

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: P365799

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8027-F6LBXVM1-MW-BTR84**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365799
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-15)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX70D010TE-FEU6B67-8027-F6LBXVM1-MW-BTR84
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.125", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3989.1 lumens
Efficiency: N/A
Efficacy: 54.3 lumens/watt
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.84
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

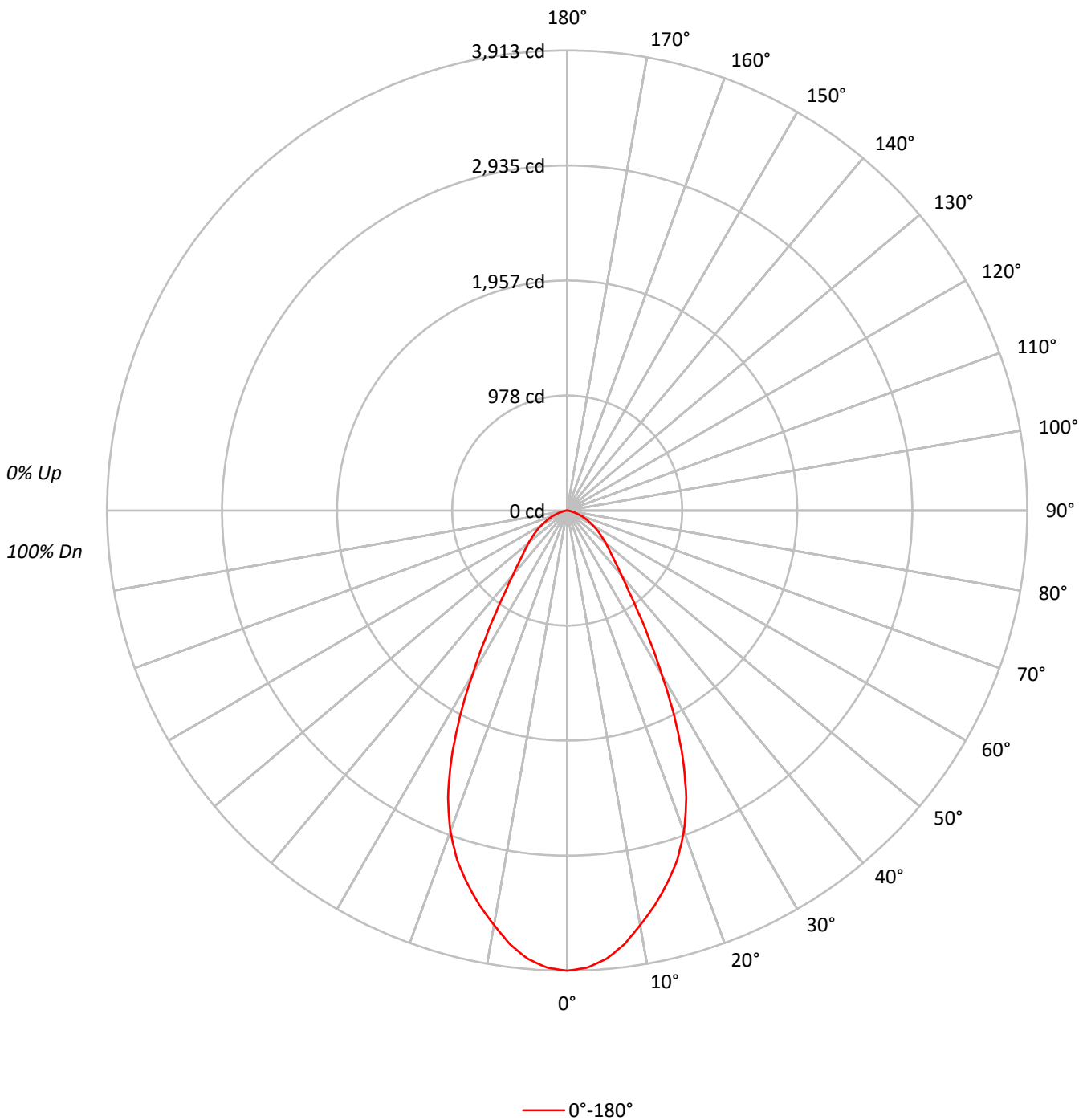
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	109	106	103	110	107	104	101	102	100	98	99	97	95	95	94	93	91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	86	83	82
3	99	91	85	80	96	89	84	80	87	82	78	84	80	77	82	79	76	74
4	93	84	77	72	91	82	76	72	80	75	71	78	74	70	76	72	69	67
5	87	77	71	65	85	76	70	65	74	69	65	73	68	64	71	67	63	62
6	82	72	65	60	81	71	64	60	69	64	59	68	63	59	67	62	58	57
7	78	67	60	55	76	66	60	55	65	59	55	64	58	54	62	58	54	53
8	73	63	56	51	72	62	56	51	61	55	51	60	55	51	59	54	50	49
9	70	59	52	48	68	58	52	48	57	52	47	56	51	47	55	51	47	46
10	66	55	49	45	65	55	49	45	54	48	44	53	48	44	52	48	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	280171
5°	275110
10°	260173
15°	243295
20°	221177
25°	184095
30°	132898
35°	91833
40°	67149
45°	54559
50°	47509
55°	41757
60°	36331
65°	30801
70°	24913
75°	17401
80°	11092
85°	12898



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	357.3	9.0
10°-20°	917.0	23.0
20°-30°	1047.4	26.3
30°-40°	675.6	16.9
40°-50°	424.2	10.6
50°-60°	300.9	7.5
60°-70°	181.3	4.5
70°-80°	70.0	1.8
80°-90°	15.3	0.4
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°	2321.7	58.2
0°-40°	2997.3	75.1
0°-60°	3722.4	93.3
0°-90°	3989.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3989.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3913	
5°	3828	357
15°	3282	917
25°	2330	1047
35°	1051	676
45°	539	424
55°	334	301
65°	182	181
75°	63	70
85°	16	15
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3912.9
2.5°	3890.5
5°	3827.6
7.5°	3719.9
10°	3578.4
12.5°	3439.2
15°	3282.1
17.5°	3113.7
20°	2902.7
22.5°	2646.8
25°	2330.2
27.5°	1973.3
30°	1607.4
32.5°	1299.8
35°	1050.6
37.5°	857.6
40°	718.4
42.5°	617.4
45°	538.8
47.5°	478.2
50°	426.5
52.5°	379.4
55°	334.5
57.5°	294.1
60°	253.7
62.5°	217.8
65°	181.8
67.5°	148.2
70°	119.0
72.5°	87.6
75°	62.9
77.5°	42.7
80°	26.9
82.5°	18.0
85°	15.7
87.5°	9.0
90°	0.0

(END OF REPORT)