

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: P365108

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8035-F6LBXVM1-LI-BL87**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365108
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-43)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX70D010TE-FEU6B67-8035-F6LBXVM1-LI-BL87
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, SPECULAR CLEAR REFLECTOR,
BOTTOM LENS POLYCARBONATE, CLEAR 0.375", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5994.1 lumens
Efficiency: N/A
Efficacy: 81.7 lumens/watt
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.82
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

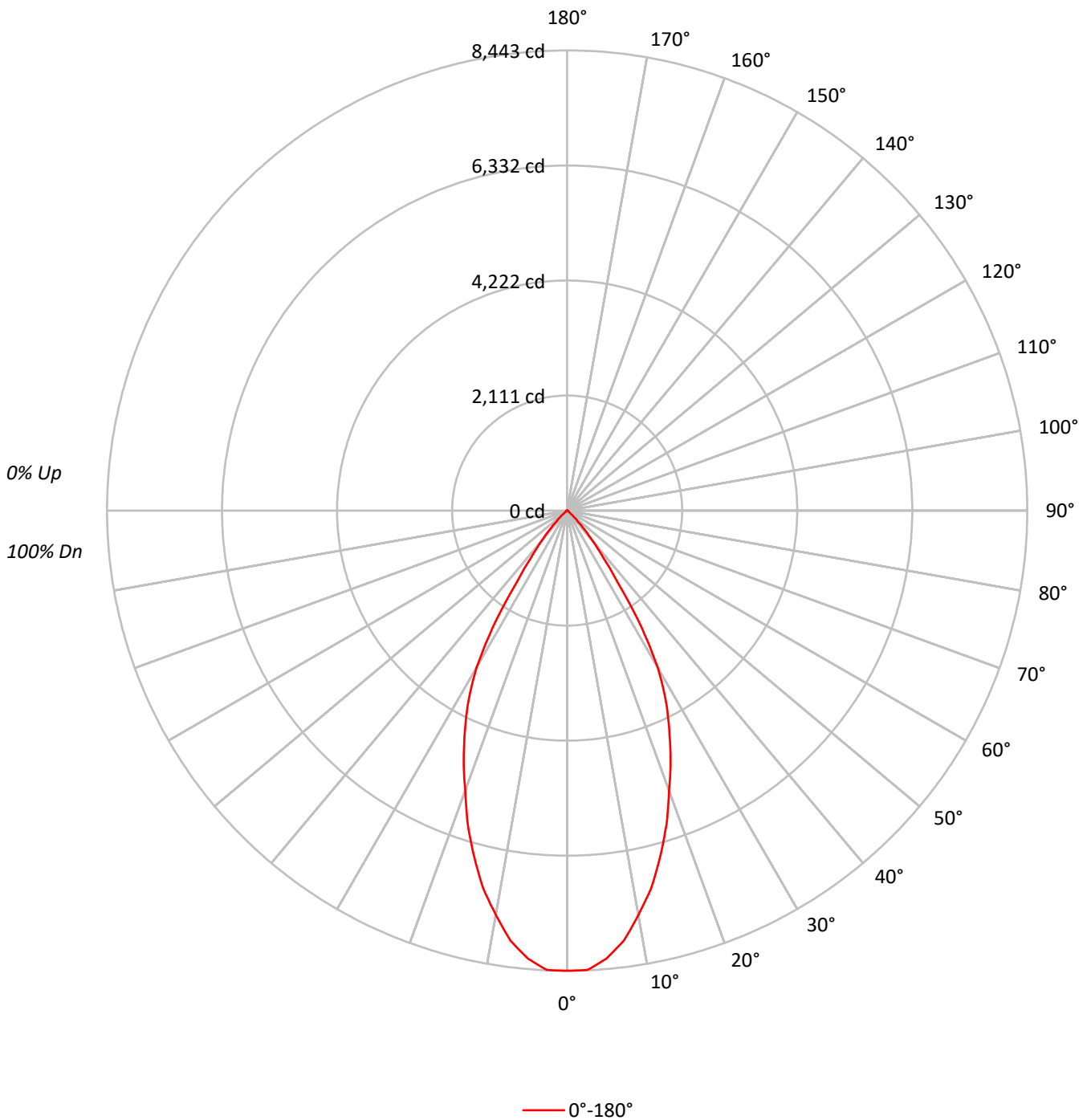
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	91	90	88
3	103	97	93	89	101	96	92	88	93	90	87	91	88	85	89	86	84	83
4	99	91	86	82	97	90	85	82	88	84	81	86	83	80	84	81	79	77
5	94	86	80	76	92	85	80	76	83	79	75	82	78	75	80	77	74	73
6	90	81	75	71	88	80	75	71	79	74	71	77	73	70	76	73	70	68
7	85	77	71	67	84	76	71	67	75	70	66	74	69	66	72	69	66	64
8	82	72	67	63	80	72	67	63	71	66	63	70	65	62	69	65	62	61
9	78	69	63	59	77	68	63	59	67	62	59	66	62	59	66	62	59	57
10	74	65	60	56	74	65	60	56	64	59	56	63	59	56	63	58	56	54

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	230615
5°	226228
10°	208918
15°	186168
20°	158989
25°	133525
30°	104820
35°	54317
40°	25941
45°	10210
50°	2690
55°	752
60°	492
65°	440
70°	359
75°	475
80°	362
85°	721



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	765.1	12.8
10°-20°	1829.7	30.5
20°-30°	2020.1	33.7
30°-40°	1111.6	18.5
40°-50°	235.0	3.9
50°-60°	19.9	0.3
60°-70°	6.1	0.1
70°-80°	4.5	0.1
80°-90°	2.2	0.0
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°	4614.8	77.0
0°-40°	5726.4	95.5
0°-60°	5981.3	99.8
0°-90°	5994.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5994.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8443	
5°	8251	765
15°	6583	1830
25°	4430	2020
35°	1629	1112
45°	264	235
55°	16	20
65°	7	6
75°	4	4
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8442.7
2.5°	8438.1
5°	8250.6
7.5°	7961.5
10°	7532.2
12.5°	7105.2
15°	6583.3
17.5°	6052.4
20°	5469.5
22.5°	4959.0
25°	4430.3
27.5°	3919.7
30°	3323.3
32.5°	2537.1
35°	1628.9
37.5°	1098.0
40°	727.5
42.5°	454.1
45°	264.3
47.5°	135.6
50°	63.3
52.5°	27.1
55°	15.8
57.5°	11.3
60°	9.0
62.5°	6.8
65°	6.8
67.5°	4.5
70°	4.5
72.5°	6.8
75°	4.5
77.5°	2.3
80°	2.3
82.5°	2.3
85°	2.3
87.5°	2.3
90°	0.0

(END OF REPORT)