

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: P365530

Luminaire Tested: **FLD6BX40D010-FEU6B35-8027-F6LBXVM1-MW-BTR85**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365530  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-16)  
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-BTR85  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,  
BOTTOM TRIM POLYCARBONATE, CLEAR 0.187", 4000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2323.0 lumens  
Efficiency: N/A  
Efficacy: 57.2 lumens/watt  
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.84  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

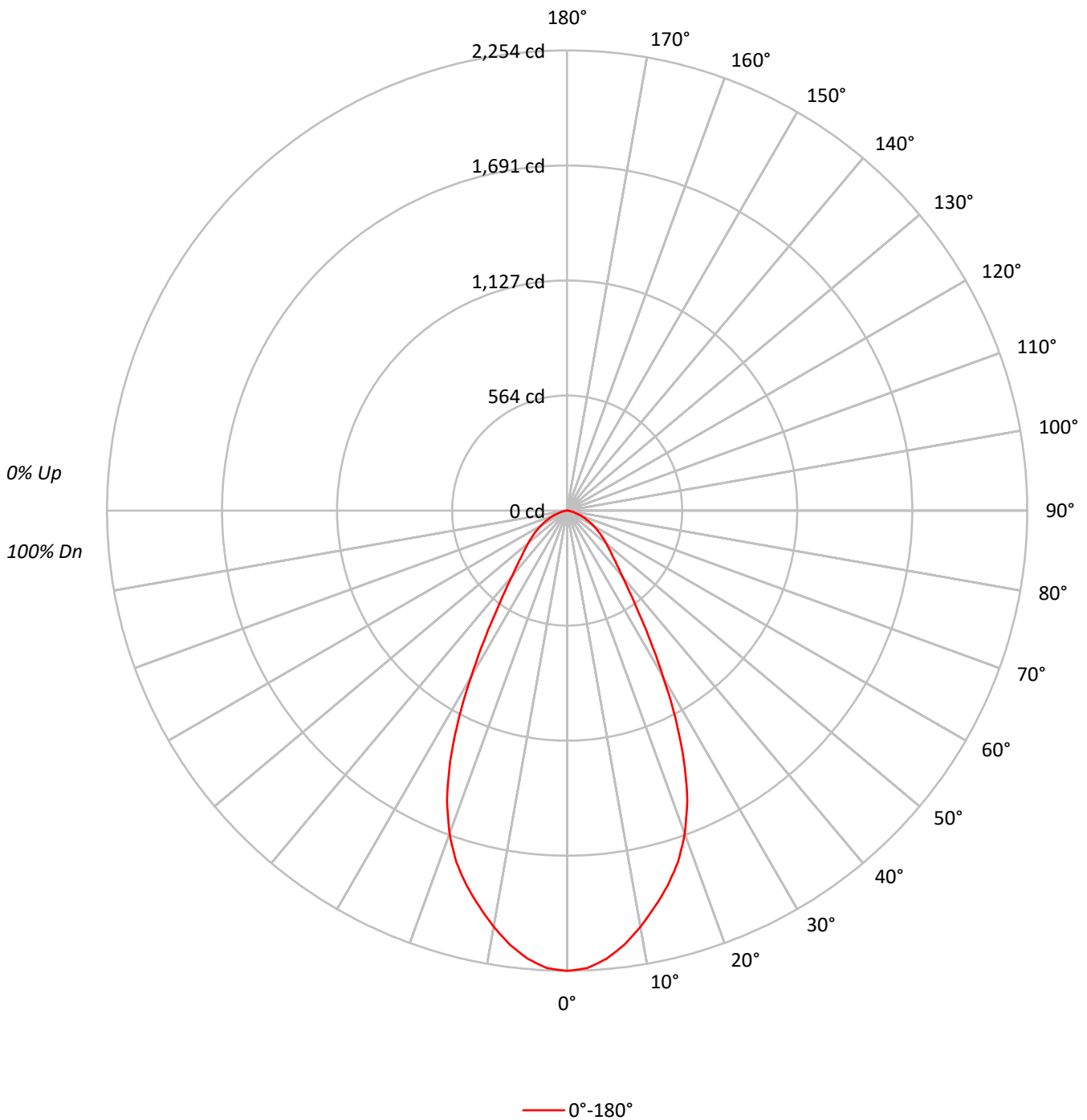
Input Watts (W): 40.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	112	109	106	103	110	107	104	101	102	100	98	99	97	95	95	94	92	91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	86	83	82
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	74
4	93	84	77	72	91	82	76	72	80	75	71	78	73	70	76	72	69	67
5	87	77	70	65	85	76	70	65	74	69	64	73	68	64	71	67	63	62
6	82	72	65	60	80	71	64	60	69	63	59	68	63	59	66	62	58	57
7	77	67	60	55	76	66	60	55	65	59	55	64	58	54	62	58	54	52
8	73	63	56	51	72	62	55	51	61	55	51	60	54	51	59	54	50	49
9	70	59	52	48	68	58	52	48	57	51	47	56	51	47	55	51	47	45
10	66	55	49	45	65	55	49	44	54	48	44	53	48	44	52	48	44	43

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

	0°
0°	161412
5°	158435
10°	150502
15°	140946
20°	128331
25°	107050
30°	77627
35°	53407
40°	39267
45°	31867
50°	27726
55°	24492
60°	21309
65°	18078
70°	14613
75°	10568
80°	7051
85°	7558



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	206.1	8.9
10°-20°	531.1	22.9
20°-30°	609.5	26.2
30°-40°	394.4	17.0
40°-50°	247.8	10.7
50°-60°	176.3	7.6
60°-70°	106.3	4.6
70°-80°	42.3	1.8
80°-90°	9.1	0.4
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°	1346.7	58.0
0°-40°	1741.1	74.9
0°-60°	2165.3	93.2
0°-90°	2323.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2323.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2254	
5°	2204	206
15°	1901	531
25°	1355	609
35°	611	394
45°	315	248
55°	196	176
65°	107	106
75°	38	42
85°	9	9
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2254.3
2.5°	2243.8
5°	2204.3
7.5°	2145.0
10°	2070.0
12.5°	1987.0
15°	1901.4
17.5°	1805.3
20°	1684.2
22.5°	1538.0
25°	1355.0
27.5°	1150.9
30°	938.9
32.5°	759.8
35°	611.0
37.5°	501.7
40°	420.1
42.5°	360.8
45°	314.7
47.5°	279.2
50°	248.9
52.5°	222.5
55°	196.2
57.5°	172.5
60°	148.8
62.5°	127.7
65°	106.7
67.5°	86.9
70°	69.8
72.5°	52.7
75°	38.2
77.5°	26.3
80°	17.1
82.5°	10.5
85°	9.2
87.5°	5.3
90°	0.0

(END OF REPORT)