

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: P365803

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8027-F6LBXVM1-MW-BTR89BI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365803
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-13)
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-BTR89BI
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM ACRYLIC, CLEAR RFI 0.125", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3890.0 lumens
Efficiency: N/A
Efficacy: 53.0 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

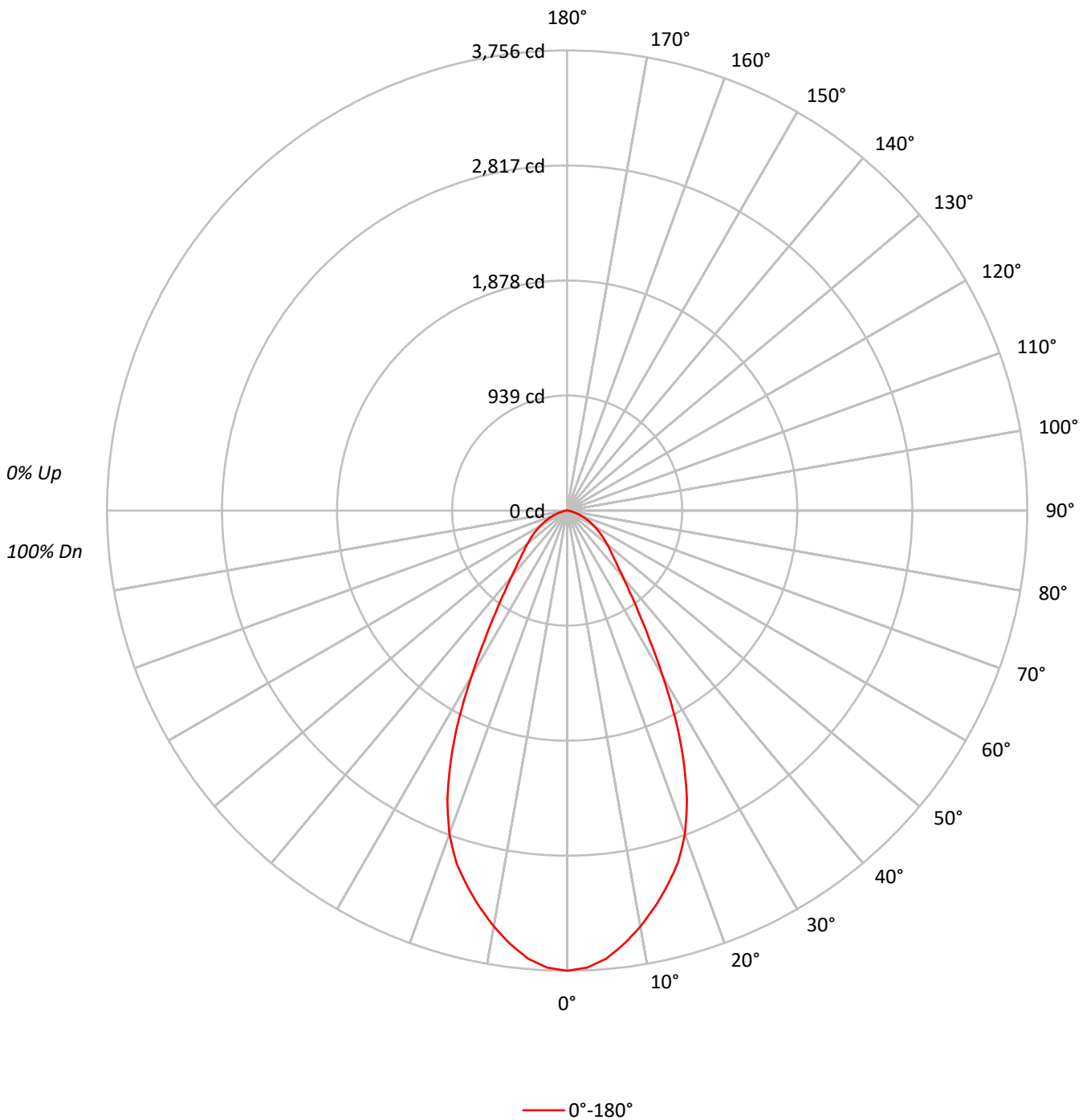
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	106	104	101	102	100	98	99	97	95	95	94	92	90
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81
3	98	91	85	80	96	89	84	79	86	82	78	84	80	77	82	78	75	74
4	92	83	77	72	90	82	76	71	80	75	70	78	73	70	76	72	69	67
5	87	77	70	65	85	76	70	65	74	68	64	72	67	64	71	66	63	61
6	82	72	65	60	80	71	64	59	69	63	59	68	62	58	66	62	58	56
7	77	67	60	55	76	66	59	55	65	59	54	63	58	54	62	57	54	52
8	73	62	56	51	72	62	55	51	61	55	50	59	54	50	58	54	50	48
9	69	59	52	47	68	58	52	47	57	51	47	56	51	47	55	50	47	45
10	66	55	49	44	65	55	48	44	54	48	44	53	48	44	52	47	44	42

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	268922
5°	263819
10°	250546
15°	234644
20°	214167
25°	177538
30°	128813
35°	89088
40°	65887
45°	53881
50°	47264
55°	42032
60°	36646
65°	31191
70°	24913
75°	18010
80°	12947
85°	14788



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	343.0	8.8
10°-20°	885.1	22.8
20°-30°	1012.4	26.0
30°-40°	656.4	16.9
40°-50°	418.5	10.8
50°-60°	301.4	7.7
60°-70°	183.2	4.7
70°-80°	73.0	1.9
80°-90°	17.1	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°	2240.4	57.6
0°-40°	2896.8	74.5
0°-60°	3616.7	93.0
0°-90°	3890.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3890.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3756	
5°	3670	343
15°	3165	885
25°	2247	1012
35°	1019	656
45°	532	418
55°	337	301
65°	184	183
75°	65	73
85°	18	17
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3755.8
2.5°	3733.4
5°	3670.5
7.5°	3567.2
10°	3446.0
12.5°	3311.3
15°	3165.4
17.5°	3010.5
20°	2810.7
22.5°	2554.8
25°	2247.2
27.5°	1910.5
30°	1558.0
32.5°	1254.9
35°	1019.2
37.5°	839.6
40°	704.9
42.5°	606.1
45°	532.1
47.5°	473.7
50°	424.3
52.5°	379.4
55°	336.7
57.5°	294.1
60°	255.9
62.5°	220.0
65°	184.1
67.5°	150.4
70°	119.0
72.5°	92.0
75°	65.1
77.5°	44.9
80°	31.4
82.5°	20.2
85°	18.0
87.5°	9.0
90°	0.0

(END OF REPORT)