

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: P365845

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8040-F6LBXVM1-MW-BL86**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365845  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-38)  
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-BL86  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.250", 7000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5479.0 lumens  
Efficiency: N/A  
Efficacy: 74.6 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

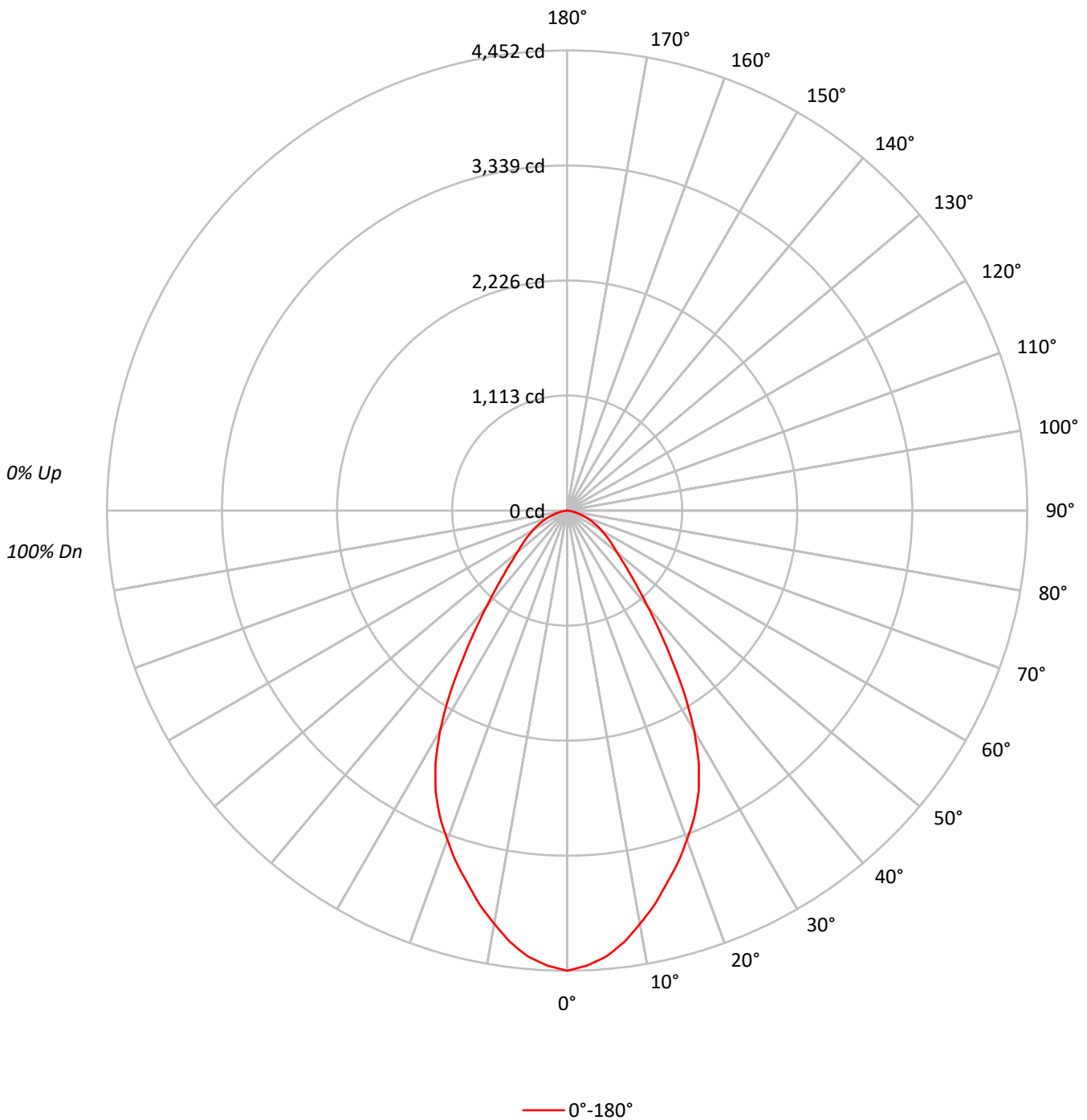
Input Watts (W): 73.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	97	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	83	78	75	80	77	74	72
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	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	78	68	62	57	67	61	56	65	60	56	64	59	55	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	52	48	58	52	47	57	51	47	56	51	47	45
9	67	56	49	44	66	55	49	44	54	48	44	53	48	44	52	47	44	42
10	64	52	46	41	62	52	45	41	51	45	41	50	45	41	49	44	41	39

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

	0°
0°	121602
5°	118749
10°	112611
15°	105443
20°	98478
25°	90661
30°	77490
35°	58942
40°	43199
45°	32882
50°	26819
55°	23607
60°	21005
65°	18440
70°	15645
75°	12253
80°	8368
85°	3792



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	404.8	7.4
10°-20°	1048.1	19.1
20°-30°	1364.6	24.9
30°-40°	1113.7	20.3
40°-50°	673.3	12.3
50°-60°	445.9	8.1
60°-70°	283.8	5.2
70°-80°	125.8	2.3
80°-90°	19.0	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°	2817.5	51.4
0°-40°	3931.2	71.7
0°-60°	5050.4	92.2
0°-90°	5479.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5479.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4452	
5°	4331	405
15°	3729	1048
25°	3008	1365
35°	1768	1114
45°	851	673
55°	496	446
65°	285	284
75°	116	126
85°	12	19
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4451.8
2.5°	4405.8
5°	4330.8
7.5°	4212.4
10°	4060.0
12.5°	3905.3
15°	3728.7
17.5°	3569.1
20°	3387.8
22.5°	3213.7
25°	3008.1
27.5°	2756.7
30°	2456.8
32.5°	2120.7
35°	1767.6
37.5°	1467.8
40°	1211.5
42.5°	1008.4
45°	851.2
47.5°	727.9
50°	631.1
52.5°	556.2
55°	495.7
57.5°	437.7
60°	384.5
62.5°	333.7
65°	285.3
67.5°	239.4
70°	195.9
72.5°	154.8
75°	116.1
77.5°	82.2
80°	53.2
82.5°	29.0
85°	12.1
87.5°	2.4
90°	0.0

(END OF REPORT)