

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: P366282

Luminaire Tested: **FLD6BX40D010-FEU6B35-8035-F6LBXVM1-WMH-BTR80**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366282  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-29)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX40D010-FEU6B35-8035-F6LBXVM1-WMH-BTR80  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,  
BOTTOM TRIM ACRYLIC, PATTERN 12 0.125", 4000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3183.0 lumens  
Efficiency: N/A  
Efficacy: 78.4 lumens/watt  
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.88  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

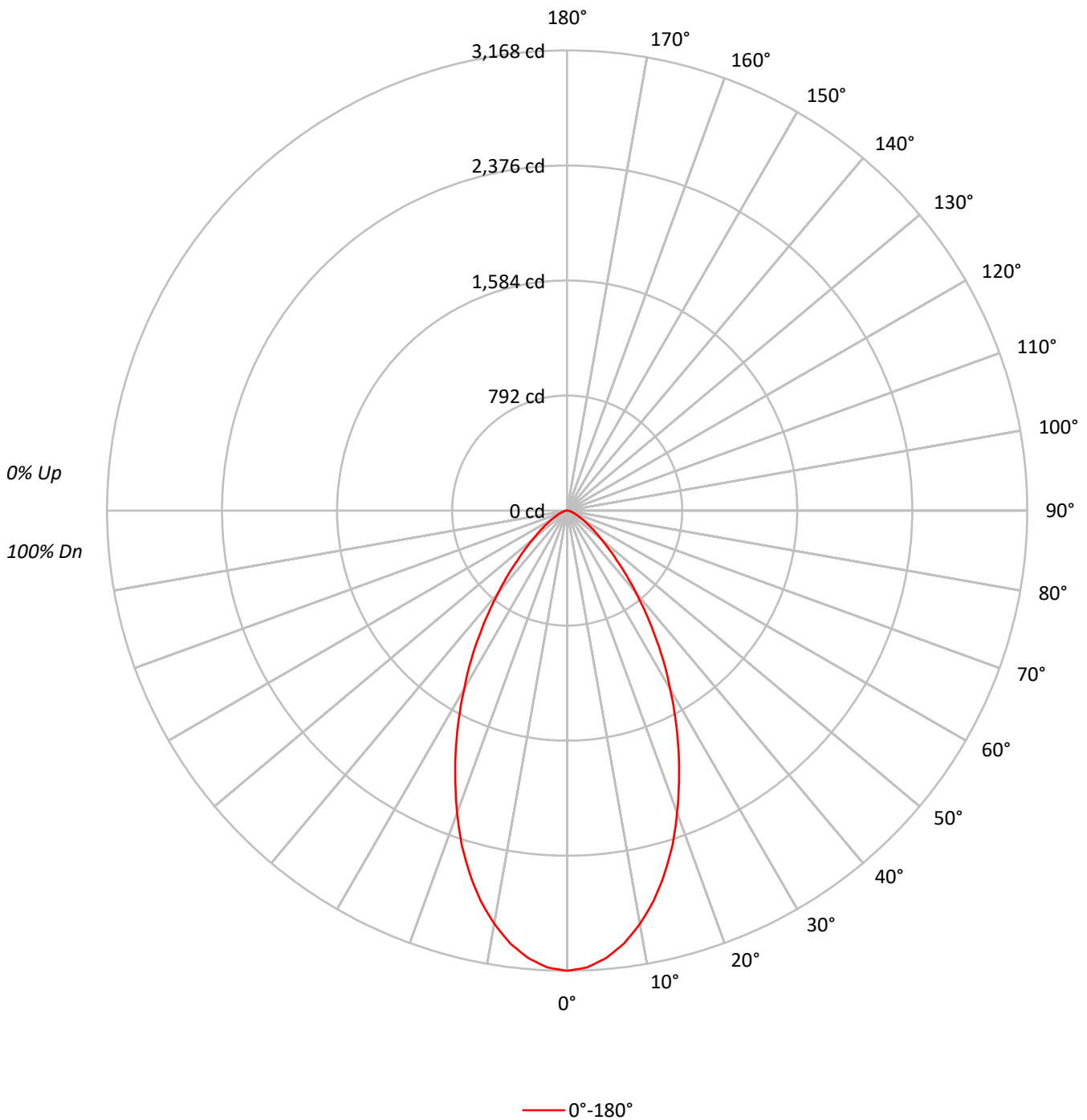
Input Watts (W): 40.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	113	109	106	104	110	107	105	102	103	101	99	99	98	96	96	95	93	91
2	106	100	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85	83
3	100	92	86	82	97	91	85	81	88	84	80	85	82	79	83	80	77	76
4	94	85	79	74	92	84	78	73	82	77	72	79	75	72	78	74	71	69
5	88	79	72	67	86	78	71	67	76	70	66	74	69	66	72	68	65	63
6	83	73	66	62	82	72	66	61	71	65	61	69	64	60	68	63	60	58
7	79	68	61	57	77	67	61	57	66	60	56	65	60	56	64	59	56	54
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	52	50
9	70	60	53	49	69	59	53	49	58	53	49	57	52	48	56	52	48	47
10	67	56	50	46	66	56	50	46	55	49	45	54	49	45	53	49	45	44

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

	0°
0°	226856
5°	222167
10°	210034
15°	191968
20°	168647
25°	143353
30°	117271
35°	92313
40°	68784
45°	48777
50°	34420
55°	24717
60°	17700
65°	12842
70°	9986
75°	8161
80°	6969
85°	6901



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	288.7	9.1
10°-20°	720.6	22.6
20°-30°	828.9	26.0
30°-40°	661.4	20.8
40°-50°	381.3	12.0
50°-60°	181.8	5.7
60°-70°	78.6	2.5
70°-80°	32.2	1.0
80°-90°	9.5	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
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0°-30°	1838.2	57.7
0°-40°	2499.6	78.5
0°-60°	3062.7	96.2
0°-90°	3183.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3183.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3168	
5°	3091	289
15°	2590	721
25°	1814	829
35°	1056	661
45°	482	381
55°	198	182
65°	76	79
75°	30	32
85°	8	10
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	3168.3
2.5°	3148.6
5°	3091.0
7.5°	3005.4
10°	2888.8
12.5°	2752.6
15°	2589.7
17.5°	2412.7
20°	2213.3
22.5°	2012.5
25°	1814.5
27.5°	1613.6
30°	1418.4
32.5°	1240.1
35°	1056.1
37.5°	891.8
40°	735.9
42.5°	602.5
45°	481.7
47.5°	386.2
50°	309.0
52.5°	247.2
55°	198.0
57.5°	155.9
60°	123.6
62.5°	96.9
65°	75.8
67.5°	60.4
70°	47.7
72.5°	37.9
75°	29.5
77.5°	22.5
80°	16.9
82.5°	12.6
85°	8.4
87.5°	5.6
90°	0.0

(END OF REPORT)