

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: P366243

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366243  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-48)  
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-WMH-BL89AM  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, WARM HAZE REFLECTOR, BOTTOM LENS POLYCARBONATE, OPAL SMOOTH 0.125", 4000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1470.0 lumens  
Efficiency: N/A  
Efficacy: 36.2 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.38  
Luminous Opening: Circular (Dia: 0.71' x H: 0')  
CIE Type: Direct

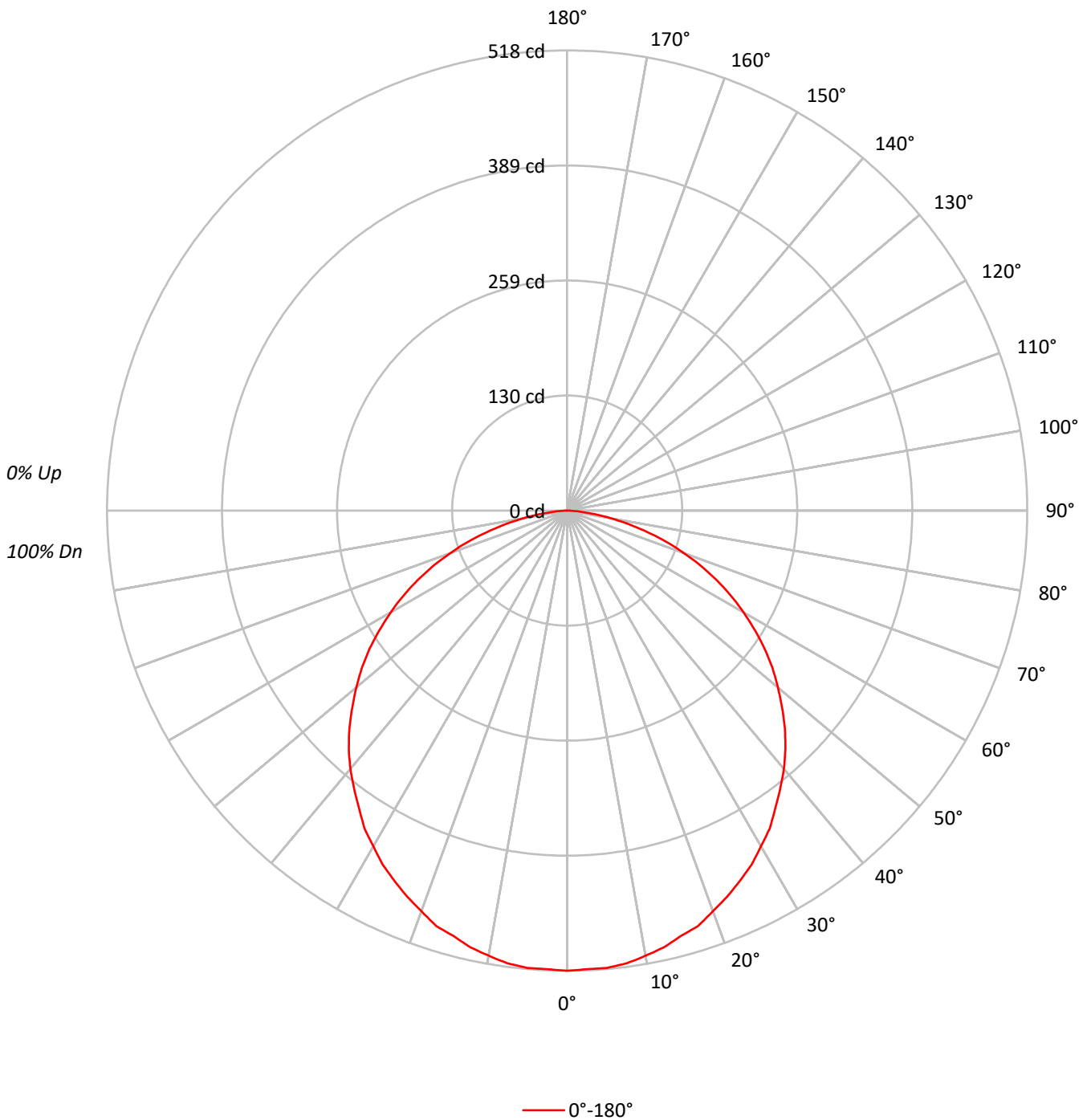
Input Watts (W): 40.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	95	98	94	92	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	69	63	72	67	62	70	65	61	59
4	83	70	62	55	80	69	61	55	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°	14149
5°	14168
10°	14112
15°	14015
20°	13947
25°	13864
30°	13761
35°	13625
40°	13536
45°	13389
50°	13161
55°	12930
60°	12527
65°	12009
70°	11157
75°	9878
80°	7881
85°	4544



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	49.1	3.3
10°-20°	140.2	9.5
20°-30°	212.1	14.4
30°-40°	256.1	17.4
40°-50°	267.1	18.2
50°-60°	242.1	16.5
60°-70°	183.6	12.5
70°-80°	99.4	6.8
80°-90°	20.4	1.4
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°	401.4	27.3
0°-40°	657.4	44.7
0°-60°	1166.6	79.4
0°-90°	1470.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1470.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	518	
5°	517	49
15°	496	140
25°	460	212
35°	409	256
45°	347	267
55°	272	242
65°	186	184
75°	94	99
85°	14	20
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	518.0
2.5°	516.7
5°	516.7
7.5°	514.0
10°	508.8
12.5°	503.5
15°	495.6
17.5°	490.3
20°	479.8
22.5°	470.5
25°	460.0
27.5°	449.5
30°	436.3
32.5°	424.4
35°	408.6
37.5°	394.1
40°	379.6
42.5°	363.8
45°	346.6
47.5°	328.2
50°	309.7
52.5°	291.3
55°	271.5
57.5°	250.4
60°	229.3
62.5°	208.3
65°	185.8
67.5°	163.4
70°	139.7
72.5°	117.3
75°	93.6
77.5°	71.2
80°	50.1
82.5°	31.6
85°	14.5
87.5°	4.0
90°	0.0

(END OF REPORT)