

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: P365812

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8030-F6LBXVM1-MW-BL89BV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365812
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-34)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX70D010TE-FEU6B67-8030-F6LBXVM1-MW-BL89BV
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS ACRYLIC, CLEAR 0.125", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5685.0 lumens
Efficiency: N/A
Efficacy: 77.5 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

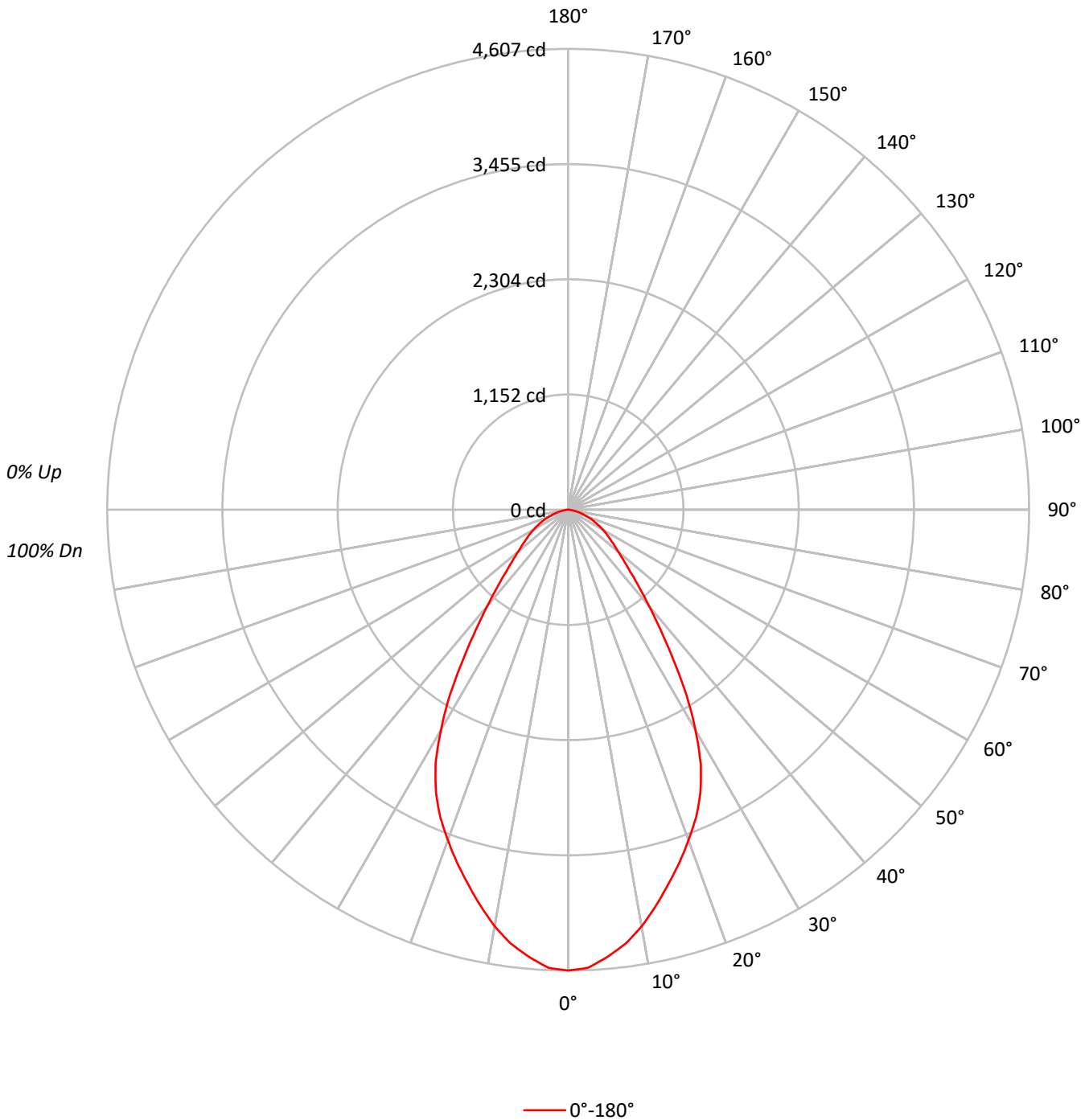
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	82	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°	125844
5°	123043
10°	117304
15°	109510
20°	102198
25°	94221
30°	80243
35°	61043
40°	44690
45°	33998
50°	27626
55°	24254
60°	21798
65°	19267
70°	16308
75°	12876
80°	8856
85°	3667



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	420.5	7.4
10°-20°	1087.8	19.1
20°-30°	1417.5	24.9
30°-40°	1154.1	20.3
40°-50°	696.0	12.2
50°-60°	461.4	8.1
60°-70°	296.1	5.2
70°-80°	131.9	2.3
80°-90°	19.7	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°	2925.8	51.5
0°-40°	4079.9	71.8
0°-60°	5237.2	92.1
0°-90°	5685.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5685.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4607	
5°	4487	421
15°	3872	1088
25°	3126	1418
35°	1831	1154
45°	880	696
55°	509	461
65°	298	296
75°	122	132
85°	12	20
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4607.1
2.5°	4583.6
5°	4487.4
7.5°	4377.1
10°	4229.2
12.5°	4053.2
15°	3872.5
17.5°	3696.5
20°	3515.8
22.5°	3335.0
25°	3126.2
27.5°	2870.3
30°	2544.1
32.5°	2203.8
35°	1830.6
37.5°	1518.5
40°	1253.3
42.5°	1044.4
45°	880.1
47.5°	751.0
50°	650.1
52.5°	577.4
55°	509.3
57.5°	455.3
60°	399.0
62.5°	347.4
65°	298.1
67.5°	251.1
70°	204.2
72.5°	161.9
75°	122.0
77.5°	86.8
80°	56.3
82.5°	30.5
85°	11.7
87.5°	2.3
90°	0.0

(END OF REPORT)