155.8
57.5°	139.6
60°	123.4
62.5°	109.2
65°	95.6
67.5°	83.4
70°	70.8
72.5°	59.7
75°	49.1
77.5°	38.9
80°	29.3
82.5°	20.2
85°	12.1
87.5°	4.6
90°	0.0

(END OF REPORT)