

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: P366326

Luminaire Tested: **FLD6BX40D010-FEU6B35-8050-F6LBXVM1-WMH-BTR89BV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366326  
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-FEU6B35-8050-F6LBXVM1-WMH-BTR89BV  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,  
BOTTOM TRIM ACRYLIC, CLEAR 0.125", 4000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3380.1 lumens  
Efficiency: N/A  
Efficacy: 83.3 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

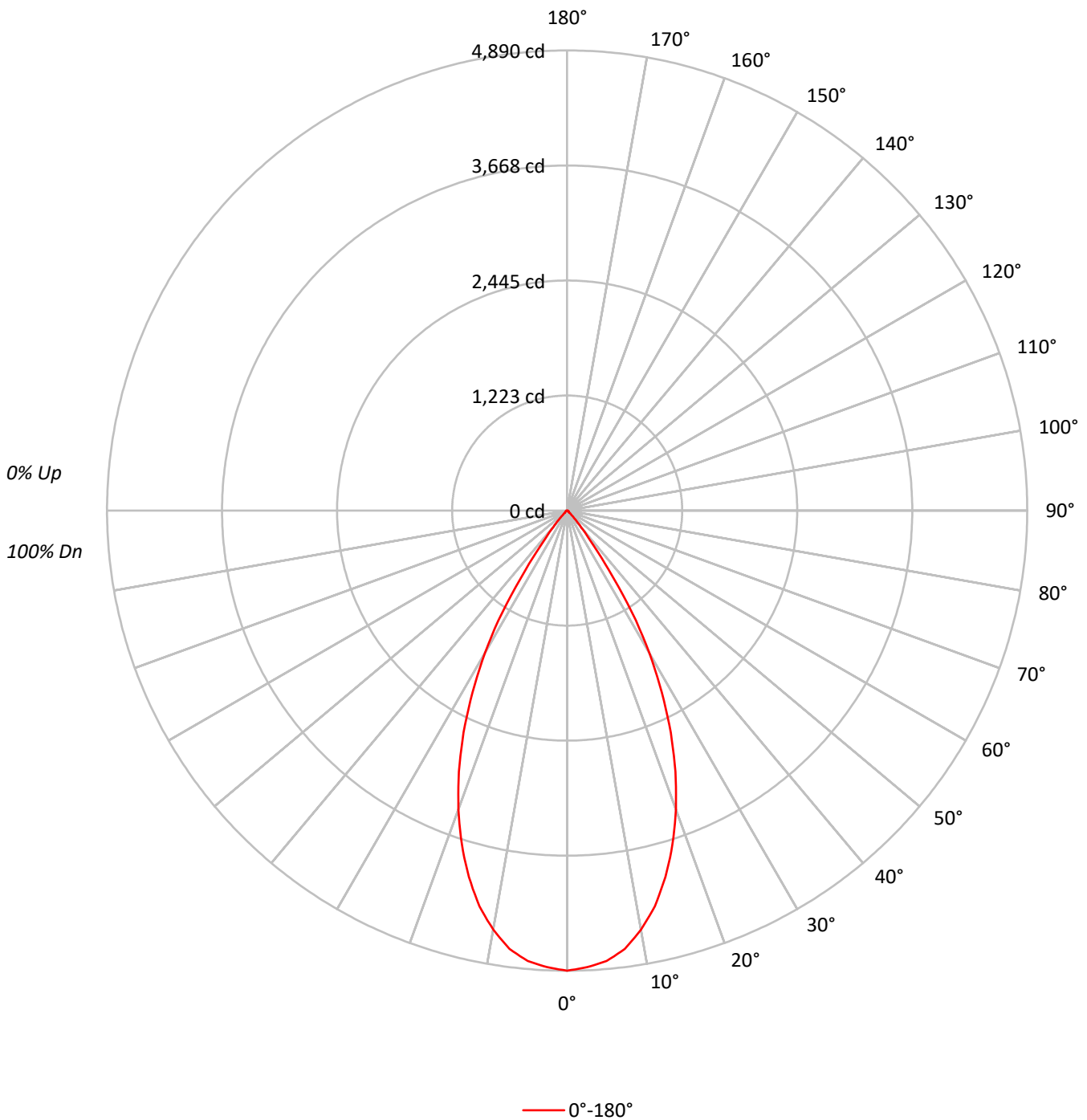
Input Watts (W): 40.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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

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

	0°
0°	350112
5°	345390
10°	328771
15°	298875
20°	257363
25°	205734
30°	144258
35°	67104
40°	21199
45°	6622
50°	2918
55°	2721
60°	2492
65°	2219
70°	2428
75°	2822
80°	3587
85°	5997



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	449.8	13.3
10°-20°	1118.0	33.1
20°-30°	1175.3	34.8
30°-40°	521.4	15.4
40°-50°	65.2	1.9
50°-60°	19.5	0.6
60°-70°	13.7	0.4
70°-80°	10.8	0.3
80°-90°	6.4	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°	2743.1	81.2
0°-40°	3264.5	96.6
0°-60°	3349.3	99.1
0°-90°	3380.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3380.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4890	
5°	4805	450
15°	4032	1118
25°	2604	1175
35°	768	521
45°	65	65
55°	22	20
65°	13	14
75°	10	11
85°	7	6
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4889.7
2.5°	4857.7
5°	4805.4
7.5°	4697.8
10°	4521.9
12.5°	4306.7
15°	4031.9
17.5°	3722.2
20°	3377.6
22.5°	3003.9
25°	2604.1
27.5°	2179.5
30°	1744.8
32.5°	1283.9
35°	767.7
37.5°	408.6
40°	226.8
42.5°	123.6
45°	65.4
47.5°	32.0
50°	26.2
52.5°	23.3
55°	21.8
57.5°	20.4
60°	17.4
62.5°	16.0
65°	13.1
67.5°	11.6
70°	11.6
72.5°	10.2
75°	10.2
77.5°	10.2
80°	8.7
82.5°	7.3
85°	7.3
87.5°	4.4
90°	0.0

(END OF REPORT)