

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: P364809

Luminaire Tested: **FLD6BX40D010-FEU6B35-8027-F6LBXVM1-LI-BTR84**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P364809  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-24)  
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-LI-BTR84  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM POLYCARBONATE, CLEAR 0.125", 4000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2979.0 lumens  
Efficiency: N/A  
Efficacy: 73.4 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

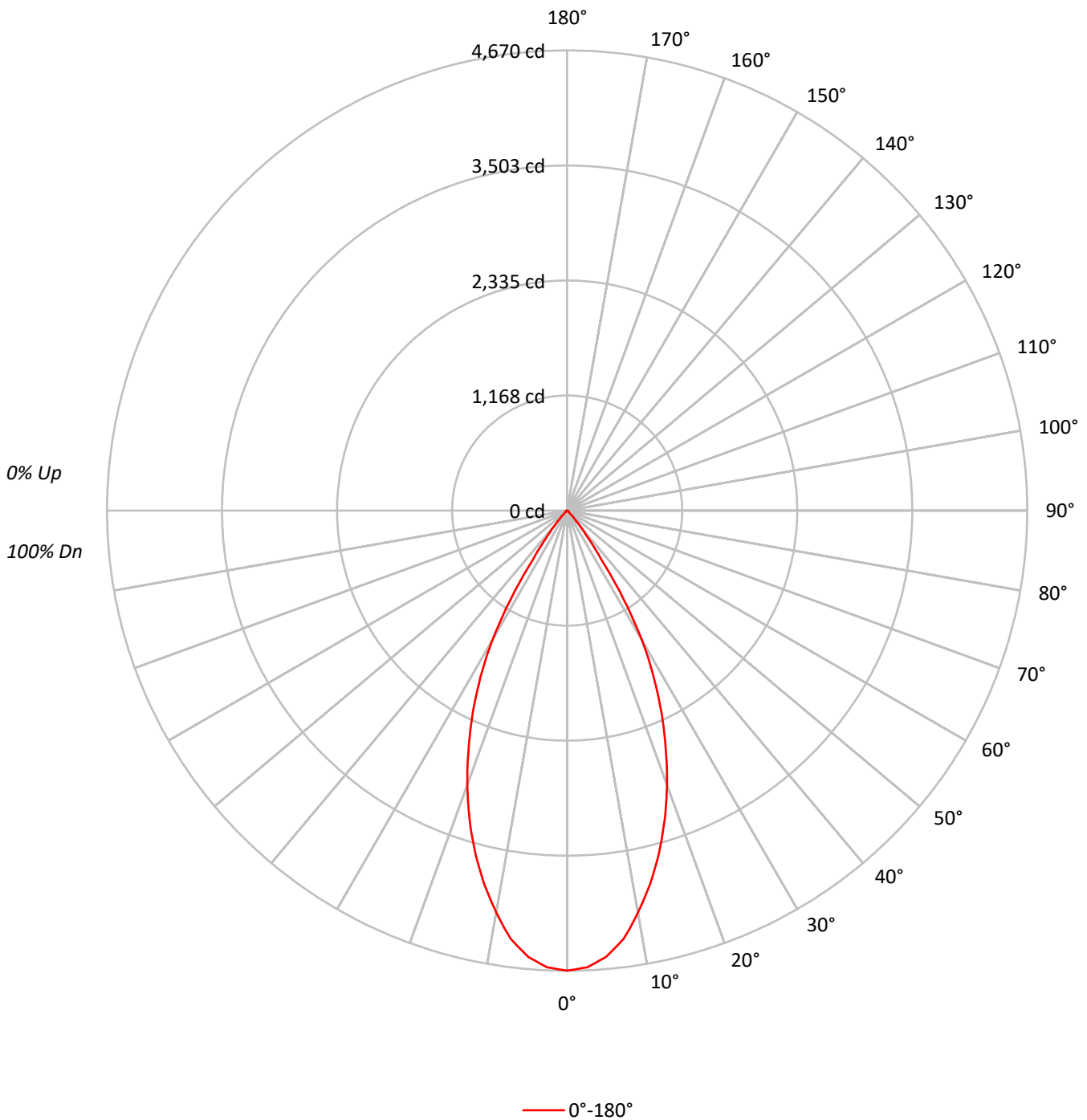
Input Watts (W): 40.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	78
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°	334352
5°	326738
10°	301215
15°	266786
20°	225871
25°	178944
30°	125754
35°	52376
40°	17974
45°	4800
50°	2640
55°	2472
60°	2263
65°	2236
70°	2198
75°	2545
80°	3257
85°	5422



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	421.3	14.1
10°-20°	998.4	33.5
20°-30°	1025.0	34.4
30°-40°	434.0	14.6
40°-50°	53.4	1.8
50°-60°	17.7	0.6
60°-70°	13.1	0.4
70°-80°	10.1	0.3
80°-90°	6.1	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°	2444.7	82.1
0°-40°	2878.7	96.6
0°-60°	2949.8	99.0
0°-90°	2979.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2979.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4670	
5°	4546	421
15°	3599	998
25°	2265	1025
35°	599	434
45°	47	53
55°	20	18
65°	13	13
75°	9	10
85°	7	6
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4669.6
2.5°	4639.4
5°	4545.9
7.5°	4385.2
10°	4142.9
12.5°	3884.8
15°	3599.0
17.5°	3292.2
20°	2964.3
22.5°	2615.3
25°	2265.0
27.5°	1902.9
30°	1521.0
32.5°	1071.9
35°	599.2
37.5°	343.7
40°	192.3
42.5°	101.4
45°	47.4
47.5°	27.7
50°	23.7
52.5°	21.1
55°	19.8
57.5°	18.4
60°	15.8
62.5°	14.5
65°	13.2
67.5°	11.9
70°	10.5
72.5°	10.5
75°	9.2
77.5°	9.2
80°	7.9
82.5°	7.9
85°	6.6
87.5°	4.0
90°	0.0

(END OF REPORT)