

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: P366516

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8027-F6LBXVM1-WMH-BTR80**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366516
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-29)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX70D010TE-FEU6B67-8027-F6LBXVM1-WMH-BTR80
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM ACRYLIC, PATTERN 12 0.125", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5087.0 lumens
Efficiency: N/A
Efficacy: 69.3 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.88
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

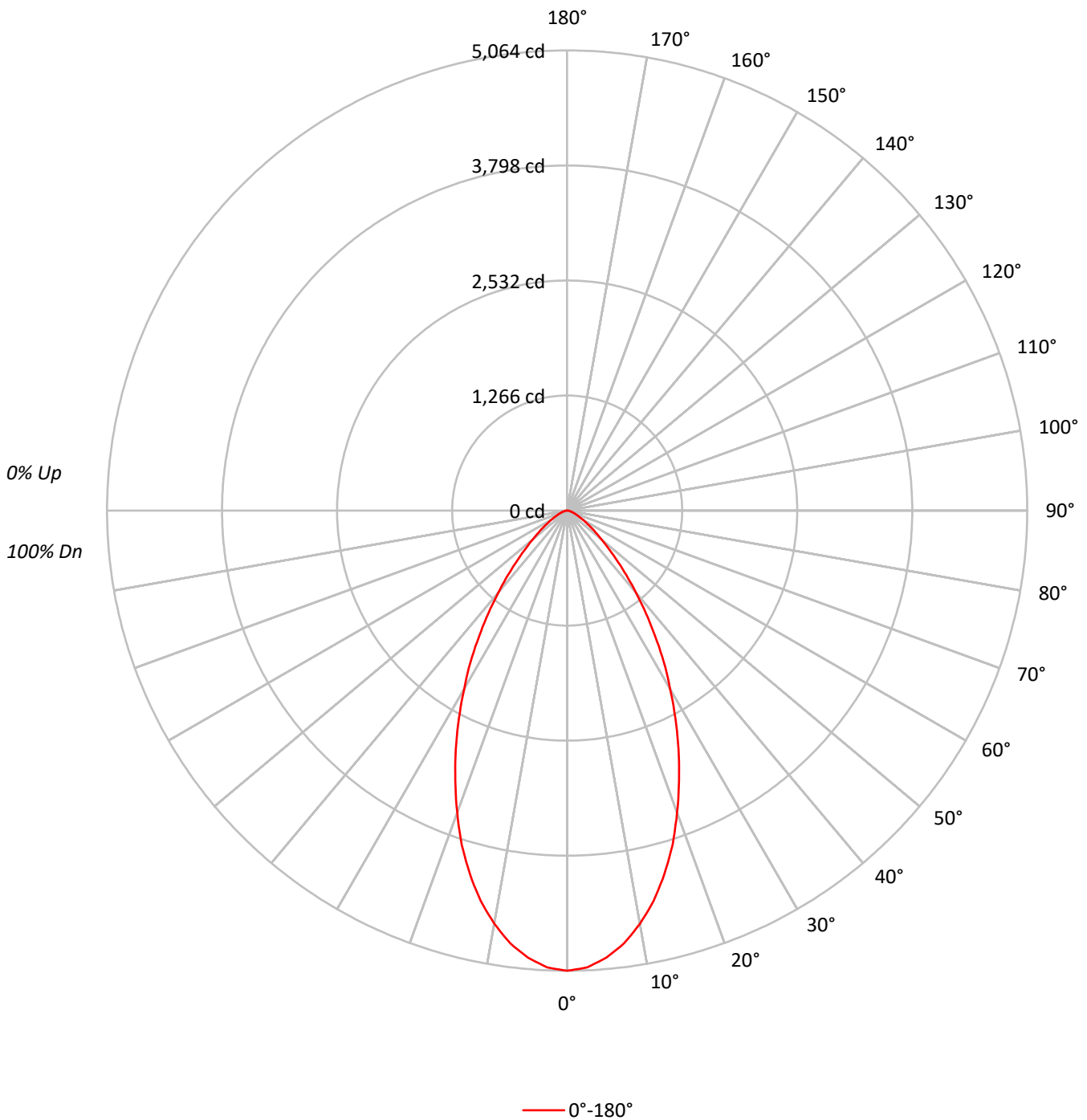
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	98	94	91	95	92	89	92	89	87	89	87	85	83
3	100	92	86	82	97	91	85	81	88	84	80	85	82	79	83	80	77	76
4	94	85	79	74	92	84	78	73	82	77	72	79	75	72	78	74	71	69
5	88	79	72	67	86	78	71	67	76	70	66	74	69	66	72	68	65	63
6	83	73	66	62	82	72	66	61	71	65	61	69	64	60	68	63	60	58
7	79	68	61	57	77	67	61	57	66	60	56	65	60	56	64	59	56	54
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	52	50
9	70	60	53	49	69	59	53	49	58	53	49	57	52	48	56	52	48	47
10	67	56	50	46	66	56	50	46	55	49	45	54	49	45	53	49	45	44

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	362556
5°	355064
10°	335671
15°	306800
20°	269524
25°	229096
30°	187424
35°	147530
40°	109930
45°	77950
50°	55006
55°	39510
60°	28283
65°	20534
70°	15973
75°	13030
80°	11092
85°	11091



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	461.4	9.1
10°-20°	1151.6	22.6
20°-30°	1324.7	26.0
30°-40°	1057.0	20.8
40°-50°	609.4	12.0
50°-60°	290.4	5.7
60°-70°	125.7	2.5
70°-80°	51.4	1.0
80°-90°	15.3	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°	2937.7	57.8
0°-40°	3994.8	78.5
0°-60°	4894.6	96.2
0°-90°	5087.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5087.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5064	
5°	4940	461
15°	4139	1152
25°	2900	1325
35°	1688	1057
45°	770	609
55°	316	290
65°	121	126
75°	47	51
85°	14	15
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5063.5
2.5°	5032.0
5°	4940.0
7.5°	4803.1
10°	4616.8
12.5°	4399.1
15°	4138.8
17.5°	3856.0
20°	3537.2
22.5°	3216.3
25°	2899.8
27.5°	2578.9
30°	2266.9
32.5°	1981.8
35°	1687.8
37.5°	1425.2
40°	1176.1
42.5°	962.9
45°	769.8
47.5°	617.2
50°	493.8
52.5°	395.0
55°	316.5
57.5°	249.1
60°	197.5
62.5°	154.9
65°	121.2
67.5°	96.5
70°	76.3
72.5°	60.6
75°	47.1
77.5°	35.9
80°	26.9
82.5°	20.2
85°	13.5
87.5°	9.0
90°	0.0

(END OF REPORT)