

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: P365827

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8035-F6LBXVM1-MW-BL86**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365827
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-38)
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-BL86
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.250", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5422.0 lumens
Efficiency: N/A
Efficacy: 73.9 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

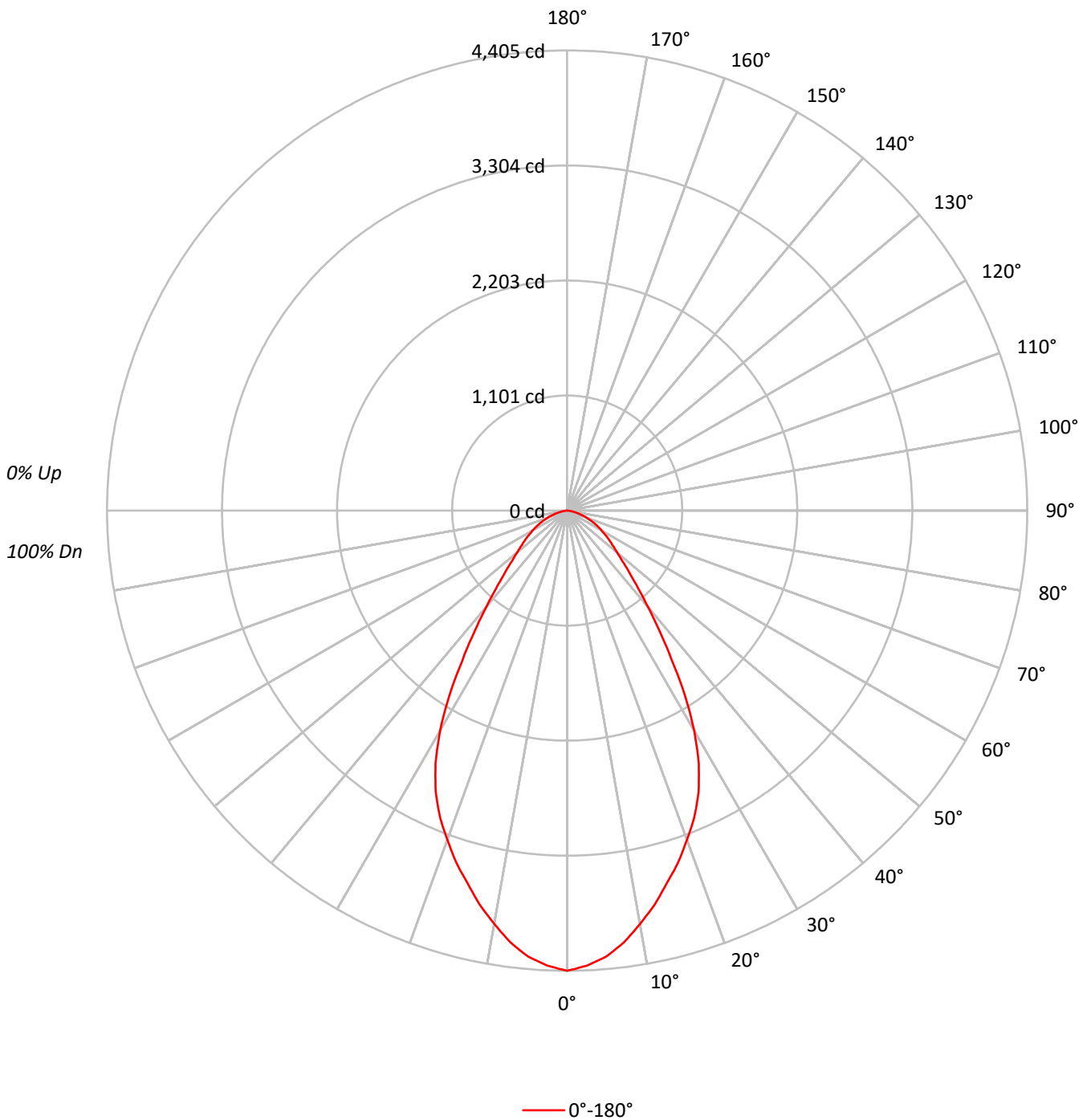
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	97		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	97	89	83	78	95	88	82	77	85	80	76		83	78	75		80	77	74	72
4	91	82	75	70	89	80	74	69	78	73	68		76	71	67		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	78	68	62	57	67	61	56		65	60	56		64	59	55	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	52	48	58	52	47		57	51	47		56	51	47	45
9	67	56	49	44	66	55	49	44	54	48	44		53	48	44		52	47	44	42
10	64	52	46	41	62	52	45	41	51	45	41		50	45	41		49	44	41	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	120335
5°	117515
10°	111440
15°	104346
20°	97451
25°	89718
30°	76682
35°	58332
40°	42750
45°	32538
50°	26542
55°	23364
60°	20787
65°	18252
70°	15478
75°	12126
80°	8274
85°	3761



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	400.6	7.4
10°-20°	1037.2	19.1
20°-30°	1350.4	24.9
30°-40°	1102.1	20.3
40°-50°	666.3	12.3
50°-60°	441.3	8.1
60°-70°	280.9	5.2
70°-80°	124.4	2.3
80°-90°	18.9	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°	2788.2	51.4
0°-40°	3890.3	71.7
0°-60°	4997.8	92.2
0°-90°	5422.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5422.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4405	
5°	4286	401
15°	3690	1037
25°	2977	1350
35°	1749	1102
45°	842	666
55°	491	441
65°	282	281
75°	115	124
85°	12	19
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4405.4
2.5°	4360.0
5°	4285.8
7.5°	4168.5
10°	4017.8
12.5°	3864.6
15°	3689.9
17.5°	3532.0
20°	3352.5
22.5°	3180.2
25°	2976.8
27.5°	2728.0
30°	2431.2
32.5°	2098.6
35°	1749.3
37.5°	1452.5
40°	1198.9
42.5°	997.9
45°	842.3
47.5°	720.3
50°	624.6
52.5°	550.4
55°	490.6
57.5°	433.1
60°	380.5
62.5°	330.2
65°	282.4
67.5°	236.9
70°	193.8
72.5°	153.1
75°	114.9
77.5°	81.4
80°	52.6
82.5°	28.7
85°	12.0
87.5°	2.4
90°	0.0

(END OF REPORT)