

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: P365306

Luminaire Tested: **FLD6BX15D010-FEU6B12-8040-F6LBXVM1-MW-BL87**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365306
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: FLD6BX15D010-FEU6B12-8040-F6LBXVM1-MW-BL87
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.375", 1500LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1095.0 lumens
Efficiency: N/A
Efficacy: 77.1 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

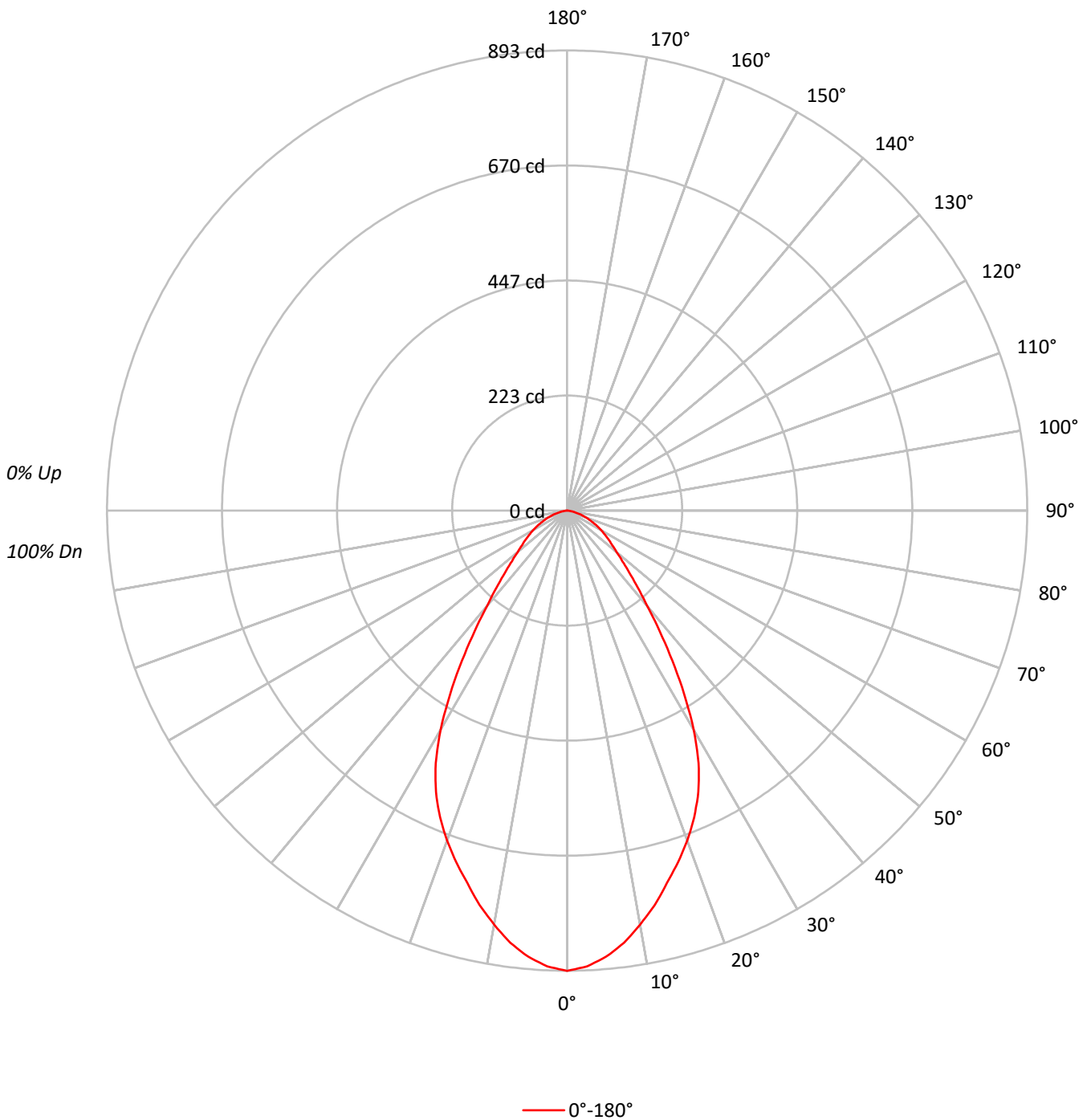
Input Watts (W): 14.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	24401
5°	23830
10°	22625
15°	21158
20°	19801
25°	18162
30°	15493
35°	11861
40°	8622
45°	6579
50°	5333
55°	4677
60°	4157
65°	3613
70°	3059
75°	2396
80°	1589
85°	627



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.3	7.4
10°-20°	210.4	19.2
20°-30°	273.6	25.0
30°-40°	222.9	20.4
40°-50°	134.6	12.3
50°-60°	88.4	8.1
60°-70°	55.8	5.1
70°-80°	24.4	2.2
80°-90°	3.5	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°	565.2	51.6
0°-40°	788.2	72.0
0°-60°	1011.2	92.3
0°-90°	1095.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1095.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	893	
5°	869	81
15°	748	210
25°	603	274
35°	356	223
45°	170	135
55°	98	88
65°	56	56
75°	23	24
85°	2	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	893.3
2.5°	885.3
5°	869.1
7.5°	846.0
10°	815.7
12.5°	784.5
15°	748.2
17.5°	715.5
20°	681.2
22.5°	644.4
25°	602.6
27.5°	552.7
30°	491.2
32.5°	422.7
35°	355.7
37.5°	294.2
40°	241.8
42.5°	202.5
45°	170.3
47.5°	145.1
50°	125.5
52.5°	110.3
55°	98.2
57.5°	86.7
60°	76.1
62.5°	66.0
65°	55.9
67.5°	46.9
70°	38.3
72.5°	30.2
75°	22.7
77.5°	15.6
80°	10.1
82.5°	5.5
85°	2.0
87.5°	0.5
90°	0.0

(END OF REPORT)