

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: P365863

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8050-F6LBXVM1-MW-BL86**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365863
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-FEU6B67-8050-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: 5612.0 lumens
Efficiency: N/A
Efficacy: 76.5 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

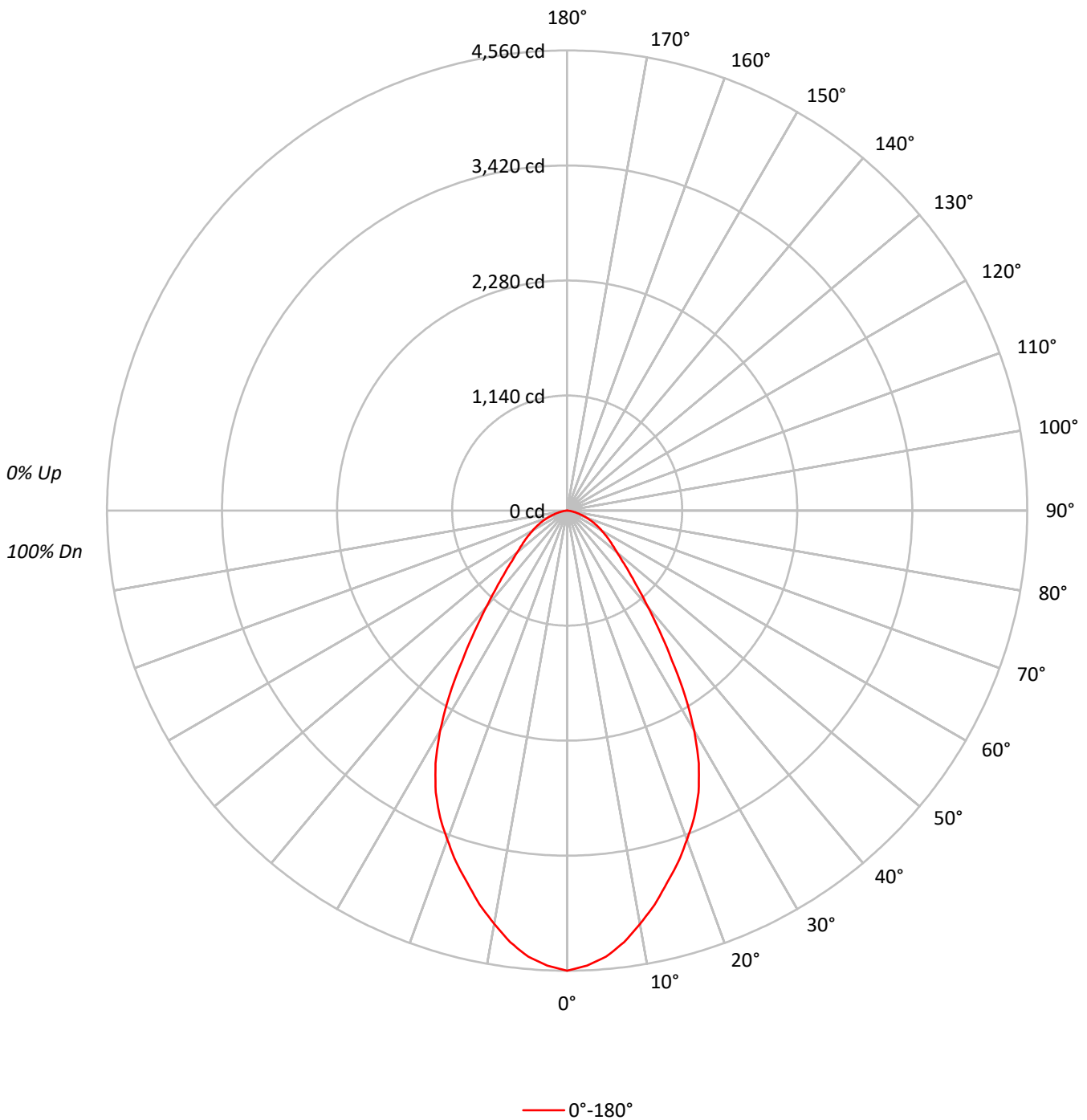
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	124552
5°	121633
10°	115346
15°	108003
20°	100867
25°	92864
30°	79370
35°	60376
40°	44247
45°	33677
50°	27469
55°	24178
60°	21514
65°	18892
70°	16021
75°	12548
80°	8573
85°	3886



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	414.6	7.4
10°-20°	1073.6	19.1
20°-30°	1397.7	24.9
30°-40°	1140.7	20.3
40°-50°	689.6	12.3
50°-60°	456.7	8.1
60°-70°	290.7	5.2
70°-80°	128.8	2.3
80°-90°	19.5	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°	2885.9	51.4
0°-40°	4026.6	71.8
0°-60°	5172.9	92.2
0°-90°	5612.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5612.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4560	
5°	4436	415
15°	3819	1074
25°	3081	1398
35°	1811	1141
45°	872	690
55°	508	457
65°	292	291
75°	119	129
85°	12	20
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4559.8
2.5°	4512.8
5°	4436.0
7.5°	4314.6
10°	4158.6
12.5°	4000.1
15°	3819.2
17.5°	3655.8
20°	3470.0
22.5°	3291.7
25°	3081.2
27.5°	2823.6
30°	2516.4
32.5°	2172.2
35°	1810.6
37.5°	1503.4
40°	1240.9
42.5°	1032.8
45°	871.8
47.5°	745.5
50°	646.4
52.5°	569.7
55°	507.7
57.5°	448.3
60°	393.8
62.5°	341.8
65°	292.3
67.5°	245.2
70°	200.6
72.5°	158.5
75°	118.9
77.5°	84.2
80°	54.5
82.5°	29.7
85°	12.4
87.5°	2.5
90°	0.0

(END OF REPORT)