

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: P365522

Luminaire Tested: **FLD6BX40D010-FEU6B35-8027-F6LBXVM1-MW-BL87**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365522  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-39)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX40D010-FEU6B35-8027-F6LBXVM1-MW-BL87  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.375", 4000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2862.0 lumens  
Efficiency: N/A  
Efficacy: 70.5 lumens/watt  
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.95  
Luminous Opening: Circular (Dia: 0.71' x H: 0')  
CIE Type: Direct

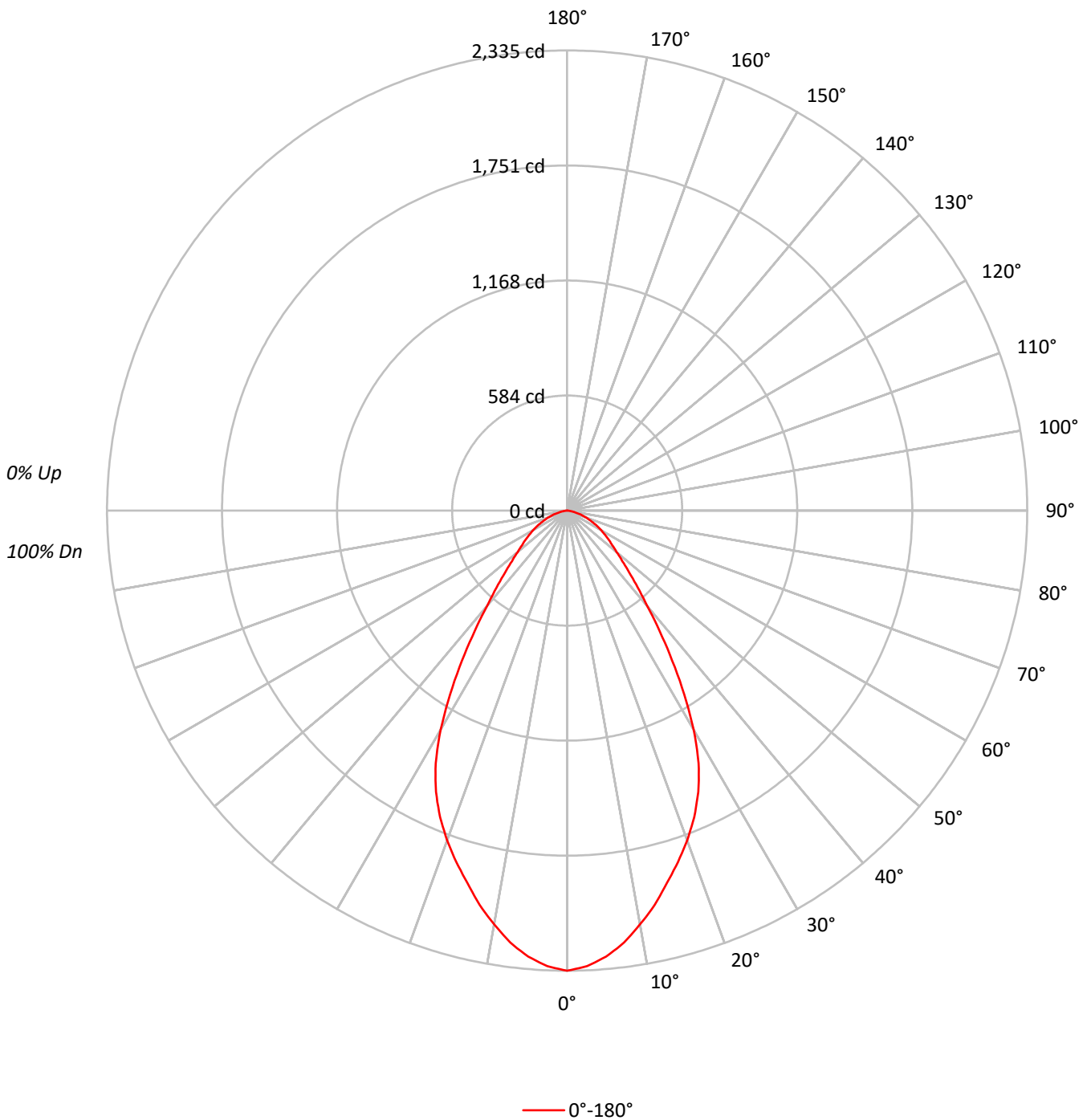
Input Watts (W): 40.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	112	108	105	102	109	106	103	101	102	100	98		98	96	95		95	93	92	90
2	104	98	93	89	102	96	92	88	93	89	86		90	87	84		87	84	82	80
3	98	89	83	78	95	88	82	78	85	80	76		83	78	75		80	77	74	72
4	91	82	75	70	89	81	74	69	78	73	68		76	71	68		74	70	67	65
5	85	75	68	63	84	74	67	62	72	66	62		70	65	61		69	64	61	59
6	80	69	62	57	79	69	62	57	67	61	56		65	60	56		64	59	56	54
7	75	64	57	52	74	64	57	52	62	56	52		61	55	51		60	55	51	49
8	71	60	53	48	70	59	53	48	58	52	48		57	51	47		56	51	47	46
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	46	41	51	45	41		50	45	41		49	44	41	39

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

	0°
0°	63776
5°	62286
10°	59135
15°	55302
20°	51753
25°	47469
30°	40499
35°	31002
40°	22539
45°	17194
50°	13934
55°	12230
60°	10866
65°	9449
70°	7994
75°	6258
80°	4137
85°	1661



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	212.5	7.4
10°-20°	549.9	19.2
20°-30°	715.0	25.0
30°-40°	582.7	20.4
40°-50°	351.8	12.3
50°-60°	231.1	8.1
60°-70°	146.0	5.1
70°-80°	63.8	2.2
80°-90°	9.3	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
0°-30°	1477.4	51.6
0°-40°	2060.1	72.0
0°-60°	2643.0	92.3
0°-90°	2862.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2862.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2335	
5°	2272	212
15°	1956	550
25°	1575	715
35°	930	583
45°	445	352
55°	257	231
65°	146	146
75°	59	64
85°	5	9
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2334.8
2.5°	2313.8
5°	2271.6
7.5°	2211.1
10°	2132.0
12.5°	2050.4
15°	1955.6
17.5°	1870.0
20°	1780.4
22.5°	1684.3
25°	1575.0
27.5°	1444.6
30°	1284.0
32.5°	1104.9
35°	929.7
37.5°	769.1
40°	632.1
42.5°	529.4
45°	445.1
47.5°	379.3
50°	327.9
52.5°	288.4
55°	256.8
57.5°	226.5
60°	198.9
62.5°	172.5
65°	146.2
67.5°	122.5
70°	100.1
72.5°	79.0
75°	59.3
77.5°	40.8
80°	26.3
82.5°	14.5
85°	5.3
87.5°	1.3
90°	0.0

(END OF REPORT)