

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: P366569

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8040-F6LBXVM1-WMH-BL89BW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366569  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-46)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX70D010TE-FEU6B67-8040-F6LBXVM1-WMH-BL89BW  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, WARM HAZE REFLECTOR, BOTTOM LENS ACRYLIC OPAL SMOOTH, CLEAR 0.125", 7000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4879.0 lumens  
Efficiency: N/A  
Efficacy: 66.5 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.36  
Luminous Opening: Circular (Dia: 0.71' x H: 0')  
CIE Type: Direct

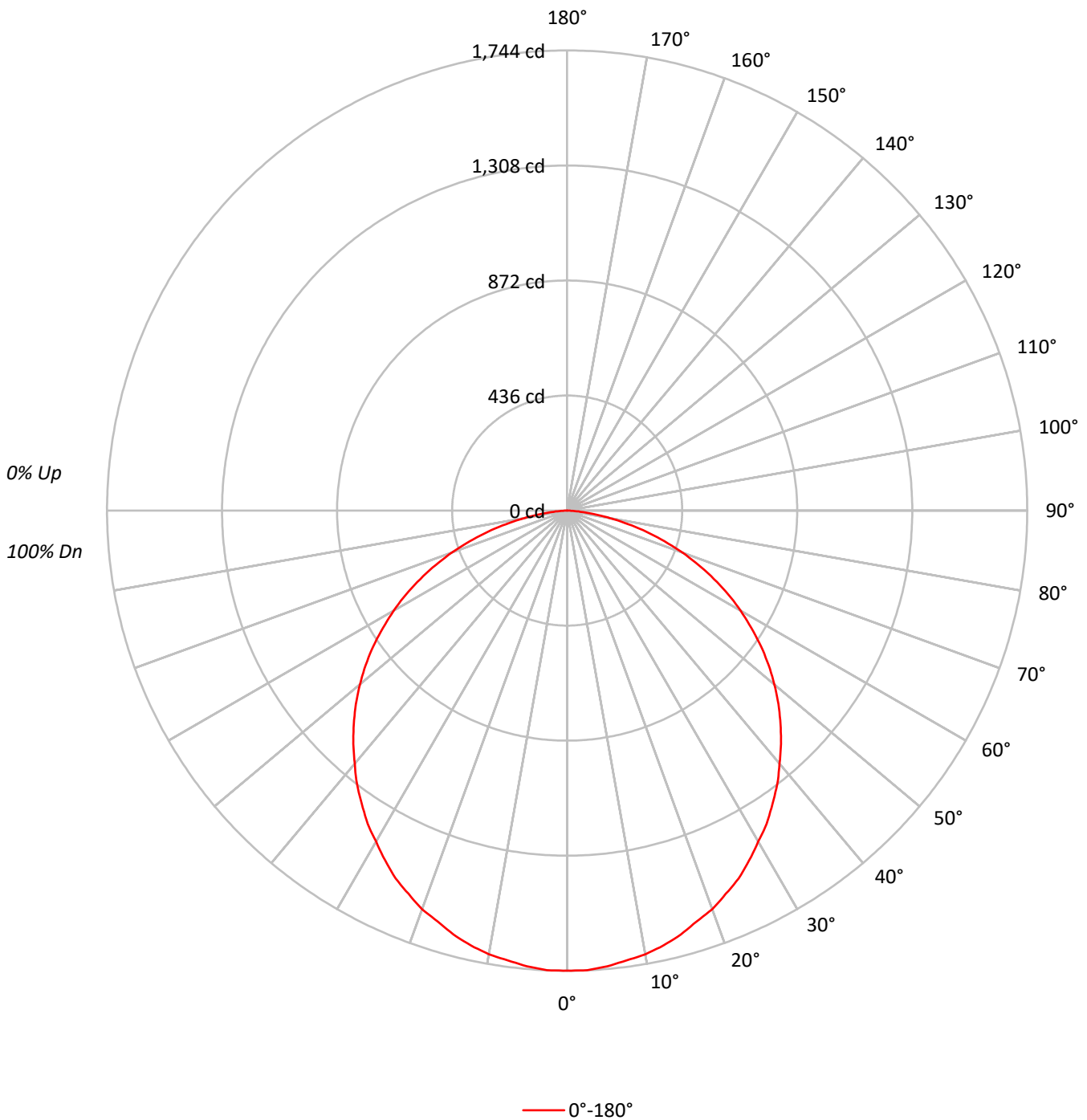
Input Watts (W): 73.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	95	98	94	92		94	91	89		90	88	86	84
2	99	91	84	78	96	89	83	77	85	80	76		82	78	74		79	75	72	70
3	90	80	72	65	88	78	71	64	75	69	63		72	67	62		70	65	61	59
4	83	71	62	55	80	69	61	55	67	60	54		64	58	53		62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	47		58	51	46		56	50	46	43
6	70	57	48	41	68	56	47	41	54	46	41		52	45	40		51	45	40	38
7	65	51	43	36	63	51	42	36	49	41	36		48	41	36		46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32		44	37	32		42	36	32	30
9	56	43	35	29	55	42	35	29	41	34	29		40	34	29		39	33	29	27
10	53	40	32	26	52	39	32	26	38	31	26		37	31	26		36	30	26	24

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

	0°
0°	47627
5°	47546
10°	47358
15°	47050
20°	46748
25°	46357
30°	45690
35°	45240
40°	44668
45°	44188
50°	43574
55°	42727
60°	41486
65°	39704
70°	37081
75°	32928
80°	26254
85°	15921



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	164.6	3.4
10°-20°	469.2	9.6
20°-30°	707.6	14.5
30°-40°	849.3	17.4
40°-50°	882.1	18.1
50°-60°	800.5	16.4
60°-70°	607.3	12.4
70°-80°	329.8	6.8
80°-90°	68.7	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°	1341.3	27.5
0°-40°	2190.6	44.9
0°-60°	3873.2	79.4
0°-90°	4879.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4879.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1744	
5°	1734	165
15°	1664	469
25°	1538	708
35°	1357	849
45°	1144	882
55°	897	800
65°	614	607
75°	312	330
85°	51	69
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1743.6
2.5°	1743.6
5°	1734.0
7.5°	1719.5
10°	1707.4
12.5°	1688.0
15°	1663.8
17.5°	1632.4
20°	1608.2
22.5°	1571.9
25°	1538.1
27.5°	1494.6
30°	1448.6
32.5°	1407.5
35°	1356.7
37.5°	1308.3
40°	1252.7
42.5°	1199.5
45°	1143.9
47.5°	1085.8
50°	1025.4
52.5°	962.5
55°	897.2
57.5°	827.1
60°	759.4
62.5°	689.2
65°	614.3
67.5°	539.3
70°	464.3
72.5°	386.9
75°	312.0
77.5°	237.0
80°	166.9
82.5°	104.0
85°	50.8
87.5°	14.5
90°	0.0

(END OF REPORT)