

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: P365234

Luminaire Tested: **FLD6BX10D010-FEU6B12-8050-F6LBXVM1-MW-BL87**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365234
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: FLD6BX10D010-FEU6B12-8050-F6LBXVM1-MW-BL87
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.375", 1000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 824.0 lumens
Efficiency: N/A
Efficacy: 82.4 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

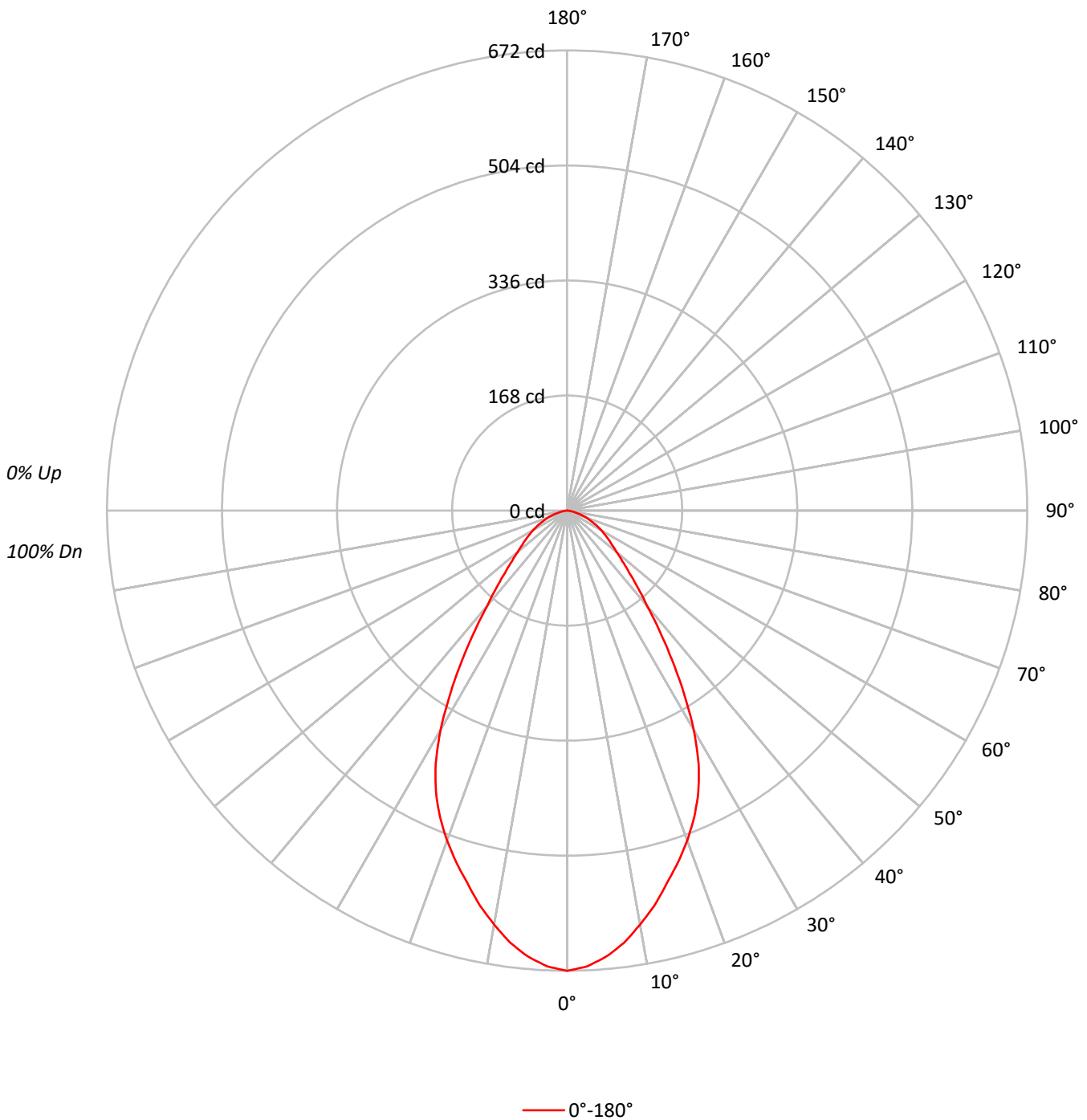
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	97	89	83	78	95	88	82	77	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°	18361
5°	17932
10°	17025
15°	15921
20°	14900
25°	13668
30°	11661
35°	8927
40°	6490
45°	4952
50°	4012
55°	3519
60°	3130
65°	2721
70°	2300
75°	1805
80°	1195
85°	470



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.2	7.4
10°-20°	158.3	19.2
20°-30°	205.9	25.0
30°-40°	167.8	20.4
40°-50°	101.3	12.3
50°-60°	66.5	8.1
60°-70°	42.0	5.1
70°-80°	18.4	2.2
80°-90°	2.7	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°	425.3	51.6
0°-40°	593.1	72.0
0°-60°	760.9	92.3
0°-90°	824.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	824.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	672	
5°	654	61
15°	563	158
25°	454	206
35°	268	168
45°	128	101
55°	74	67
65°	42	42
75°	17	18
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	672.2
2.5°	666.2
5°	654.0
7.5°	636.6
10°	613.8
12.5°	590.3
15°	563.0
17.5°	538.4
20°	512.6
22.5°	484.9
25°	453.5
27.5°	415.9
30°	369.7
32.5°	318.1
35°	267.7
37.5°	221.4
40°	182.0
42.5°	152.4
45°	128.2
47.5°	109.2
50°	94.4
52.5°	83.0
55°	73.9
57.5°	65.2
60°	57.3
62.5°	49.7
65°	42.1
67.5°	35.3
70°	28.8
72.5°	22.7
75°	17.1
77.5°	11.8
80°	7.6
82.5°	4.2
85°	1.5
87.5°	0.4
90°	0.0

(END OF REPORT)