

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: P366576

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8040-F6LBXVM1-WMH-BTR87**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366576
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-FEU6B67-8040-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: 5275.0 lumens
Efficiency: N/A
Efficacy: 71.9 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

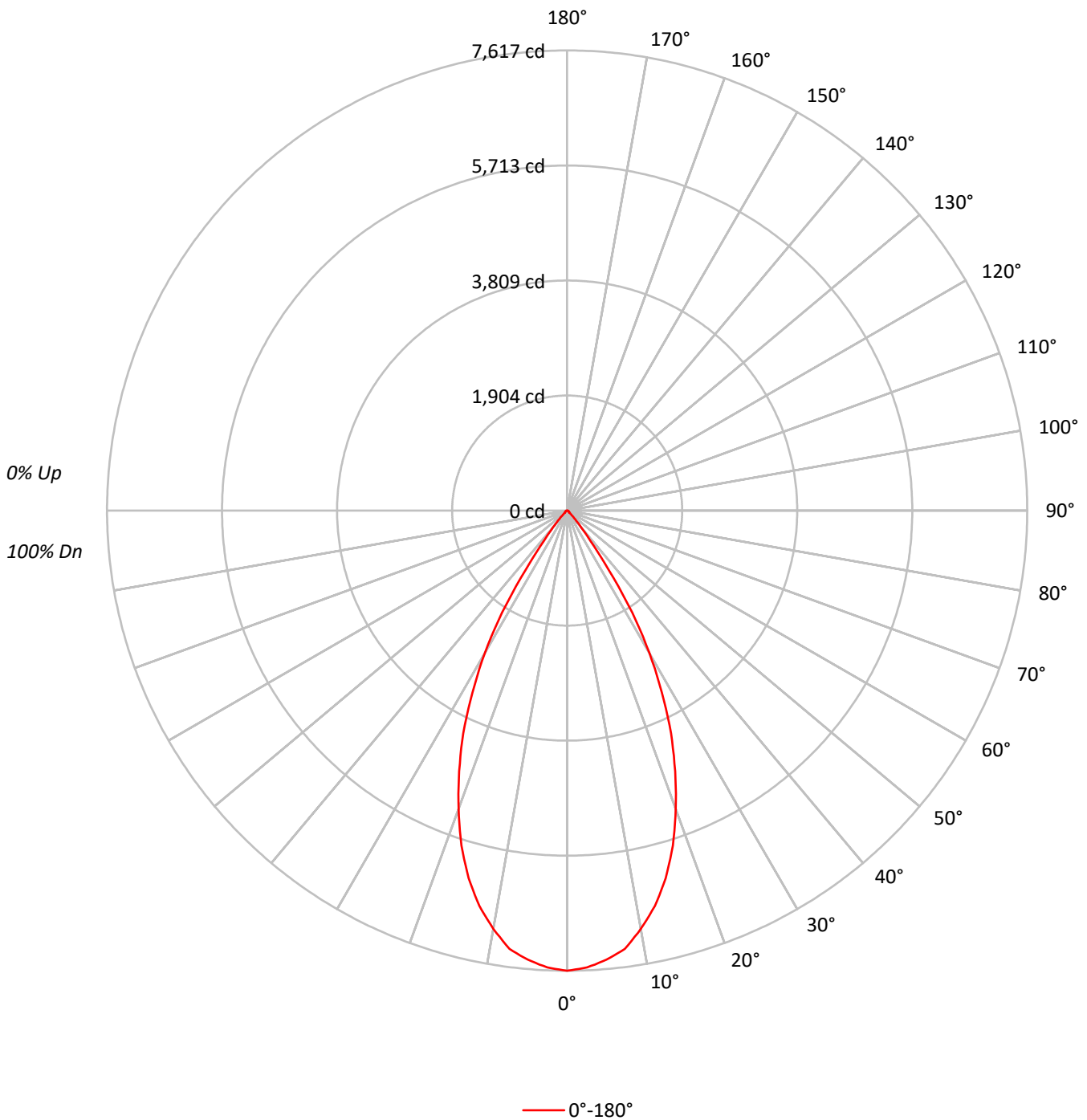
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	545377
5°	536399
10°	511097
15°	467034
20°	400507
25°	321364
30°	225316
35°	104096
40°	33415
45°	10784
50°	5013
55°	4432
60°	4411
65°	4015
70°	3957
75°	4592
80°	5855
85°	9694



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	699.9	13.3
10°-20°	1743.5	33.1
20°-30°	1831.0	34.7
30°-40°	812.5	15.4
40°-50°	105.0	2.0
50°-60°	32.8	0.6
60°-70°	23.1	0.4
70°-80°	16.9	0.3
80°-90°	10.3	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°	4274.4	81.0
0°-40°	5086.9	96.4
0°-60°	5224.7	99.0
0°-90°	5275.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5275.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7617	
5°	7463	700
15°	6300	1743
25°	4068	1831
35°	1191	812
45°	106	105
55°	36	33
65°	24	23
75°	17	17
85°	12	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7616.8
2.5°	7569.5
5°	7462.9
7.5°	7318.5
10°	7029.6
12.5°	6705.3
15°	6300.4
17.5°	5815.0
20°	5256.2
22.5°	4669.1
25°	4067.7
27.5°	3392.9
30°	2725.2
32.5°	2003.1
35°	1190.9
37.5°	634.5
40°	357.5
42.5°	196.5
45°	106.5
47.5°	54.5
50°	45.0
52.5°	40.3
55°	35.5
57.5°	33.1
60°	30.8
62.5°	26.0
65°	23.7
67.5°	18.9
70°	18.9
72.5°	16.6
75°	16.6
77.5°	14.2
80°	14.2
82.5°	11.8
85°	11.8
87.5°	7.1
90°	0.0

(END OF REPORT)