

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: P365842

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8035-F6LBXVM1-MW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365842  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX70D010TE-FEU6B67-8035-F6LBXVM1-MW  
Description: VANDAL RESISTANT OPEN, MATTE WHITE REFLECTOR, 7000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6153.9 lumens  
Efficiency: N/A  
Efficacy: 83.8 lumens/watt  
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.94  
Luminous Opening: Circular (Dia: 0.71' x H: 0')  
CIE Type: Direct

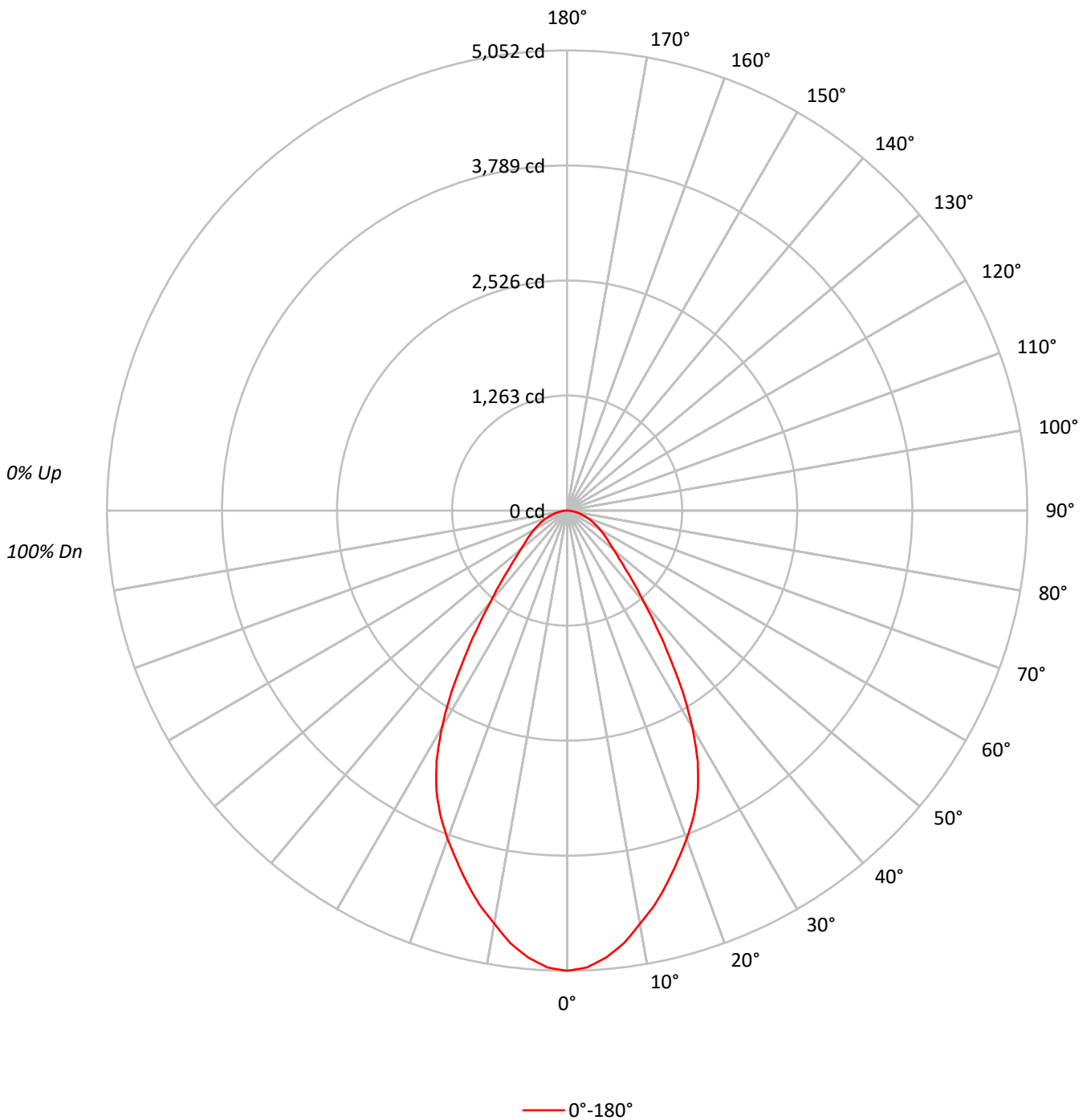
Input Watts (W): 73.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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					100			
1	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	89					89			
2	104	98	93	88	102	96	91	87	93	89	85	89	86	83	87	84	82	80					80			
3	97	89	83	78	95	88	82	77	85	80	76	82	78	74	80	76	73	71					71			
4	91	81	75	69	89	80	74	69	78	72	68	76	71	67	74	70	66	64					64			
5	85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60	59					59			
6	80	69	62	57	78	68	61	56	67	61	56	65	60	56	64	59	55	54					54			
7	75	64	57	52	74	63	57	52	62	56	51	61	55	51	60	55	51	49					49			
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45					45			
9	67	56	49	44	66	55	49	44	54	48	44	53	48	44	52	47	44	42					42			
10	64	52	46	41	63	52	45	41	51	45	41	50	45	41	49	44	41	39					39			

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

	0°
0°	137999
5°	135022
10°	127741
15°	119829
20°	111480
25°	102331
30°	86716
35°	65134
40°	46740
45°	34964
50°	28174
55°	25002
60°	22721
65°	20818
70°	19056
75°	17445
80°	15557
85°	12818



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	460.0	7.5
10°-20°	1188.0	19.3
20°-30°	1538.6	25.0
30°-40°	1231.6	20.0
40°-50°	718.2	11.7
50°-60°	473.3	7.7
60°-70°	321.2	5.2
70°-80°	175.7	2.9
80°-90°	47.3	0.8
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°	3186.7	51.8
0°-40°	4418.2	71.8
0°-60°	5609.8	91.2
0°-90°	6153.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6153.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5052	
5°	4924	460
15°	4237	1188
25°	3395	1539
35°	1953	1232
45°	905	718
55°	525	473
65°	322	321
75°	165	176
85°	41	47
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	5052.1
2.5°	5019.7
5°	4924.3
7.5°	4787.9
10°	4605.5
12.5°	4435.1
15°	4237.4
17.5°	4031.1
20°	3835.1
22.5°	3630.6
25°	3395.3
27.5°	3103.9
30°	2749.3
32.5°	2365.8
35°	1953.3
37.5°	1607.3
40°	1310.8
42.5°	1085.8
45°	905.1
47.5°	767.0
50°	663.0
52.5°	584.6
55°	525.0
57.5°	470.4
60°	415.9
62.5°	368.2
65°	322.1
67.5°	281.2
70°	238.6
72.5°	201.1
75°	165.3
77.5°	131.2
80°	98.9
82.5°	68.2
85°	40.9
87.5°	15.3
90°	0.0

(END OF REPORT)