

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: P365791

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8027-F6LBXVM1-MW-BL86**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365791
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-FEU6B67-8027-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: 5084.0 lumens
Efficiency: N/A
Efficacy: 69.3 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

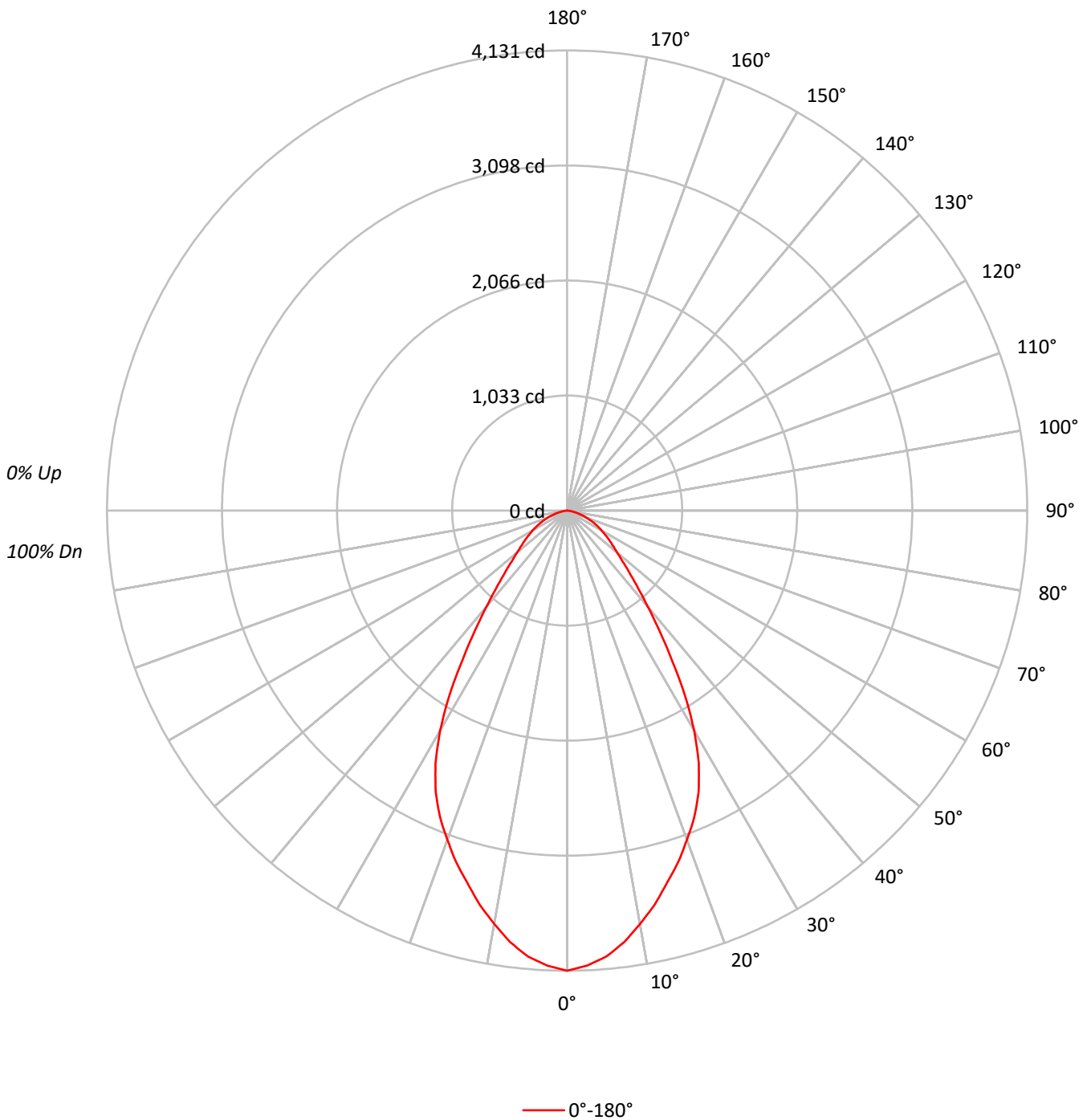
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	112834
5°	110188
10°	104492
15°	97842
20°	91376
25°	84127
30°	71904
35°	54694
40°	40083
45°	30510
50°	24885
55°	21906
60°	19492
65°	17115
70°	14511
75°	11366
80°	7771
85°	3510



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	375.6	7.4
10°-20°	972.6	19.1
20°-30°	1266.2	24.9
30°-40°	1033.4	20.3
40°-50°	624.7	12.3
50°-60°	413.8	8.1
60°-70°	263.4	5.2
70°-80°	116.7	2.3
80°-90°	17.7	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°	2614.4	51.4
0°-40°	3647.8	71.8
0°-60°	4686.3	92.2
0°-90°	5084.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5084.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4131	
5°	4019	376
15°	3460	973
25°	2791	1266
35°	1640	1033
45°	790	625
55°	460	414
65°	265	263
75°	108	117
85°	11	18
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4130.8
2.5°	4088.2
5°	4018.6
7.5°	3908.7
10°	3767.3
12.5°	3623.7
15°	3459.9
17.5°	3311.8
20°	3143.5
22.5°	2982.0
25°	2791.3
27.5°	2557.9
30°	2279.7
32.5°	1967.8
35°	1640.2
37.5°	1362.0
40°	1124.1
42.5°	935.7
45°	789.8
47.5°	675.4
50°	585.6
52.5°	516.1
55°	460.0
57.5°	406.1
60°	356.8
62.5°	309.6
65°	264.8
67.5°	222.1
70°	181.7
72.5°	143.6
75°	107.7
77.5°	76.3
80°	49.4
82.5°	26.9
85°	11.2
87.5°	2.2
90°	0.0

(END OF REPORT)