

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: P365131

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8040-F6LBXVM1-LI-BTR81**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365131  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-25)  
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-LI-BTR81  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.156", 7000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5334.0 lumens  
Efficiency: N/A  
Efficacy: 72.7 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.19  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

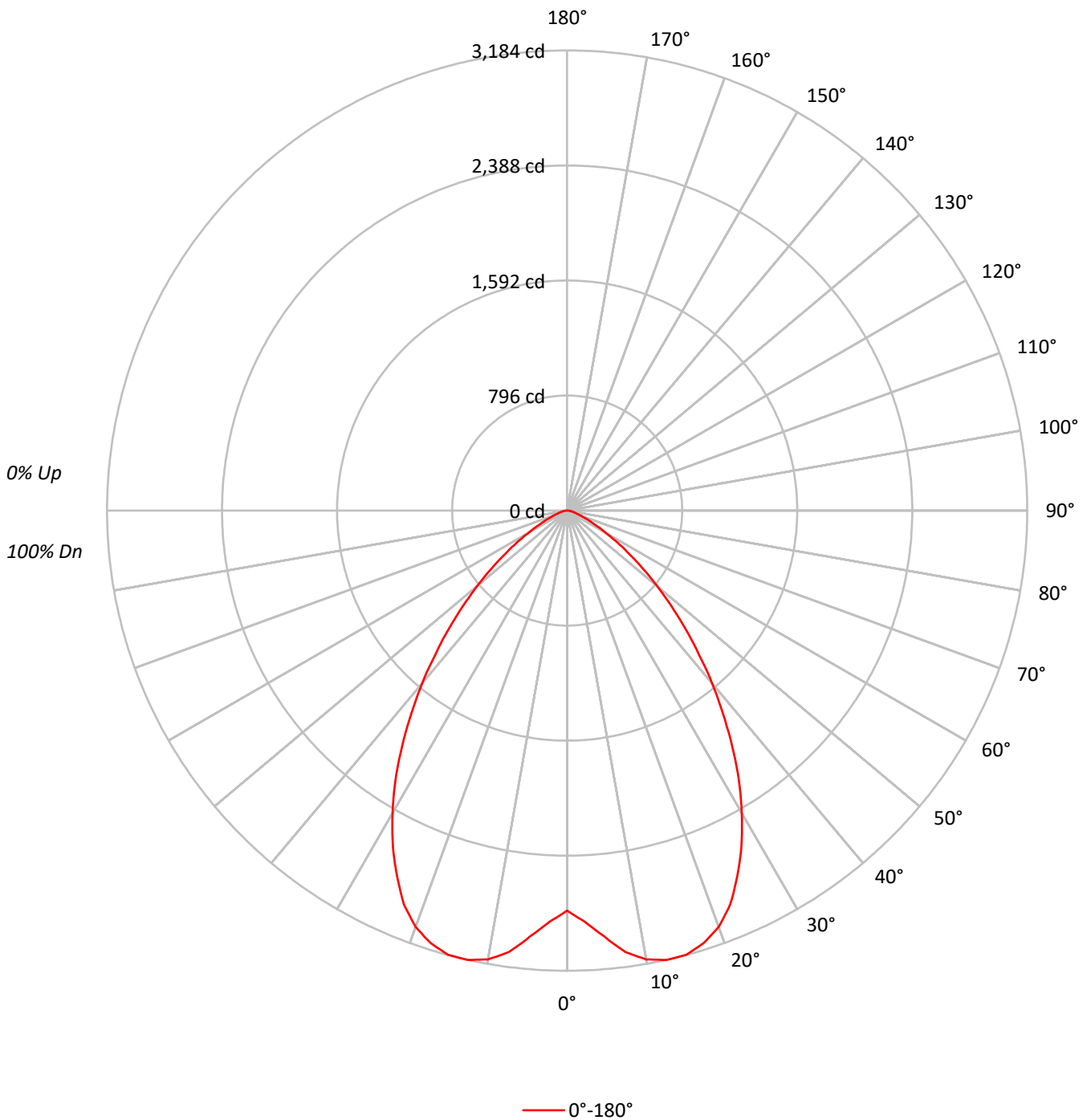
Input Watts (W): 73.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	112	108	105	102	109	106	103	101	102	100	98		98	96	95		95	93	92	90
2	104	98	93	89	102	96	92	88	93	89	86		90	87	84		87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76		82	78	75		80	76	73	72
4	91	81	74	69	89	80	73	68	78	72	68		75	71	67		73	69	66	64
5	85	74	67	61	83	73	66	61	71	65	61		69	64	60		68	63	59	58
6	79	68	61	55	77	67	60	55	66	59	55		64	59	54		63	58	54	52
7	74	63	55	50	73	62	55	50	61	54	50		59	54	49		58	53	49	47
8	70	58	51	46	68	57	50	46	56	50	45		55	49	45		54	49	45	43
9	65	54	47	42	64	53	46	42	52	46	42		51	46	41		50	45	41	40
10	62	50	43	39	61	50	43	38	49	43	38		48	42	38		47	42	38	37

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

	0°
0°	198237
5°	212730
10°	229251
15°	235882
20°	233628
25°	220263
30°	199719
35°	174164
40°	145999
45°	117533
50°	90507
55°	65800
60°	44665
65°	29497
70°	19239
75°	14718
80°	12947
85°	15856



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	289.0	5.4
10°-20°	892.7	16.7
20°-30°	1274.7	23.9
30°-40°	1240.1	23.2
40°-50°	897.1	16.8
50°-60°	480.8	9.0
60°-70°	181.3	3.4
70°-80°	59.6	1.1
80°-90°	18.8	0.4
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°	2456.4	46.1
0°-40°	3696.5	69.3
0°-60°	5074.4	95.1
0°-90°	5334.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5334.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2769	
5°	2960	289
15°	3182	893
25°	2788	1275
35°	1992	1240
45°	1161	897
55°	527	481
65°	174	181
75°	53	60
85°	19	19
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2768.6
2.5°	2848.4
5°	2959.7
7.5°	3080.6
10°	3153.1
12.5°	3184.5
15°	3182.1
17.5°	3138.6
20°	3066.1
22.5°	2950.0
25°	2788.0
27.5°	2613.9
30°	2415.6
32.5°	2212.5
35°	1992.5
37.5°	1770.0
40°	1562.0
42.5°	1349.3
45°	1160.7
47.5°	976.9
50°	812.5
52.5°	660.1
55°	527.1
57.5°	413.5
60°	311.9
62.5°	234.5
65°	174.1
67.5°	125.7
70°	91.9
72.5°	70.1
75°	53.2
77.5°	41.1
80°	31.4
82.5°	24.2
85°	19.3
87.5°	9.7
90°	0.0

(END OF REPORT)