

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: P364857

Luminaire Tested: **FLD6BX40D010-FEU6B35-8040-F6LBXVM1-LI-BL89AM**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P364857  
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-FEU6B35-8040-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: 1628.9 lumens  
Efficiency: N/A  
Efficacy: 40.1 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

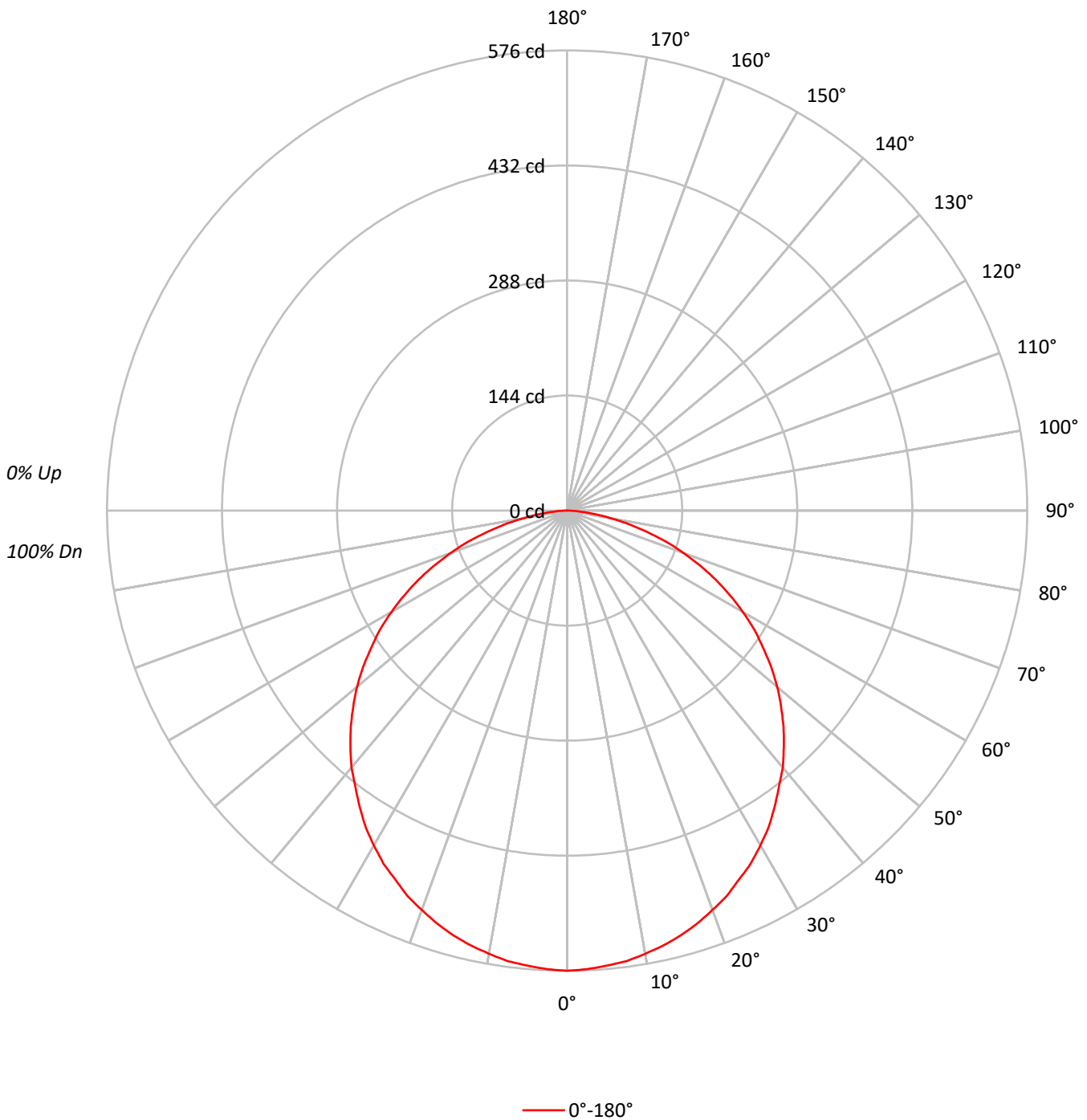
Input Watts (W): 40.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	15734
5°	15676
10°	15621
15°	15568
20°	15464
25°	15350
30°	15260
35°	15092
40°	14973
45°	14795
50°	14589
55°	14253
60°	13871
65°	13295
70°	12347
75°	10934
80°	8919
85°	5767



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	54.3	3.3
10°-20°	155.3	9.5
20°-30°	235.1	14.4
30°-40°	283.4	17.4
40°-50°	295.3	18.1
50°-60°	267.9	16.4
60°-70°	202.8	12.5
70°-80°	110.5	6.8
80°-90°	24.3	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°	444.7	27.3
0°-40°	728.1	44.7
0°-60°	1291.3	79.3
0°-90°	1628.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1628.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	576	
5°	572	54
15°	550	155
25°	509	235
35°	453	283
45°	383	295
55°	299	268
65°	206	203
75°	104	110
85°	18	24
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	576.0
2.5°	574.6
5°	571.7
7.5°	568.9
10°	563.2
12.5°	557.5
15°	550.5
17.5°	541.9
20°	532.0
22.5°	522.1
25°	509.3
27.5°	498.0
30°	483.8
32.5°	469.6
35°	452.6
37.5°	435.5
40°	419.9
42.5°	401.5
45°	383.0
47.5°	363.2
50°	343.3
52.5°	322.0
55°	299.3
57.5°	278.1
60°	253.9
62.5°	229.8
65°	205.7
67.5°	180.2
70°	154.6
72.5°	130.5
75°	103.6
77.5°	79.4
80°	56.7
82.5°	35.5
85°	18.4
87.5°	7.1
90°	0.0

(END OF REPORT)