

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: P365846

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8040-F6LBXVM1-MW-BL87**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365846  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-39)  
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-MW-BL87  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.375", 7000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5256.0 lumens  
Efficiency: N/A  
Efficacy: 71.6 lumens/watt  
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.95  
Luminous Opening: Circular (Dia: 0.71' x H: 0')  
CIE Type: Direct

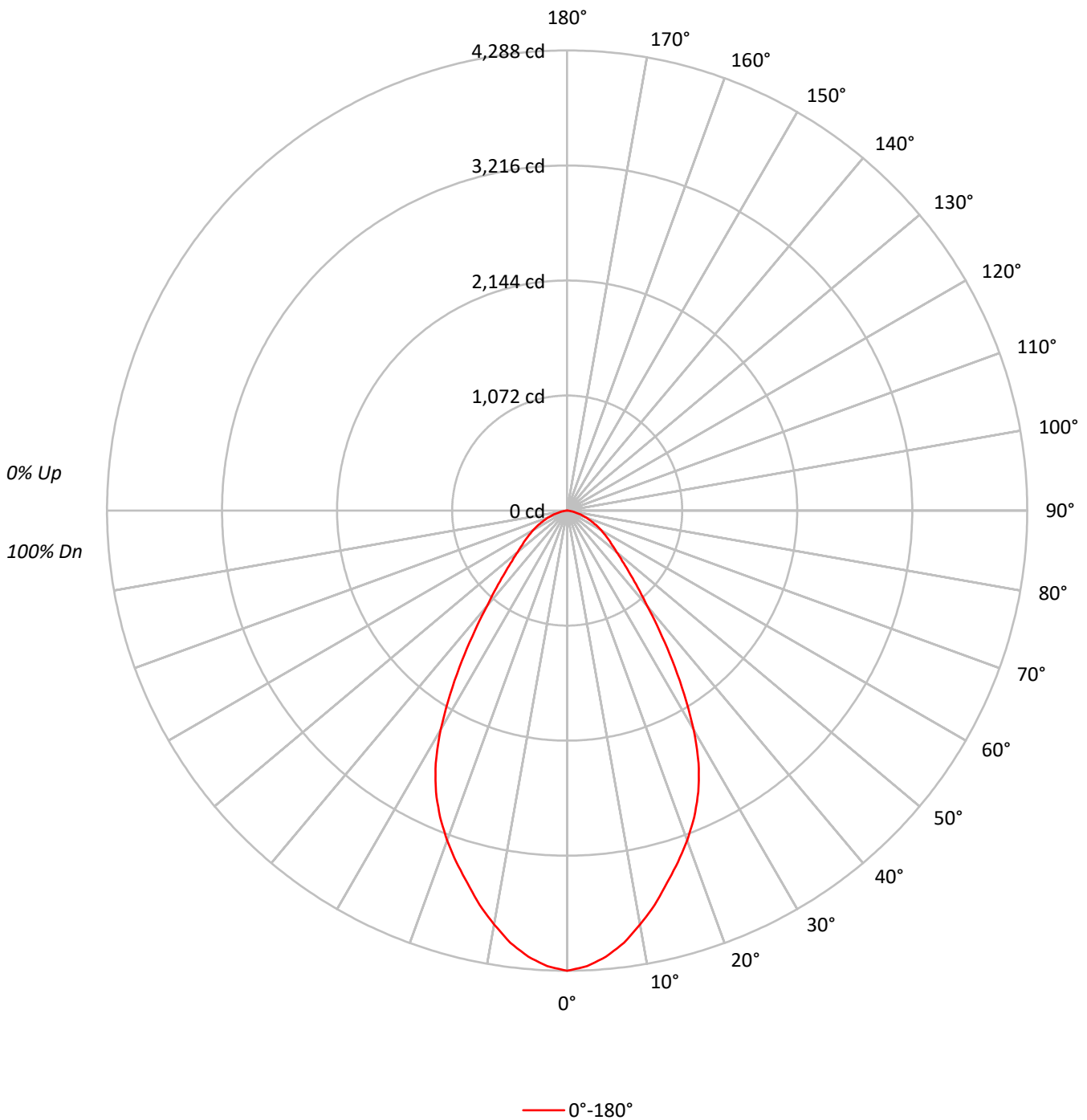
Input Watts (W): 73.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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	98	89	83	78	95	88	82	78	85	80	76	83	78	75	80	77	74	72
4	91	82	75	70	89	81	74	69	78	73	68	76	71	68	74	70	67	65
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	59
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	54
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49
8	71	60	53	48	70	59	53	48	58	52	48	57	51	47	56	51	47	46
9	67	56	49	44	66	55	49	44	54	48	44	53	48	44	52	47	44	42
10	64	52	46	41	63	52	46	41	51	45	41	50	45	41	49	44	41	39

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

	0°
0°	117125
5°	114389
10°	108603
15°	101561
20°	95045
25°	87177
30°	74374
35°	56935
40°	41395
45°	31576
50°	25590
55°	22459
60°	19951
65°	17348
70°	14679
75°	11483
80°	7613
85°	3040



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	390.2	7.4
10°-20°	1009.9	19.2
20°-30°	1313.1	25.0
30°-40°	1070.1	20.4
40°-50°	646.1	12.3
50°-60°	424.4	8.1
60°-70°	268.0	5.1
70°-80°	117.2	2.2
80°-90°	17.1	0.3
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°	2713.2	51.6
0°-40°	3783.3	72.0
0°-60°	4853.8	92.3
0°-90°	5256.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5256.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4288	
5°	4172	390
15°	3591	1010
25°	2892	1313
35°	1707	1070
45°	817	646
55°	472	424
65°	268	268
75°	109	117
85°	10	17
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4287.9
2.5°	4249.2
5°	4171.8
7.5°	4060.6
10°	3915.5
12.5°	3765.5
15°	3591.4
17.5°	3434.2
20°	3269.7
22.5°	3093.2
25°	2892.5
27.5°	2653.0
30°	2358.0
32.5°	2029.1
35°	1707.4
37.5°	1412.4
40°	1160.9
42.5°	972.2
45°	817.4
47.5°	696.5
50°	602.2
52.5°	529.6
55°	471.6
57.5°	416.0
60°	365.2
62.5°	316.8
65°	268.4
67.5°	224.9
70°	183.8
72.5°	145.1
75°	108.8
77.5°	75.0
80°	48.4
82.5°	26.6
85°	9.7
87.5°	2.4
90°	0.0

(END OF REPORT)