

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: P366310

Luminaire Tested: **FLD6BX40D010-FEU6B35-8040-F6LBXVM1-WMH**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366310  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-11)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX40D010-FEU6B35-8040-F6LBXVM1-WMH  
Description: VANDAL RESISTANT OPEN, WARM HAZE REFLECTOR, 4000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4059.0 lumens  
Efficiency: N/A  
Efficacy: 100.0 lumens/watt  
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.84  
Luminous Opening: Circular (Dia: 0.71' x H: 0')  
CIE Type: Direct

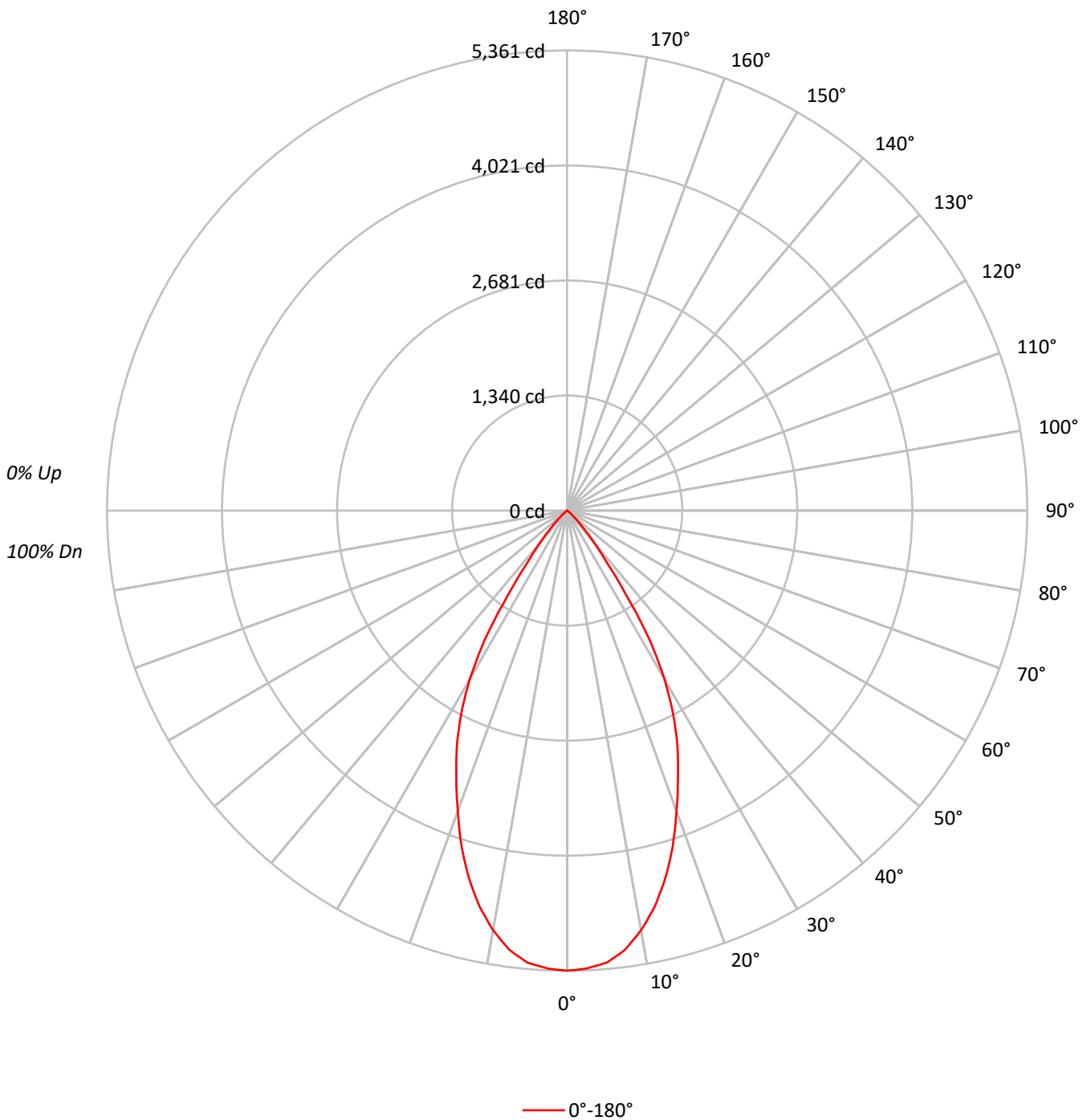
Input Watts (W): 40.6  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	91	90	88
3	103	97	93	89	101	96	92	88	93	90	87	91	88	85	89	86	84	82
4	98	91	86	82	97	90	85	82	88	84	81	86	83	80	84	81	79	77
5	94	86	80	76	92	85	80	76	83	79	75	82	78	75	80	77	74	72
6	89	81	75	71	88	80	75	71	79	74	70	77	73	70	76	72	69	68
7	85	76	71	67	84	76	70	66	74	70	66	73	69	66	72	68	65	64
8	81	72	66	63	80	72	66	62	71	66	62	70	65	62	69	65	62	60
9	78	68	63	59	77	68	62	59	67	62	59	66	62	58	65	61	58	57
10	74	65	59	56	73	64	59	56	64	59	55	63	58	55	62	58	55	54

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

	0°
0°	146432
5°	144967
10°	137707
15°	125188
20°	108300
25°	91713
30°	71582
35°	39852
40°	17462
45°	7019
50°	1929
55°	338
60°	235
65°	181
70°	112
75°	148
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	494.3	12.2
10°-20°	1228.3	30.3
20°-30°	1379.8	34.0
30°-40°	780.7	19.2
40°-50°	160.9	4.0
50°-60°	11.7	0.3
60°-70°	2.4	0.1
70°-80°	0.9	0.0
80°-90°	0.0	0.0
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°	3102.3	76.4
0°-40°	3883.0	95.7
0°-60°	4055.6	99.9
0°-90°	4059.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4059.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5361	
5°	5287	494
15°	4427	1228
25°	3043	1380
35°	1195	781
45°	182	161
55°	7	12
65°	3	2
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	5360.8
2.5°	5338.1
5°	5287.0
7.5°	5160.7
10°	4964.8
12.5°	4720.7
15°	4426.9
17.5°	4093.3
20°	3725.7
22.5°	3373.7
25°	3043.0
27.5°	2676.9
30°	2269.5
32.5°	1795.5
35°	1195.1
37.5°	749.4
40°	489.7
42.5°	309.4
45°	181.7
47.5°	96.5
50°	45.4
52.5°	15.6
55°	7.1
57.5°	5.7
60°	4.3
62.5°	2.8
65°	2.8
67.5°	1.4
70°	1.4
72.5°	1.4
75°	1.4
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)