

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: P364827

Luminaire Tested: **FLD6BX40D010-FEU6B35-8030-F6LBXVM1-LI-BTR84**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P364827  
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-FEU6B35-8030-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: 3114.0 lumens  
Efficiency: N/A  
Efficacy: 76.7 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

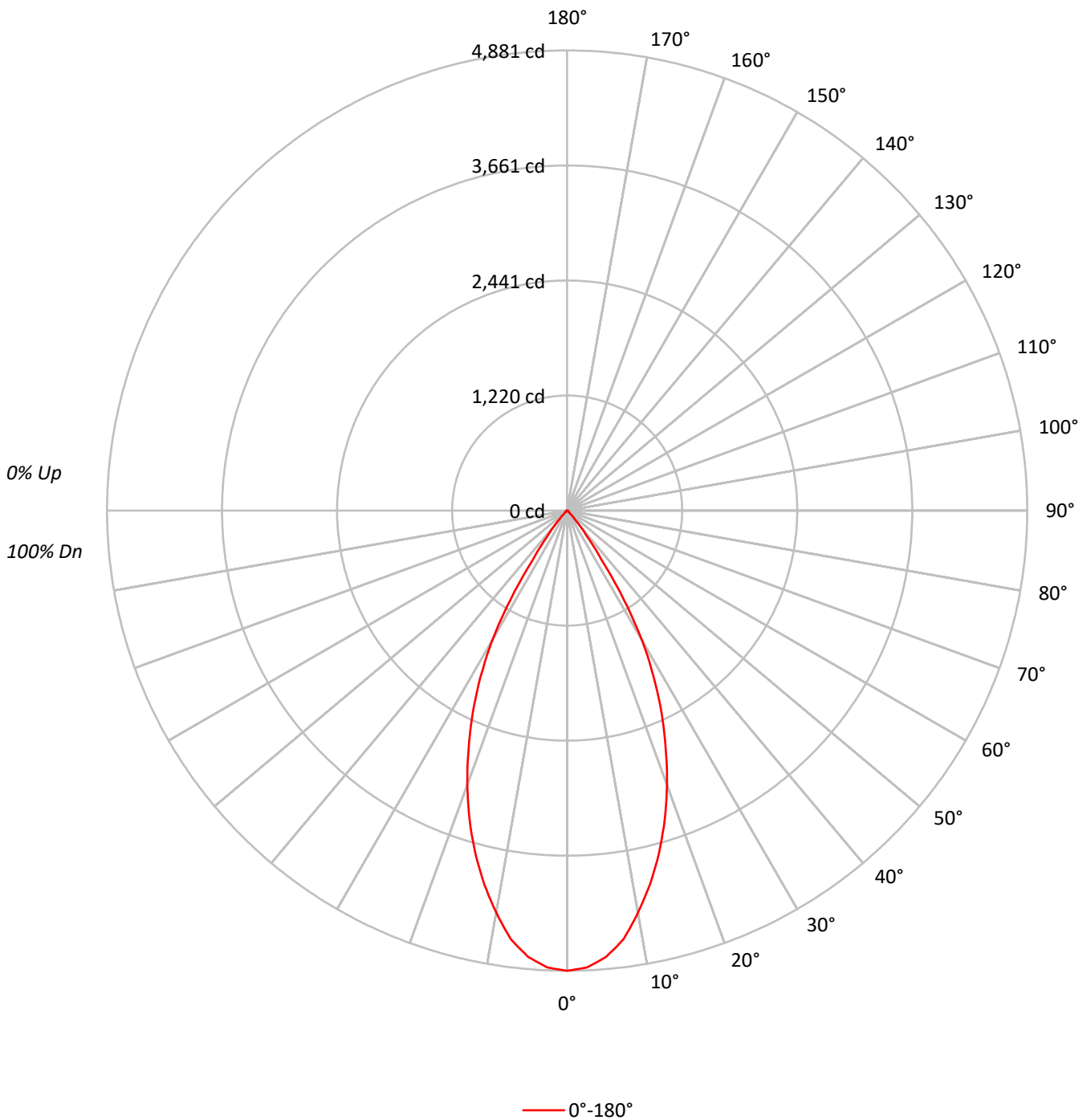
Input Watts (W): 40.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	349510
5°	341545
10°	314862
15°	278876
20°	236104
25°	187058
30°	131451
35°	54745
40°	18787
45°	5023
50°	2763
55°	2572
60°	2363
65°	2338
70°	2303
75°	2656
80°	3422
85°	5669



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	440.4	14.1
10°-20°	1043.7	33.5
20°-30°	1071.4	34.4
30°-40°	453.7	14.6
40°-50°	55.8	1.8
50°-60°	18.5	0.6
60°-70°	13.6	0.4
70°-80°	10.5	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°	2555.5	82.1
0°-40°	3009.2	96.6
0°-60°	3083.4	99.0
0°-90°	3114.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3114.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4881	
5°	4752	440
15°	3762	1044
25°	2368	1071
35°	626	454
45°	50	56
55°	21	18
65°	14	14
75°	10	11
85°	7	6
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4881.3
2.5°	4849.6
5°	4751.9
7.5°	4583.9
10°	4330.6
12.5°	4060.8
15°	3762.1
17.5°	3441.4
20°	3098.6
22.5°	2733.8
25°	2367.7
27.5°	1989.1
30°	1589.9
32.5°	1120.5
35°	626.3
37.5°	359.3
40°	201.0
42.5°	106.0
45°	49.6
47.5°	28.9
50°	24.8
52.5°	22.0
55°	20.6
57.5°	19.3
60°	16.5
62.5°	15.1
65°	13.8
67.5°	12.4
70°	11.0
72.5°	11.0
75°	9.6
77.5°	9.6
80°	8.3
82.5°	8.3
85°	6.9
87.5°	4.1
90°	0.0

(END OF REPORT)