

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: P366577

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8040-F6LBXVM1-WMH-BTR89BI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366577
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-28)
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-BTR89BI
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM ACRYLIC, CLEAR RFI 0.125", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5201.0 lumens
Efficiency: N/A
Efficacy: 70.9 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

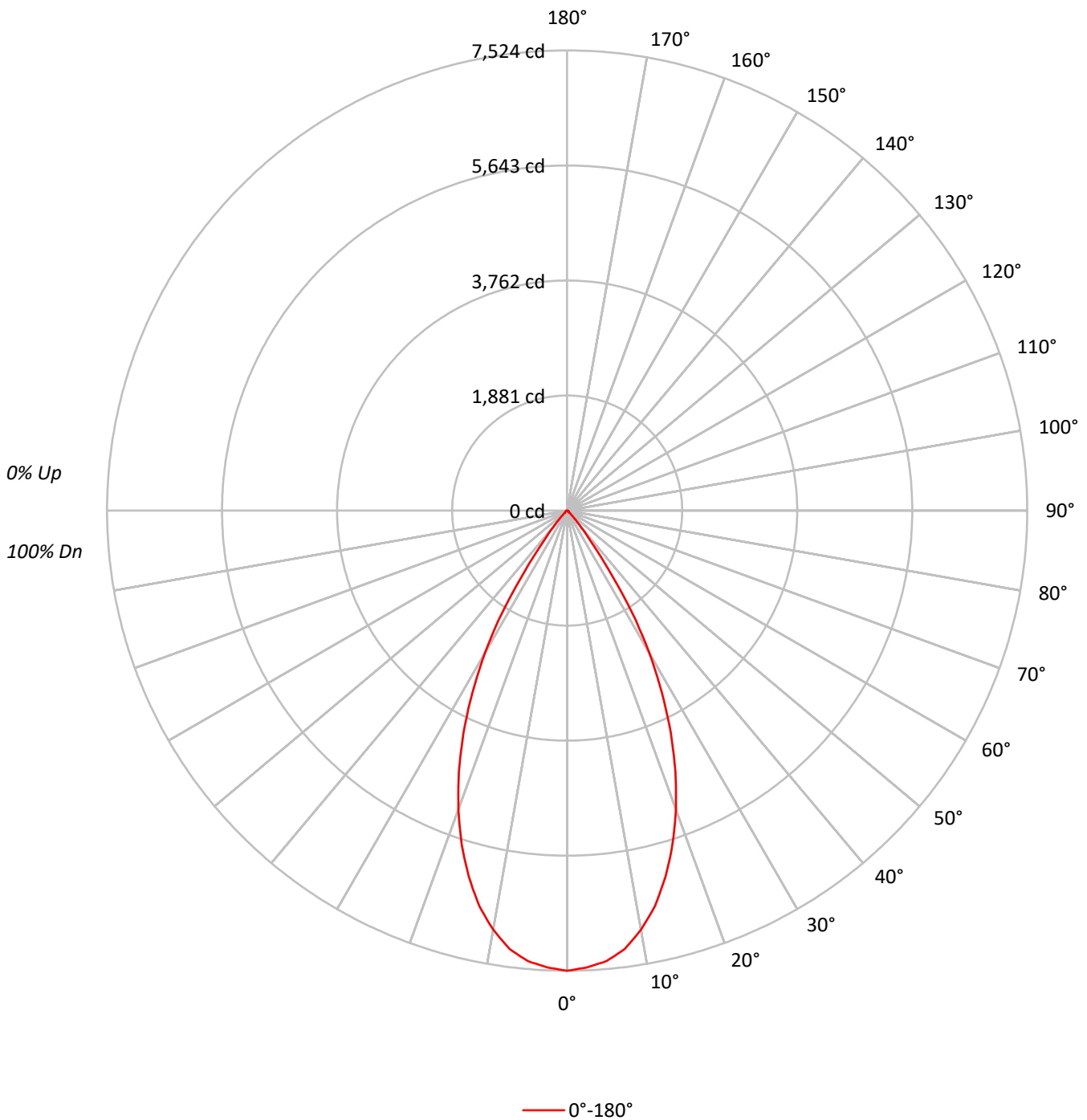
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	85	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	74	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	65	61	78	70	64	61	69	64	61	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°	538740
5°	531468
10°	505891
15°	459896
20°	396019
25°	316569
30°	221976
35°	103257
40°	32621
45°	10197
50°	4489
55°	4194
60°	3838
65°	3405
70°	3747
75°	4343
80°	5525
85°	9201



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	692.2	13.3
10°-20°	1720.3	33.1
20°-30°	1808.5	34.8
30°-40°	802.3	15.4
40°-50°	100.4	1.9
50°-60°	30.0	0.6
60°-70°	21.0	0.4
70°-80°	16.6	0.3
80°-90°	9.8	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°	4220.9	81.2
0°-40°	5023.3	96.6
0°-60°	5153.7	99.1
0°-90°	5201.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5201.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7524	
5°	7394	692
15°	6204	1720
25°	4007	1809
35°	1181	802
45°	101	100
55°	34	30
65°	20	21
75°	16	17
85°	11	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7524.1
2.5°	7474.9
5°	7394.3
7.5°	7228.8
10°	6958.0
12.5°	6626.9
15°	6204.1
17.5°	5727.5
20°	5197.3
22.5°	4622.3
25°	4007.0
27.5°	3353.7
30°	2684.8
32.5°	1975.5
35°	1181.3
37.5°	628.7
40°	349.0
42.5°	190.2
45°	100.7
47.5°	49.2
50°	40.3
52.5°	35.8
55°	33.6
57.5°	31.3
60°	26.8
62.5°	24.6
65°	20.1
67.5°	17.9
70°	17.9
72.5°	15.7
75°	15.7
77.5°	15.7
80°	13.4
82.5°	11.2
85°	11.2
87.5°	6.7
90°	0.0

(END OF REPORT)