

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: P364803

Luminaire Tested: **FLD6BX40D010-FEU6B35-8027-F6LBXVM1-LI-BL89AM**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P364803  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-44)  
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-BL89AM  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, SPECULAR CLEAR REFLECTOR,  
BOTTOM LENS POLYCARBONATE, OPAL SMOOTH 0.125", 4000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1512.0 lumens  
Efficiency: N/A  
Efficacy: 37.2 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37  
Luminous Opening: Circular (Dia: 0.71' x H: 0')  
CIE Type: Direct

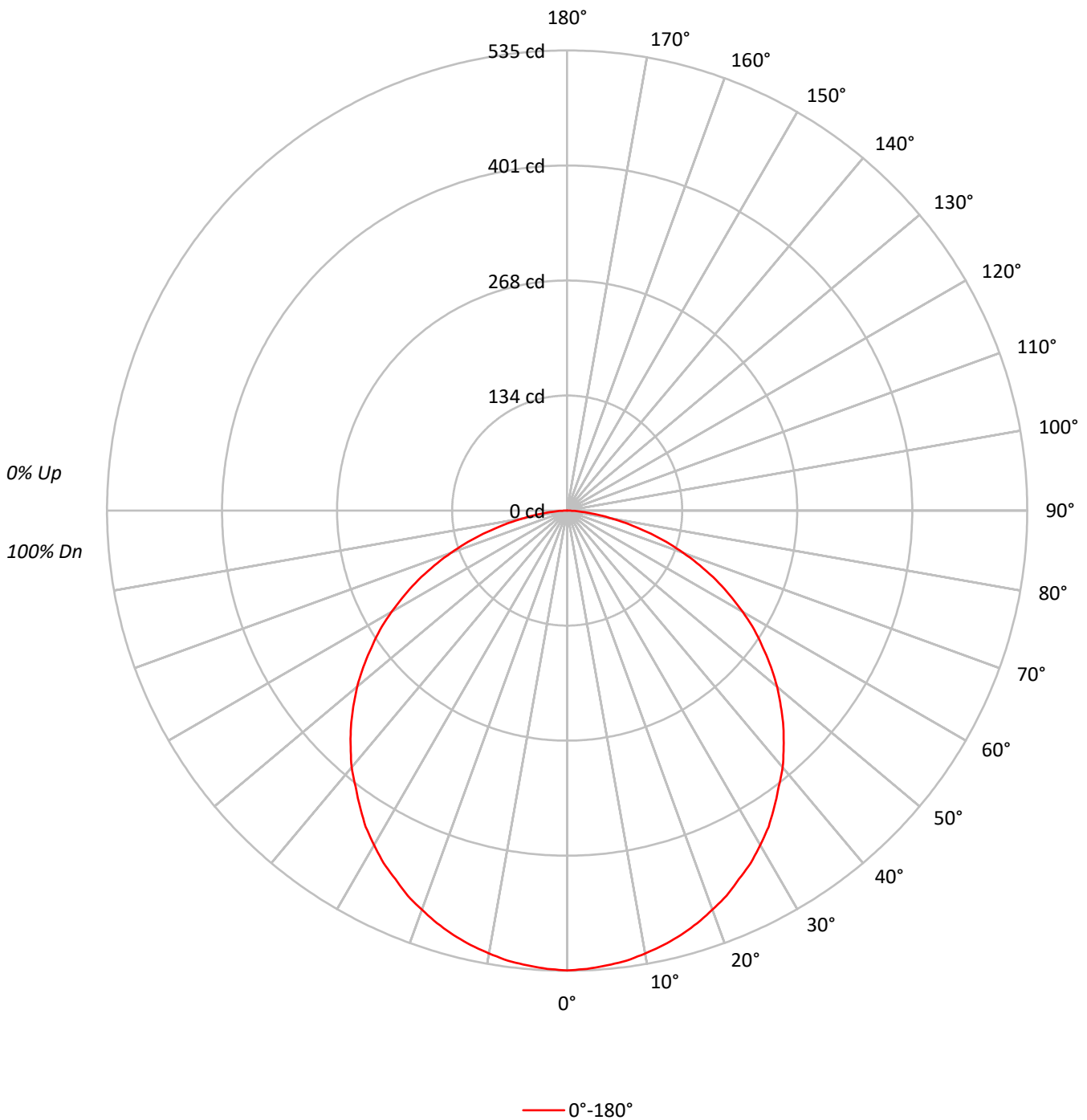
Input Watts (W): 40.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	109	104	100	96	106	102	98	94	98	94	91		94	91	89		90	88	86	84
2	99	91	84	78	96	89	83	77	85	80	75		82	78	74		79	75	72	70
3	90	80	71	65	88	78	70	64	75	68	63		72	67	62		70	65	61	59
4	82	70	62	55	80	69	61	54	67	59	54		64	58	53		62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	46		58	51	46		56	50	45	43
6	70	57	48	41	68	56	47	41	54	46	41		52	45	40		51	45	40	38
7	65	51	42	36	63	50	42	36	49	41	36		47	41	36		46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32		43	37	32		42	36	32	30
9	56	43	35	29	55	42	34	29	41	34	29		40	33	29		39	33	29	27
10	53	40	32	26	52	39	31	26	38	31	26		37	31	26		36	30	26	24

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

	0°
0°	14603
5°	14552
10°	14501
15°	14448
20°	14354
25°	14247
30°	14162
35°	14009
40°	13899
45°	13733
50°	13543
55°	13230
60°	12876
65°	12339
70°	11461
75°	10142
80°	8290
85°	5359



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	50.4	3.3
10°-20°	144.1	9.5
20°-30°	218.2	14.4
30°-40°	263.1	17.4
40°-50°	274.1	18.1
50°-60°	248.7	16.4
60°-70°	188.3	12.5
70°-80°	102.5	6.8
80°-90°	22.6	1.5
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°	412.8	27.3
0°-40°	675.8	44.7
0°-60°	1198.6	79.3
0°-90°	1512.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1512.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	535	
5°	531	50
15°	511	144
25°	473	218
35°	420	263
45°	356	274
55°	278	249
65°	191	188
75°	96	103
85°	17	23
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	534.6
2.5°	533.3
5°	530.7
7.5°	528.0
10°	522.8
12.5°	517.5
15°	510.9
17.5°	503.0
20°	493.8
22.5°	484.6
25°	472.7
27.5°	462.2
30°	449.0
32.5°	435.9
35°	420.1
37.5°	404.3
40°	389.8
42.5°	372.7
45°	355.5
47.5°	337.1
50°	318.7
52.5°	298.9
55°	277.8
57.5°	258.1
60°	235.7
62.5°	213.3
65°	190.9
67.5°	167.2
70°	143.5
72.5°	121.1
75°	96.1
77.5°	73.7
80°	52.7
82.5°	32.9
85°	17.1
87.5°	6.6
90°	0.0

(END OF REPORT)