

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: P366592

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8050-F6LBXVM1-WMH-BTR85**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366592
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-BTR85
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.187", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5477.0 lumens
Efficiency: N/A
Efficacy: 74.6 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

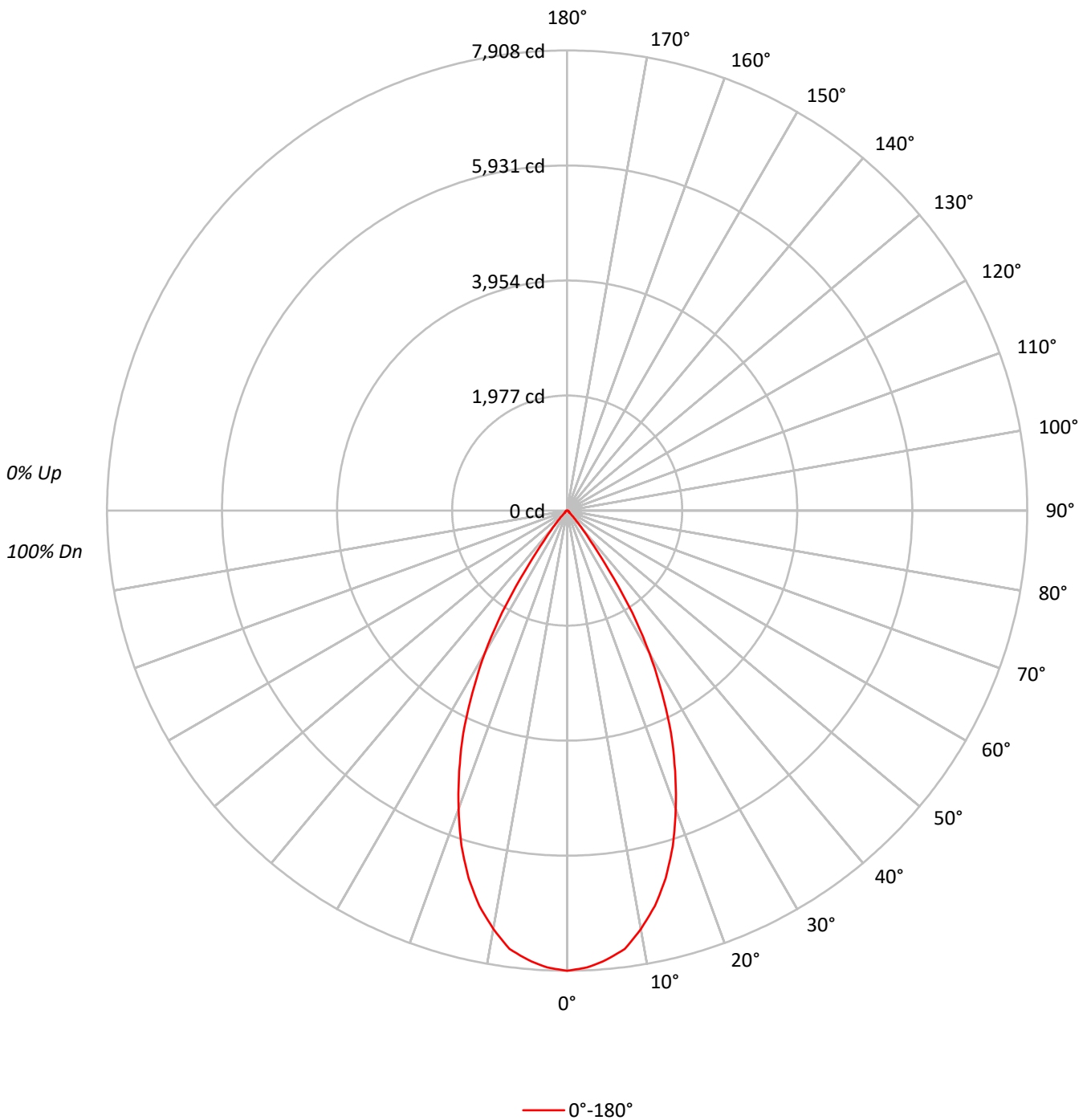
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	566263
5°	556941
10°	530670
15°	484921
20°	415846
25°	333665
30°	233948
35°	108082
40°	34696
45°	11199
50°	5202
55°	4606
60°	4583
65°	4168
70°	4124
75°	4758
80°	6103
85°	10105



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	726.7	13.3
10°-20°	1810.2	33.1
20°-30°	1901.1	34.7
30°-40°	843.6	15.4
40°-50°	109.0	2.0
50°-60°	34.1	0.6
60°-70°	24.0	0.4
70°-80°	17.6	0.3
80°-90°	10.7	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°	4438.1	81.0
0°-40°	5281.7	96.4
0°-60°	5424.7	99.0
0°-90°	5477.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5477.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7908	
5°	7749	727
15°	6542	1810
25°	4223	1901
35°	1236	844
45°	111	109
55°	37	34
65°	25	24
75°	17	18
85°	12	11
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7908.5
2.5°	7859.3
5°	7748.7
7.5°	7598.7
10°	7298.8
12.5°	6962.0
15°	6541.7
17.5°	6037.7
20°	5457.5
22.5°	4847.9
25°	4223.4
27.5°	3522.8
30°	2829.6
32.5°	2079.8
35°	1236.5
37.5°	658.8
40°	371.2
42.5°	204.0
45°	110.6
47.5°	56.5
50°	46.7
52.5°	41.8
55°	36.9
57.5°	34.4
60°	32.0
62.5°	27.0
65°	24.6
67.5°	19.7
70°	19.7
72.5°	17.2
75°	17.2
77.5°	14.8
80°	14.8
82.5°	12.3
85°	12.3
87.5°	7.4
90°	0.0

(END OF REPORT)