

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: P365822

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8030-F6LBXVM1-MW-BTR89BV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365822
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-12)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX70D010TE-FEU6B67-8030-F6LBXVM1-MW-BTR89BV
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM ACRYLIC, CLEAR 0.125", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4397.0 lumens
Efficiency: N/A
Efficacy: 59.9 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

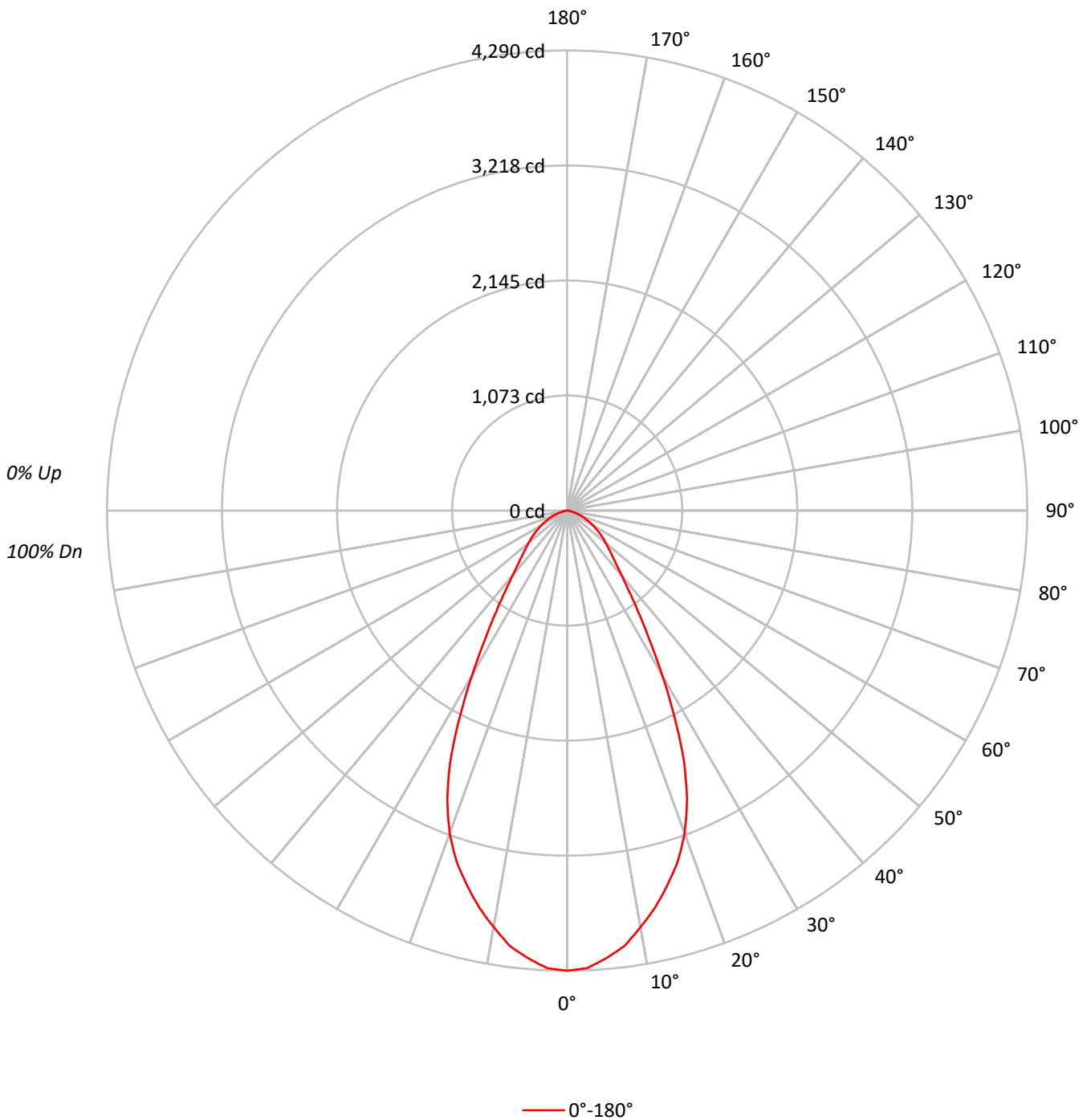
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	92	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	79	87	82	78		84	80	77		82	78	76	74
4	93	84	77	72	91	82	76	72	80	75	71		78	74	70		76	72	69	67
5	87	77	70	65	85	76	70	65	74	69	64		73	68	64		71	67	63	62
6	82	72	65	60	81	71	64	60	69	64	59		68	63	59		66	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	54	51		59	54	50	49
9	70	59	52	48	68	58	52	48	57	51	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°	307186
5°	301115
10°	286689
15°	267771
20°	243968
25°	203664
30°	146424
35°	101081
40°	73888
45°	59855
50°	52254
55°	46263
60°	40312
65°	34173
70°	27509
75°	19476
80°	13525
85°	15445



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	392.6	8.9
10°-20°	1010.2	23.0
20°-30°	1154.7	26.3
30°-40°	742.9	16.9
40°-50°	465.6	10.6
50°-60°	332.5	7.6
60°-70°	201.6	4.6
70°-80°	79.0	1.8
80°-90°	17.9	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°	2557.5	58.2
0°-40°	3300.4	75.1
0°-60°	4098.5	93.2
0°-90°	4397.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4397.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4290	
5°	4189	393
15°	3612	1010
25°	2578	1155
35°	1156	743
45°	591	466
55°	371	332
65°	202	202
75°	70	79
85°	19	18
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4290.2
2.5°	4269.1
5°	4189.4
7.5°	4093.2
10°	3943.1
12.5°	3790.6
15°	3612.3
17.5°	3429.4
20°	3201.8
22.5°	2920.4
25°	2577.9
27.5°	2165.1
30°	1771.0
32.5°	1423.8
35°	1156.4
37.5°	945.3
40°	790.5
42.5°	675.6
45°	591.1
47.5°	525.4
50°	469.1
52.5°	419.9
55°	370.6
57.5°	323.7
60°	281.5
62.5°	241.6
65°	201.7
67.5°	166.5
70°	131.4
72.5°	98.5
75°	70.4
77.5°	49.3
80°	32.8
82.5°	21.1
85°	18.8
87.5°	9.4
90°	0.0

(END OF REPORT)