

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: P364885

Luminaire Tested: **FLD6BX40D010-FEU6B35-8050-F6LBXVM1-LI-BTR89BI**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P364885  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-22)  
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-LI-BTR89BI  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM ACRYLIC, CLEAR RFI 0.125", 4000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3188.0 lumens  
Efficiency: N/A  
Efficacy: 78.5 lumens/watt  
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.77  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

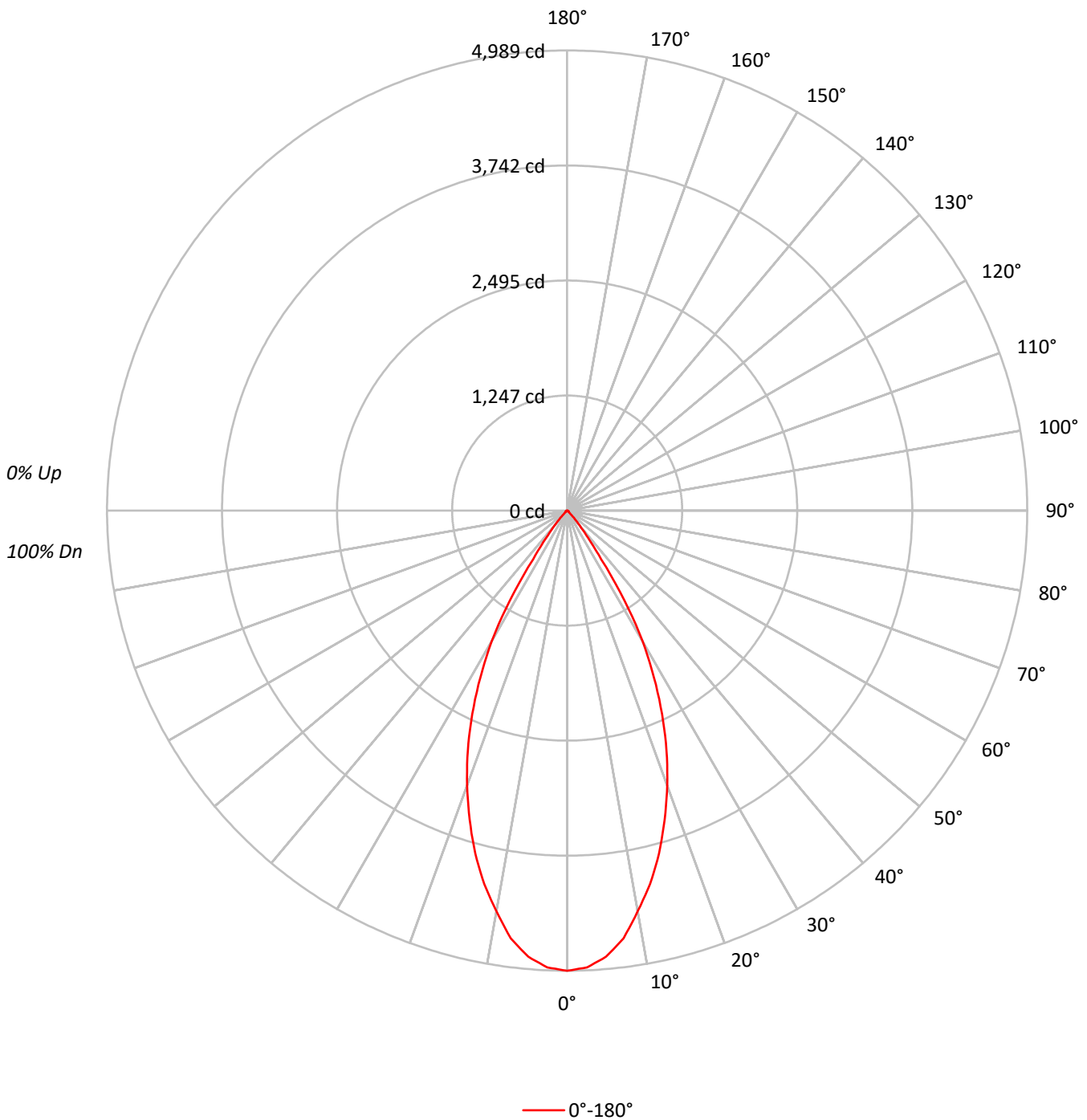
Input Watts (W): 40.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	107	102	99	96	99	96	94		96	94	92		94	92	90	89
3	104	98	93	90	102	97	92	89	94	90	87		92	89	86		89	87	85	83
4	99	92	87	83	97	91	86	83	89	85	82		87	84	81		85	82	80	79
5	95	87	82	78	93	86	81	77	84	80	77		83	79	76		81	78	75	74
6	91	82	77	73	89	82	76	73	80	76	72		79	75	72		78	74	71	70
7	87	78	73	69	85	77	72	69	76	72	68		75	71	68		74	70	68	66
8	83	74	69	65	82	74	68	65	73	68	65		72	67	64		71	67	64	63
9	79	71	65	62	78	70	65	61	69	65	61		68	64	61		68	64	61	60
10	76	67	62	58	75	67	62	58	66	61	58		65	61	58		65	61	58	57

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

	0°
0°	357222
5°	348919
10°	320701
15°	285414
20°	241751
25°	192240
30°	135163
35°	56405
40°	19479
45°	5033
50°	2551
55°	2347
60°	2306
65°	2270
70°	2261
75°	2988
80°	3340
85°	5504



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	449.4	14.1
10°-20°	1066.6	33.5
20°-30°	1100.6	34.5
30°-40°	468.1	14.7
40°-50°	56.2	1.8
50°-60°	17.0	0.5
60°-70°	13.3	0.4
70°-80°	10.7	0.3
80°-90°	6.2	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°	2616.5	82.1
0°-40°	3084.6	96.8
0°-60°	3157.8	99.1
0°-90°	3188.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3188.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4989	
5°	4854	449
15°	3850	1067
25°	2433	1101
35°	645	468
45°	50	56
55°	19	17
65°	13	13
75°	11	11
85°	7	6
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4989.0
2.5°	4956.7
5°	4854.5
7.5°	4677.1
10°	4410.9
12.5°	4148.7
15°	3850.3
17.5°	3514.2
20°	3172.7
22.5°	2816.5
25°	2433.3
27.5°	2038.1
30°	1634.8
32.5°	1158.8
35°	645.3
37.5°	371.0
40°	208.4
42.5°	107.5
45°	49.7
47.5°	26.9
50°	22.9
52.5°	20.2
55°	18.8
57.5°	17.5
60°	16.1
62.5°	14.8
65°	13.4
67.5°	12.1
70°	10.8
72.5°	10.8
75°	10.8
77.5°	9.4
80°	8.1
82.5°	8.1
85°	6.7
87.5°	4.0
90°	0.0

(END OF REPORT)