

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: P365073

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8027-F6LBXVM1-LI-BL89AM**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365073  
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: FLD6BX70D010TE-FEU6B67-8027-F6LBXVM1-LI-BL89AM  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, SPECULAR CLEAR REFLECTOR,  
BOTTOM LENS POLYCARBONATE, OPAL SMOOTH 0.125", 7000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2577.0 lumens  
Efficiency: N/A  
Efficacy: 35.1 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

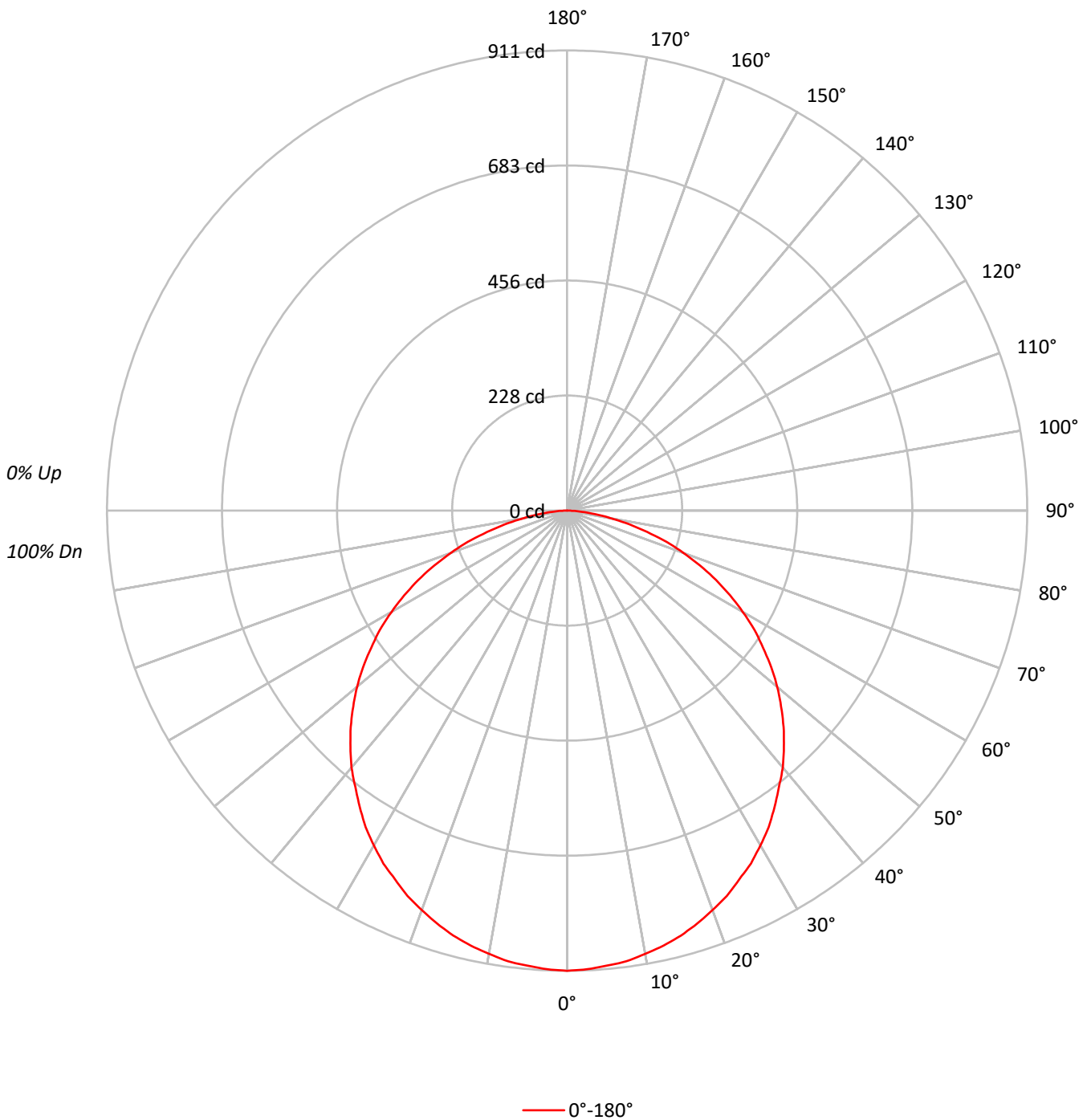
Input Watts (W): 73.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	24890
5°	24801
10°	24713
15°	24625
20°	24464
25°	24283
30°	24138
35°	23872
40°	23687
45°	23410
50°	23079
55°	22549
60°	21945
65°	21032
70°	19535
75°	17287
80°	14126
85°	9151



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	86.0	3.3
10°-20°	245.6	9.5
20°-30°	371.9	14.4
30°-40°	448.3	17.4
40°-50°	467.1	18.1
50°-60°	423.9	16.4
60°-70°	320.9	12.5
70°-80°	174.8	6.8
80°-90°	38.4	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°	703.5	27.3
0°-40°	1151.8	44.7
0°-60°	2042.8	79.3
0°-90°	2577.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2577.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	911	
5°	904	86
15°	871	246
25°	806	372
35°	716	448
45°	606	467
55°	474	424
65°	325	321
75°	164	175
85°	29	38
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	911.2
2.5°	908.9
5°	904.5
7.5°	900.0
10°	891.0
12.5°	882.0
15°	870.8
17.5°	857.3
20°	841.6
22.5°	825.9
25°	805.7
27.5°	787.7
30°	765.3
32.5°	742.9
35°	715.9
37.5°	689.0
40°	664.3
42.5°	635.1
45°	606.0
47.5°	574.5
50°	543.1
52.5°	509.5
55°	473.5
57.5°	439.9
60°	401.7
62.5°	363.6
65°	325.4
67.5°	285.0
70°	244.6
72.5°	206.5
75°	163.8
77.5°	125.7
80°	89.8
82.5°	56.1
85°	29.2
87.5°	11.2
90°	0.0

(END OF REPORT)