

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: P365828

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8035-F6LBXVM1-MW-BL87**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365828
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-39)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX70D010TE-FEU6B67-8035-F6LBXVM1-MW-BL87
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.375", 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): 0.94 / 0.94 / 0.95
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

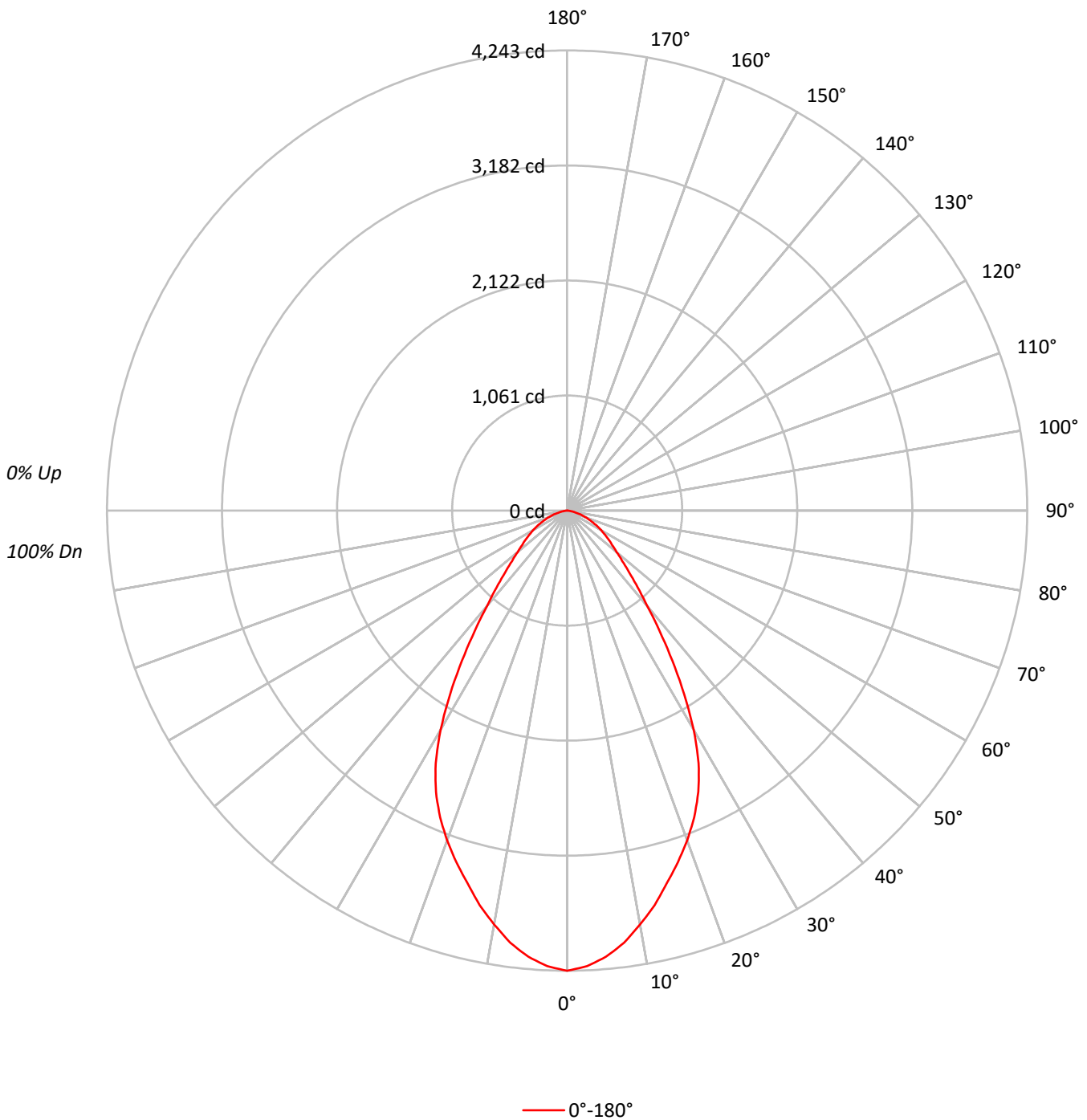
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	105	102	109	106	103	101	102	100	98		98	96	95		95	93	92	90
2	104	98	93	89	102	96	92	88	93	89	86		90	87	84		87	84	82	80
3	98	89	83	78	95	88	82	78	85	80	76		83	78	75		80	77	74	72
4	91	82	75	70	89	81	74	69	78	73	68		76	71	68		74	70	67	65
5	85	75	68	63	84	74	67	62	72	66	62		70	65	61		69	64	61	59
6	80	69	62	57	79	69	62	57	67	61	56		65	60	56		64	59	56	54
7	75	64	57	52	74	64	57	52	62	56	52		61	55	51		60	55	51	49
8	71	60	53	48	70	59	53	48	58	52	48		57	51	47		56	51	47	46
9	67	56	49	44	66	55	49	44	54	48	44		53	48	44		52	47	44	42
10	64	52	46	41	63	52	46	41	51	45	41		50	45	41		49	44	41	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	115899
5°	113194
10°	107466
15°	100497
20°	94050
25°	86264
30°	73595
35°	56341
40°	40960
45°	31247
50°	25323
55°	22226
60°	19743
65°	17167
70°	14527
75°	11366
80°	7535
85°	3009



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	386.1	7.4
10°-20°	999.3	19.2
20°-30°	1299.3	25.0
30°-40°	1058.9	20.4
40°-50°	639.4	12.3
50°-60°	419.9	8.1
60°-70°	265.2	5.1
70°-80°	115.9	2.2
80°-90°	16.9	0.3
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°	2684.8	51.6
0°-40°	3743.7	72.0
0°-60°	4803.0	92.3
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°	4243	
5°	4128	386
15°	3554	999
25°	2862	1299
35°	1690	1059
45°	809	639
55°	467	420
65°	266	265
75°	108	116
85°	10	17
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4243.0
2.5°	4204.7
5°	4128.2
7.5°	4018.1
10°	3874.5
12.5°	3726.1
15°	3553.8
17.5°	3398.2
20°	3235.5
22.5°	3060.8
25°	2862.2
27.5°	2625.3
30°	2333.3
32.5°	2007.8
35°	1689.6
37.5°	1397.6
40°	1148.7
42.5°	962.0
45°	808.9
47.5°	689.2
50°	595.9
52.5°	524.1
55°	466.7
57.5°	411.6
60°	361.4
62.5°	313.5
65°	265.6
67.5°	222.6
70°	181.9
72.5°	143.6
75°	107.7
77.5°	74.2
80°	47.9
82.5°	26.3
85°	9.6
87.5°	2.4
90°	0.0

(END OF REPORT)