

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: P365094

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8030-F6LBXVM1-LI-BTR80**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365094
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-23)
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-LI-BTR80
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM ACRYLIC, PATTERN 12 0.125", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5434.0 lumens
Efficiency: N/A
Efficacy: 74.0 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.87
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

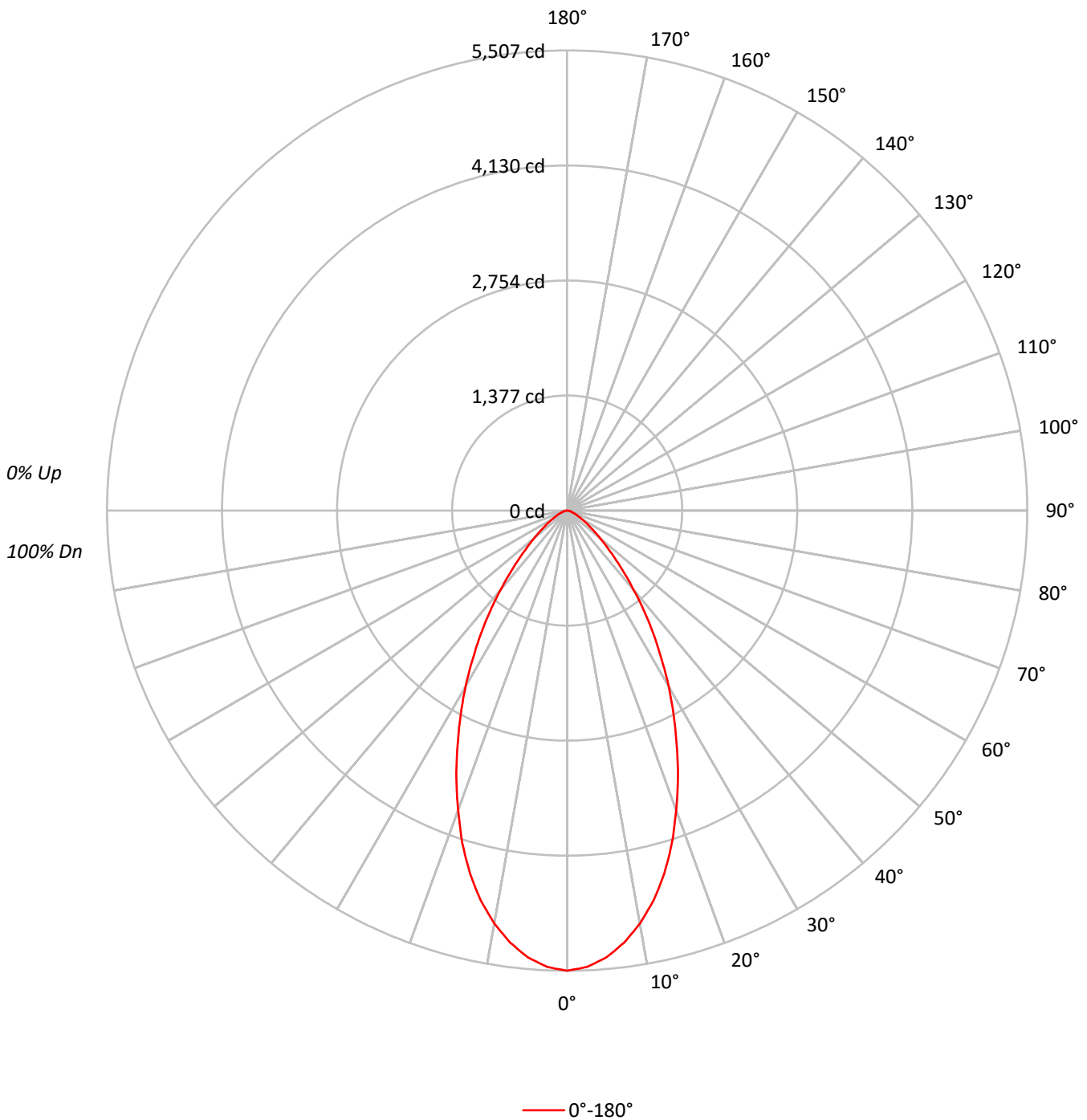
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	109	106	104	110	107	105	102	103	101	99	99	98	96	96	95	93	91
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76
4	94	85	79	74	92	84	78	74	82	77	73	80	75	72	78	74	71	69
5	88	79	72	67	87	78	72	67	76	71	67	74	70	66	73	69	65	64
6	83	73	67	62	82	73	66	62	71	65	61	69	65	61	68	64	60	59
7	79	68	62	57	77	68	61	57	66	61	57	65	60	56	64	59	56	54
8	75	64	57	53	73	63	57	53	62	57	52	61	56	52	60	55	52	50
9	71	60	54	49	69	60	53	49	59	53	49	58	52	49	57	52	49	47
10	67	57	50	46	66	56	50	46	55	50	46	54	49	46	54	49	45	44

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	394290
5°	385841
10°	364717
15°	333063
20°	290517
25°	245236
30°	200967
35°	157093
40°	115790
45°	81494
50°	57501
55°	40708
60°	28899
65°	21466
70°	16706
75°	13639
80°	12576
85°	13473



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	501.2	9.2
10°-20°	1248.0	23.0
20°-30°	1421.8	26.2
30°-40°	1122.2	20.7
40°-50°	637.8	11.7
50°-60°	301.0	5.5
60°-70°	130.2	2.4
70°-80°	54.1	1.0
80°-90°	17.6	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°	3171.1	58.4
0°-40°	4293.3	79.0
0°-60°	5232.1	96.3
0°-90°	5434.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5434.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5507	
5°	5368	501
15°	4493	1248
25°	3104	1422
35°	1797	1122
45°	805	638
55°	326	301
65°	127	130
75°	49	54
85°	16	18
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5506.7
2.5°	5466.8
5°	5368.2
7.5°	5215.7
10°	5016.3
12.5°	4777.0
15°	4493.1
17.5°	4171.7
20°	3812.7
22.5°	3465.4
25°	3104.1
27.5°	2759.2
30°	2430.7
32.5°	2097.6
35°	1797.2
37.5°	1508.6
40°	1238.8
42.5°	1008.9
45°	804.8
47.5°	642.9
50°	516.2
52.5°	410.6
55°	326.1
57.5°	258.1
60°	201.8
62.5°	159.5
65°	126.7
67.5°	100.9
70°	79.8
72.5°	63.3
75°	49.3
77.5°	37.5
80°	30.5
82.5°	23.5
85°	16.4
87.5°	9.4
90°	0.0

(END OF REPORT)