

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: P366271

Luminaire Tested: **FLD6BX40D010-FEU6B35-8030-F6LBXVM1-WMH-BTR89BI**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366271  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-28)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX40D010-FEU6B35-8030-F6LBXVM1-WMH-BTR89BI  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,  
BOTTOM TRIM ACRYLIC, CLEAR RFI 0.125", 4000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2960.0 lumens  
Efficiency: N/A  
Efficacy: 72.9 lumens/watt  
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.8  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

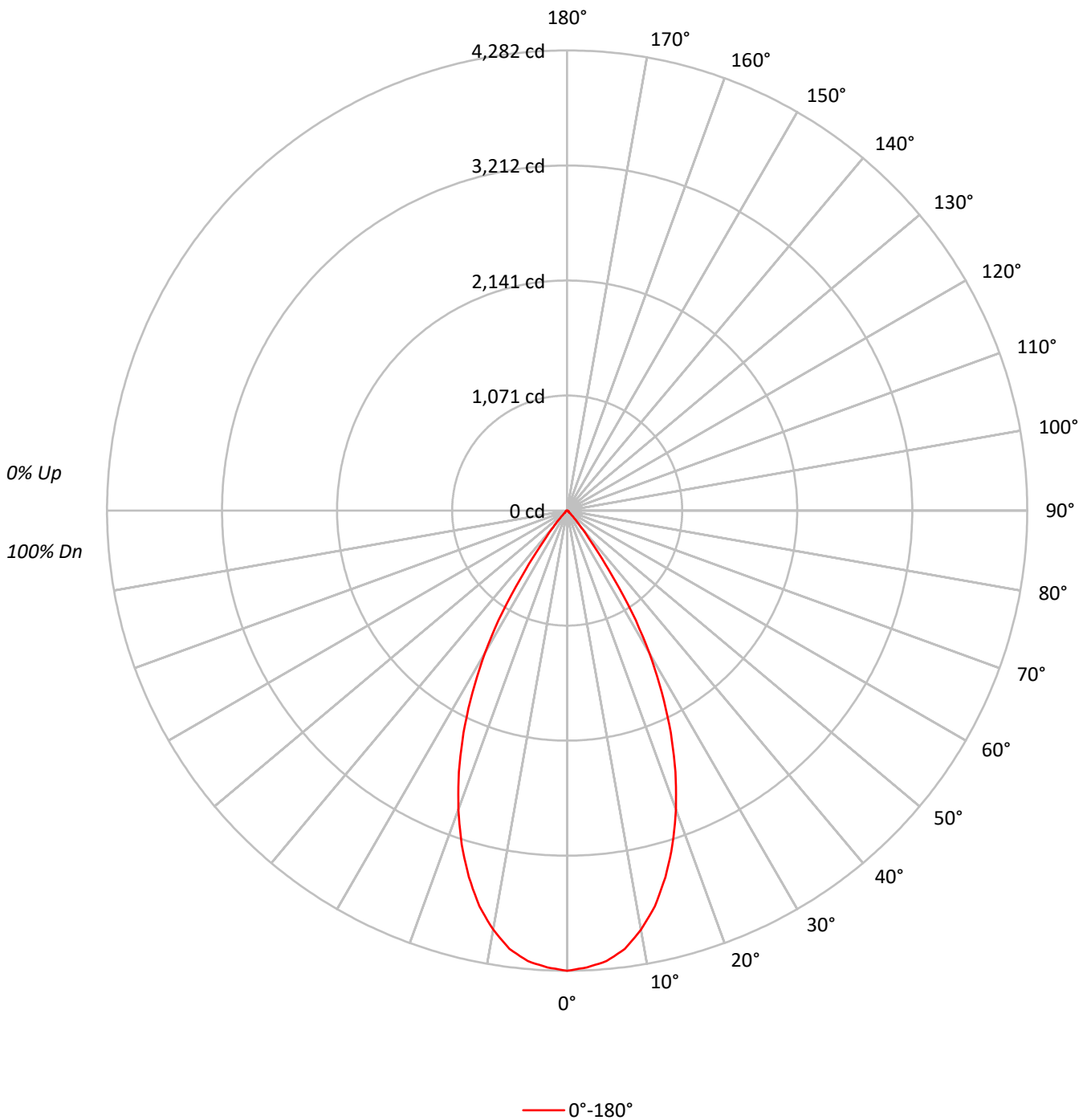
Input Watts (W): 40.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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							
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10				
RCR																								
0	119	119	119	119	116	116	116	116	111	111	111	111	106	106	106	106	102	102	102	102	100	100	100	100
1	114	111	109	107	111	109	107	105	105	103	102	102	101	100	99	99	98	97	96	96	94	94	94	94
2	109	104	100	97	106	102	99	96	99	96	94	94	96	94	92	92	93	92	90	90	88	88	88	88
3	104	98	93	89	102	96	92	89	94	90	87	87	91	88	86	86	89	87	85	85	83	83	83	83
4	99	92	87	83	97	91	86	82	89	85	81	81	87	83	80	80	85	82	80	80	78	78	78	78
5	94	87	81	77	93	86	81	77	84	80	76	76	82	79	76	76	81	78	75	75	74	74	74	74
6	90	82	76	72	89	81	76	72	80	75	72	72	78	74	71	71	77	74	71	71	69	69	69	69
7	86	78	72	68	85	77	72	68	76	71	68	68	75	70	67	67	74	70	67	67	66	66	66	66
8	82	74	68	64	81	73	68	64	72	67	64	64	71	67	64	64	70	66	63	63	62	62	62	62
9	79	70	65	61	78	70	64	61	69	64	61	61	68	63	60	60	67	63	60	60	59	59	59	59
10	76	67	61	58	75	66	61	58	65	61	57	57	65	60	57	57	64	60	57	57	56	56	56	56

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

	0°
0°	306606
5°	302473
10°	287917
15°	261737
20°	225383
25°	180168
30°	126333
35°	58766
40°	18563
45°	5802
50°	2551
55°	2384
60°	2191
65°	1948
70°	2135
75°	2462
80°	3134
85°	5258



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	393.9	13.3
10°-20°	979.0	33.1
20°-30°	1029.3	34.8
30°-40°	456.6	15.4
40°-50°	57.1	1.9
50°-60°	17.1	0.6
60°-70°	12.0	0.4
70°-80°	9.4	0.3
80°-90°	5.6	0.2
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°	2402.2	81.2
0°-40°	2858.9	96.6
0°-60°	2933.1	99.1
0°-90°	2960.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2960.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4282	
5°	4208	394
15°	3531	979
25°	2280	1029
35°	672	457
45°	57	57
55°	19	17
65°	12	12
75°	9	9
85°	6	6
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4282.1
2.5°	4254.1
5°	4208.3
7.5°	4114.0
10°	3960.0
12.5°	3771.5
15°	3530.9
17.5°	3259.7
20°	2957.9
22.5°	2630.6
25°	2280.5
27.5°	1908.7
30°	1528.0
32.5°	1124.3
35°	672.3
37.5°	357.8
40°	198.6
42.5°	108.2
45°	57.3
47.5°	28.0
50°	22.9
52.5°	20.4
55°	19.1
57.5°	17.8
60°	15.3
62.5°	14.0
65°	11.5
67.5°	10.2
70°	10.2
72.5°	8.9
75°	8.9
77.5°	8.9
80°	7.6
82.5°	6.4
85°	6.4
87.5°	3.8
90°	0.0

(END OF REPORT)