

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: P366594

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8050-F6LBXVM1-WMH-BTR87**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366594
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-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: 5403.1 lumens
Efficiency: N/A
Efficacy: 73.6 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

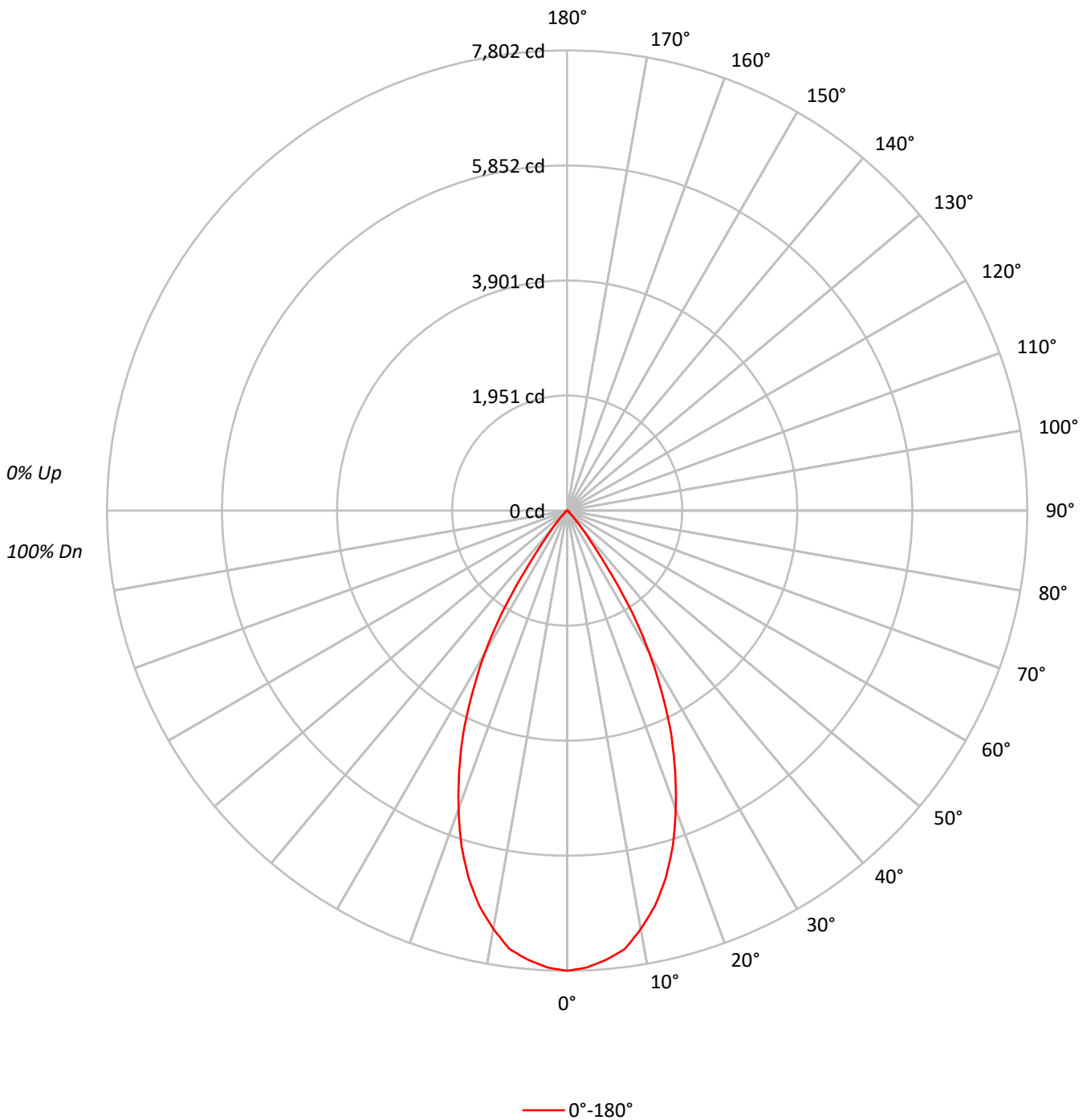
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	558609
5°	549415
10°	523501
15°	478368
20°	410230
25°	329162
30°	230781
35°	106622
40°	34229
45°	11048
50°	5135
55°	4544
60°	4511
65°	4117
70°	4061
75°	4703
80°	6020
85°	9941



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	716.9	13.3
10°-20°	1785.8	33.1
20°-30°	1875.4	34.7
30°-40°	832.2	15.4
40°-50°	107.5	2.0
50°-60°	33.6	0.6
60°-70°	23.7	0.4
70°-80°	17.3	0.3
80°-90°	10.6	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°	4378.1	81.0
0°-40°	5210.3	96.4
0°-60°	5351.5	99.0
0°-90°	5403.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5403.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7802	
5°	7644	717
15°	6453	1786
25°	4166	1875
35°	1220	832
45°	109	108
55°	36	34
65°	24	24
75°	17	17
85°	12	11
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7801.6
2.5°	7753.1
5°	7644.0
7.5°	7496.1
10°	7200.2
12.5°	6868.0
15°	6453.3
17.5°	5956.1
20°	5383.8
22.5°	4782.4
25°	4166.4
27.5°	3475.2
30°	2791.3
32.5°	2051.7
35°	1219.8
37.5°	649.9
40°	366.2
42.5°	201.3
45°	109.1
47.5°	55.8
50°	46.1
52.5°	41.2
55°	36.4
57.5°	34.0
60°	31.5
62.5°	26.7
65°	24.3
67.5°	19.4
70°	19.4
72.5°	17.0
75°	17.0
77.5°	14.6
80°	14.6
82.5°	12.1
85°	12.1
87.5°	7.3
90°	0.0

(END OF REPORT)