

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: P366591

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8050-F6LBXVM1-WMH-BTR84**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366591
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-FEU6B67-8050-F6LBXVM1-WMH-BTR84
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.125", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5518.0 lumens
Efficiency: N/A
Efficacy: 75.2 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

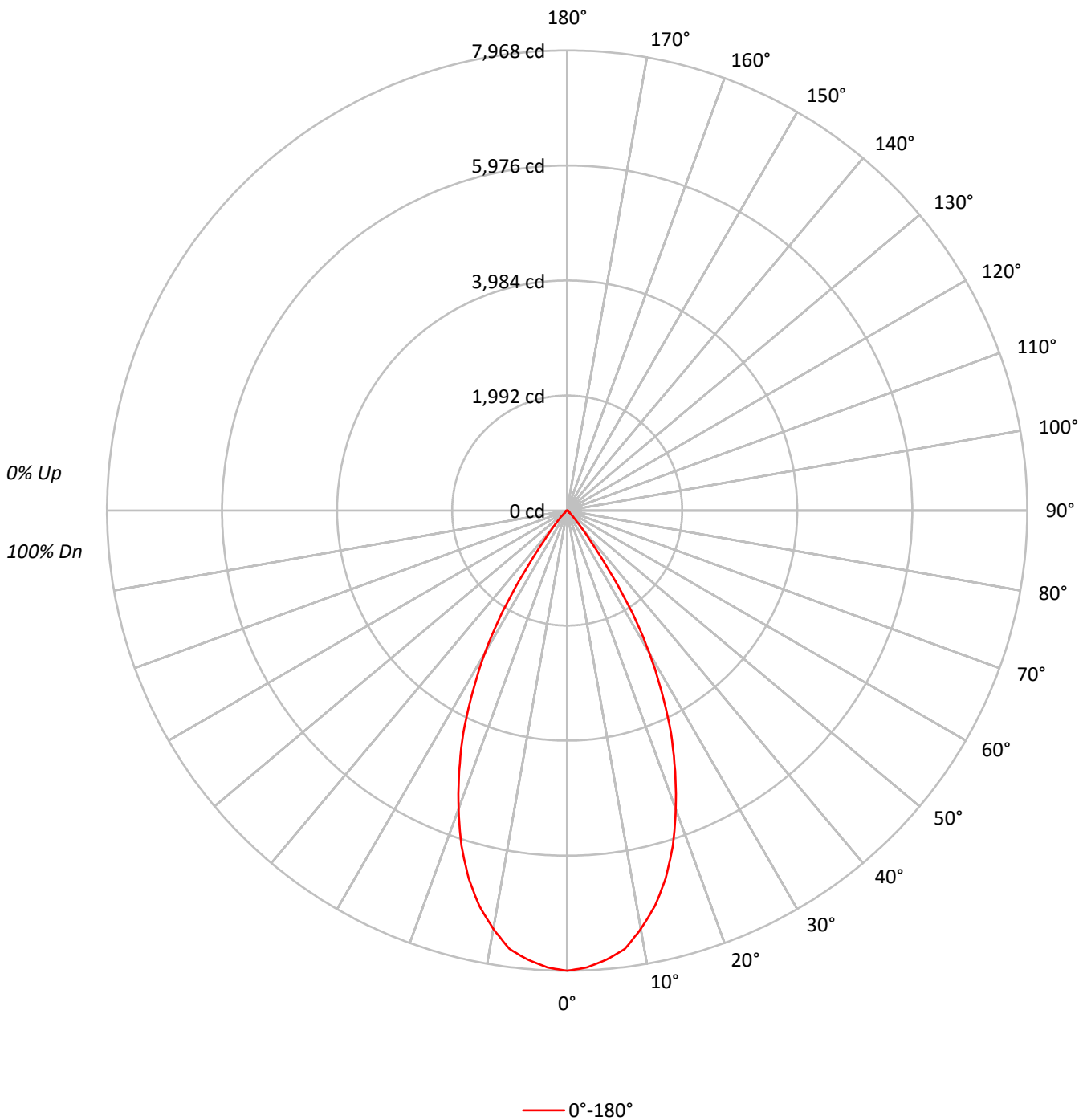
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	570502
5°	561109
10°	534647
15°	488546
20°	418962
25°	336170
30°	235692
35°	108895
40°	34958
45°	11291
50°	5247
55°	4644
60°	4611
65°	4202
70°	4145
75°	4786
80°	6144
85°	10187



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	732.2	13.3
10°-20°	1823.8	33.1
20°-30°	1915.4	34.7
30°-40°	849.9	15.4
40°-50°	109.8	2.0
50°-60°	34.3	0.6
60°-70°	24.2	0.4
70°-80°	17.7	0.3
80°-90°	10.8	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°	4471.3	81.0
0°-40°	5321.2	96.4
0°-60°	5465.4	99.0
0°-90°	5518.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5518.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7968	
5°	7807	732
15°	6591	1824
25°	4255	1915
35°	1246	850
45°	112	110
55°	37	34
65°	25	24
75°	17	18
85°	12	11
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7967.7
2.5°	7918.2
5°	7806.7
7.5°	7655.6
10°	7353.5
12.5°	7014.2
15°	6590.6
17.5°	6082.9
20°	5498.4
22.5°	4884.1
25°	4255.1
27.5°	3549.2
30°	2850.7
32.5°	2095.3
35°	1245.8
37.5°	663.8
40°	374.0
42.5°	205.6
45°	111.5
47.5°	57.0
50°	47.1
52.5°	42.1
55°	37.2
57.5°	34.7
60°	32.2
62.5°	27.2
65°	24.8
67.5°	19.8
70°	19.8
72.5°	17.3
75°	17.3
77.5°	14.9
80°	14.9
82.5°	12.4
85°	12.4
87.5°	7.4
90°	0.0

(END OF REPORT)