

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: P364849

Luminaire Tested: **FLD6BX40D010-FEU6B35-8035-F6LBXVM1-LI-BTR89BI**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P364849  
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-FEU6B35-8035-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: 3080.0 lumens  
Efficiency: N/A  
Efficacy: 75.9 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

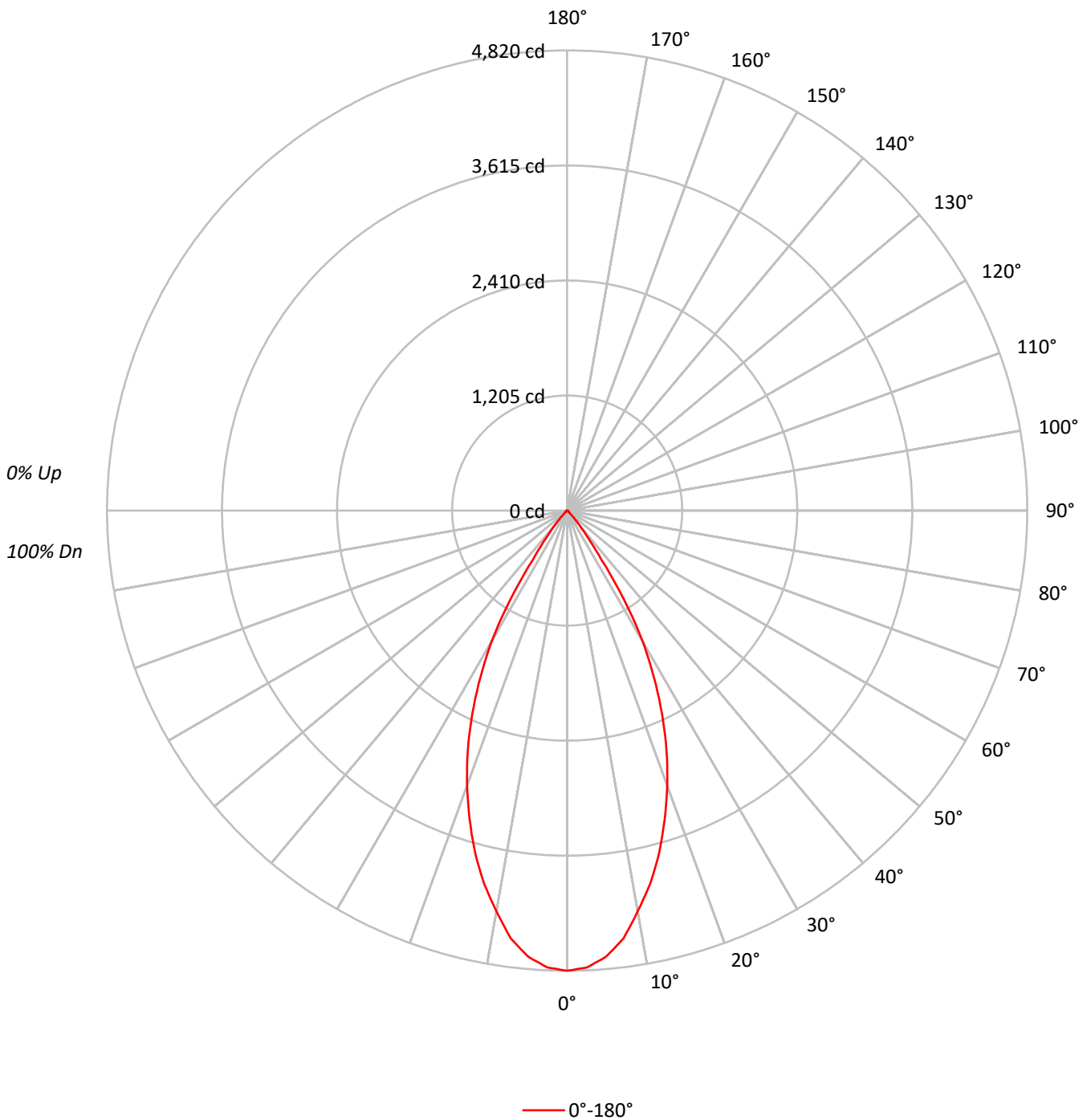
Input Watts (W): 40.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	345121
5°	337103
10°	309838
15°	275740
20°	233559
25°	185730
30°	130583
35°	54491
40°	18815
45°	4871
50°	2462
55°	2272
60°	2234
65°	2203
70°	2177
75°	2877
80°	3216
85°	5340



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	434.2	14.1
10°-20°	1030.4	33.5
20°-30°	1063.3	34.5
30°-40°	452.3	14.7
40°-50°	54.3	1.8
50°-60°	16.4	0.5
60°-70°	12.9	0.4
70°-80°	10.3	0.3
80°-90°	6.0	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°	2527.9	82.1
0°-40°	2980.1	96.8
0°-60°	3050.8	99.1
0°-90°	3080.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3080.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4820	
5°	4690	434
15°	3720	1030
25°	2351	1063
35°	623	452
45°	48	54
55°	18	16
65°	13	13
75°	10	10
85°	6	6
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4820.0
2.5°	4788.8
5°	4690.1
7.5°	4518.6
10°	4261.5
12.5°	4008.2
15°	3719.8
17.5°	3395.1
20°	3065.2
22.5°	2721.0
25°	2350.9
27.5°	1969.0
30°	1579.4
32.5°	1119.6
35°	623.4
37.5°	358.5
40°	201.3
42.5°	103.9
45°	48.1
47.5°	26.0
50°	22.1
52.5°	19.5
55°	18.2
57.5°	16.9
60°	15.6
62.5°	14.3
65°	13.0
67.5°	11.7
70°	10.4
72.5°	10.4
75°	10.4
77.5°	9.1
80°	7.8
82.5°	7.8
85°	6.5
87.5°	3.9
90°	0.0

(END OF REPORT)