

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: P366540

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8030-F6LBXVM1-WMH-BTR87**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366540
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-30)
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-WMH-BTR87
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.375", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5117.1 lumens
Efficiency: N/A
Efficacy: 69.7 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.8
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

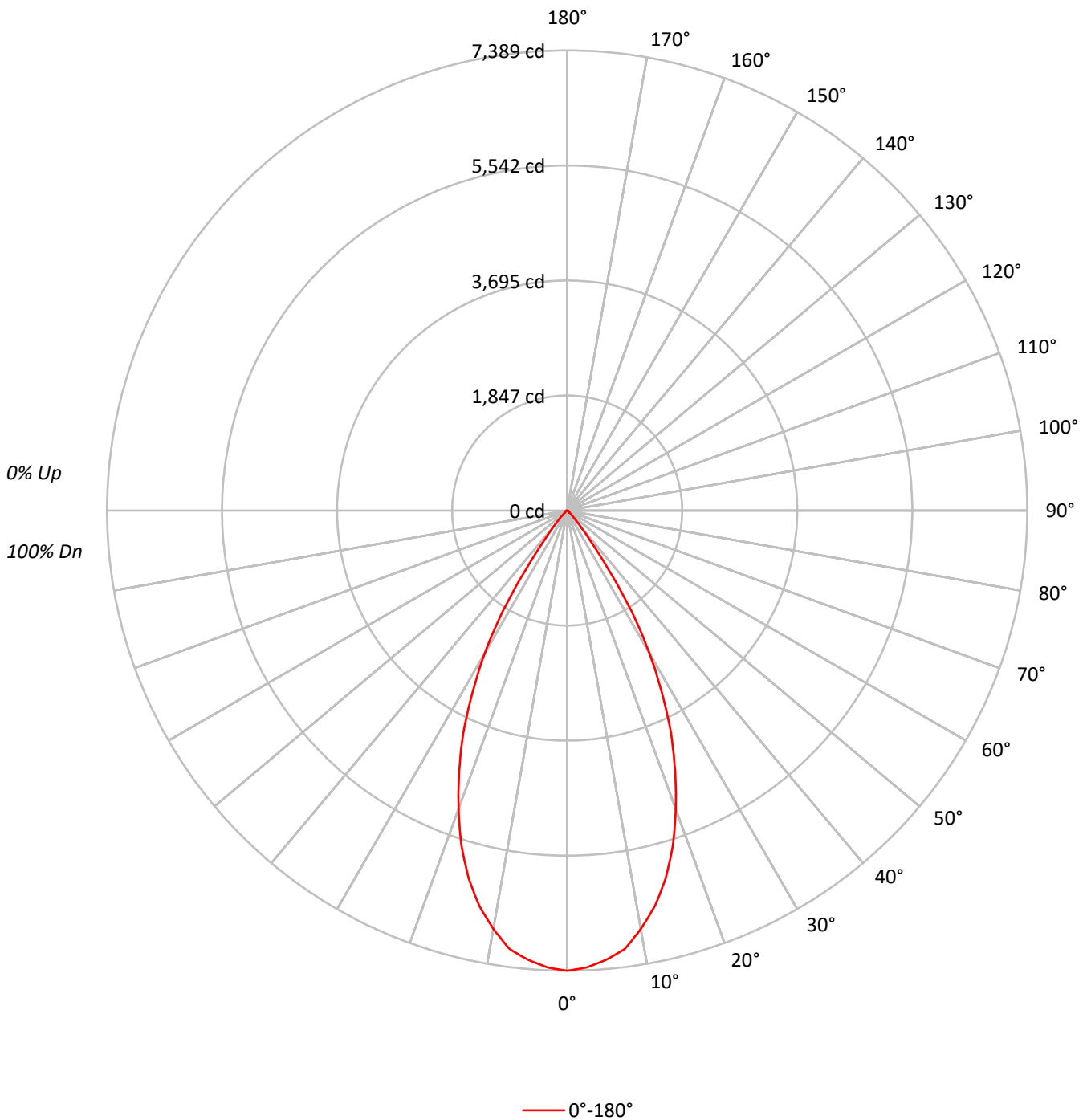
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	529045
5°	520334
10°	495792
15°	453046
20°	388514
25°	311734
30°	218569
35°	100984
40°	32415
45°	10470
50°	4857
55°	4307
60°	4282
65°	3897
70°	3852
75°	4454
80°	5690
85°	9448



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	678.9	13.3
10°-20°	1691.2	33.1
20°-30°	1776.2	34.7
30°-40°	788.2	15.4
40°-50°	101.8	2.0
50°-60°	31.8	0.6
60°-70°	22.5	0.4
70°-80°	16.4	0.3
80°-90°	10.0	0.2
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°	4146.3	81.0
0°-40°	4934.5	96.4
0°-60°	5068.2	99.0
0°-90°	5117.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5117.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7389	
5°	7239	679
15°	6112	1691
25°	3946	1776
35°	1155	788
45°	103	102
55°	34	32
65°	23	22
75°	16	16
85°	12	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7388.7
2.5°	7342.7
5°	7239.4
7.5°	7099.3
10°	6819.1
12.5°	6504.4
15°	6111.7
17.5°	5640.8
20°	5098.8
22.5°	4529.2
25°	3945.8
27.5°	3291.3
30°	2643.6
32.5°	1943.1
35°	1155.3
37.5°	615.5
40°	346.8
42.5°	190.6
45°	103.4
47.5°	52.8
50°	43.6
52.5°	39.0
55°	34.5
57.5°	32.2
60°	29.9
62.5°	25.3
65°	23.0
67.5°	18.4
70°	18.4
72.5°	16.1
75°	16.1
77.5°	13.8
80°	13.8
82.5°	11.5
85°	11.5
87.5°	6.9
90°	0.0

(END OF REPORT)