

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: P364866

Luminaire Tested: **FLD6BX40D010-FEU6B35-8040-F6LBXVM1-LI-BTR87**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P364866  
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-FEU6B35-8040-F6LBXVM1-LI-BTR87  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM POLYCARBONATE, CLEAR 0.375", 4000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3143.9 lumens  
Efficiency: N/A  
Efficacy: 77.4 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

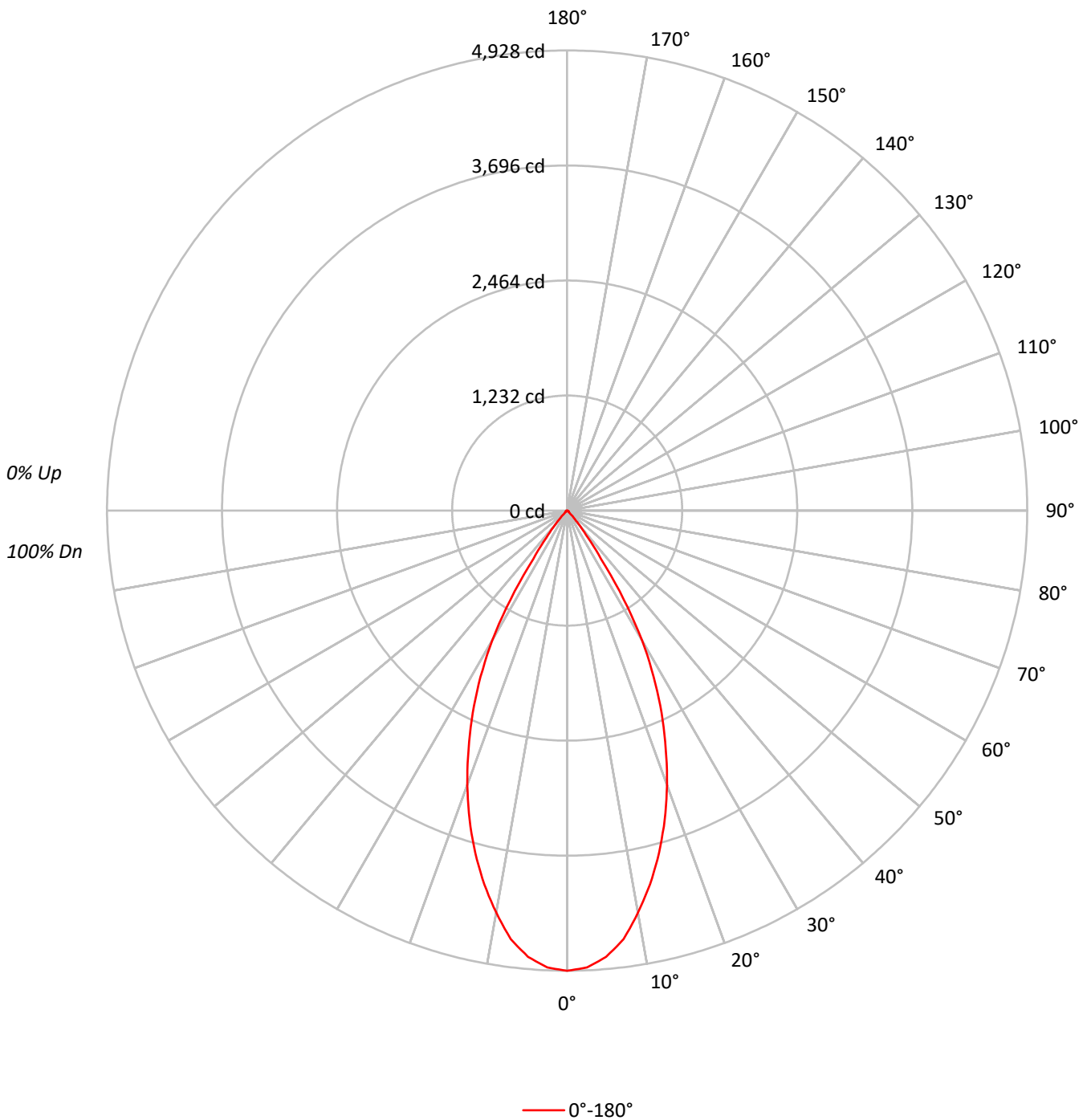
Input Watts (W): 40.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	352875
5°	344829
10°	317902
15°	281567
20°	238383
25°	188859
30°	132716
35°	55278
40°	18965
45°	5063
50°	2785
55°	2597
60°	2392
65°	2355
70°	2324
75°	2683
80°	3422
85°	5669



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	444.6	14.1
10°-20°	1053.8	33.5
20°-30°	1081.8	34.4
30°-40°	458.1	14.6
40°-50°	56.3	1.8
50°-60°	18.6	0.6
60°-70°	13.8	0.4
70°-80°	10.6	0.3
80°-90°	6.4	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°	2580.1	82.1
0°-40°	3038.2	96.6
0°-60°	3113.1	99.0
0°-90°	3143.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3143.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4928	
5°	4798	445
15°	3798	1054
25°	2390	1082
35°	632	458
45°	50	56
55°	21	19
65°	14	14
75°	10	11
85°	7	6
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4928.3
2.5°	4896.3
5°	4797.6
7.5°	4628.1
10°	4372.4
12.5°	4100.0
15°	3798.4
17.5°	3474.5
20°	3128.5
22.5°	2760.2
25°	2390.5
27.5°	2008.3
30°	1605.2
32.5°	1131.3
35°	632.4
37.5°	362.7
40°	202.9
42.5°	107.0
45°	50.0
47.5°	29.2
50°	25.0
52.5°	22.2
55°	20.8
57.5°	19.5
60°	16.7
62.5°	15.3
65°	13.9
67.5°	12.5
70°	11.1
72.5°	11.1
75°	9.7
77.5°	9.7
80°	8.3
82.5°	8.3
85°	6.9
87.5°	4.2
90°	0.0

(END OF REPORT)