

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: P365315

Luminaire Tested: **FLD6BX15D010-FEU6B12-8040-F6LBXVM1-MW-BTR86**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365315
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-17)
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-BTR86
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.250", 1500LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 861.0 lumens
Efficiency: N/A
Efficacy: 60.6 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.83
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

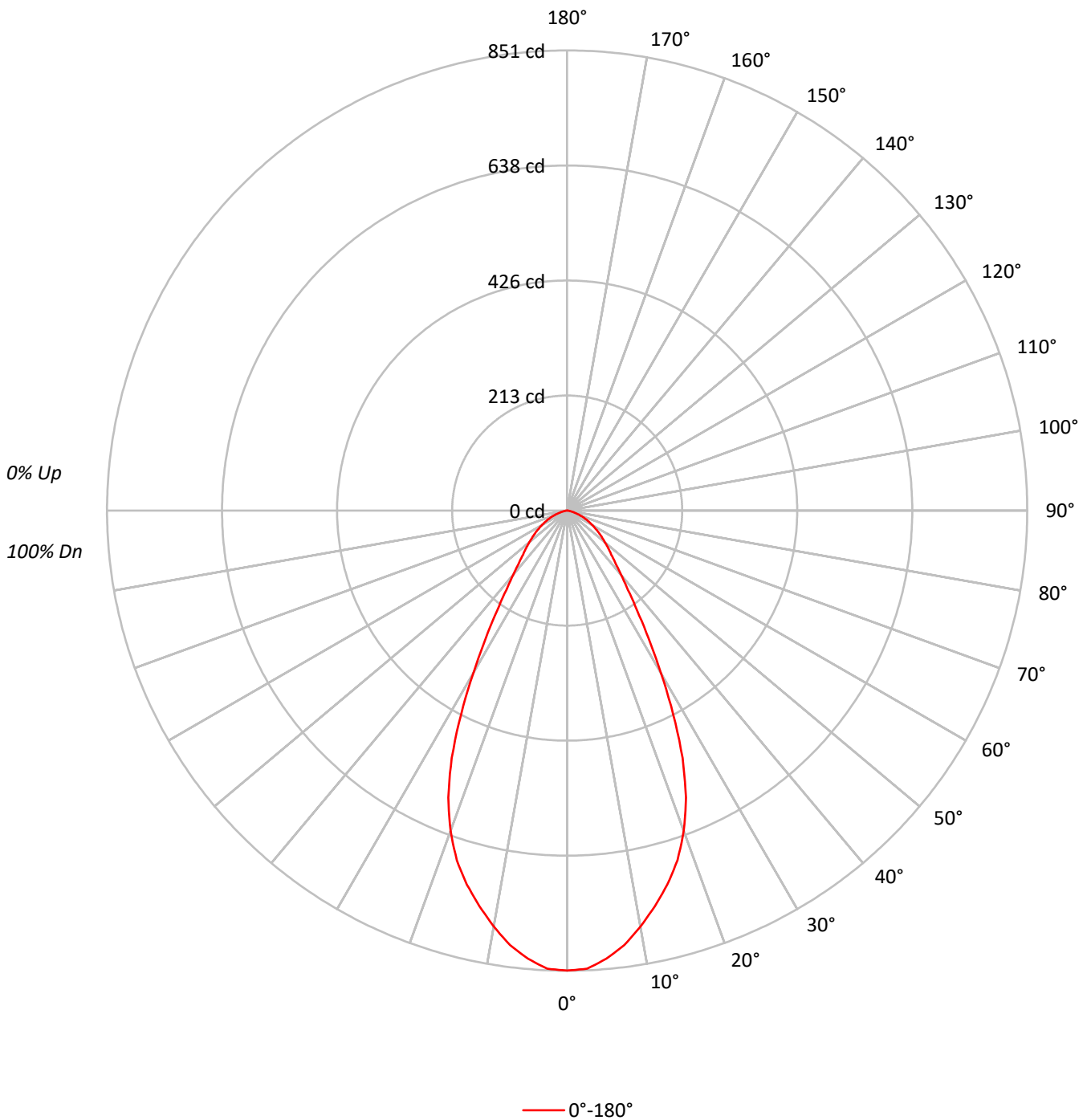
Input Watts (W): 14.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	106	103	110	107	104	101	103	100	98		99	97	95		95	94	93	91
2	105	99	94	90	103	98	93	89	94	91	87		91	88	85		88	86	84	82
3	99	91	85	80	97	90	84	80	87	82	78		84	80	77		82	79	76	74
4	93	84	77	72	91	83	77	72	80	75	71		78	74	70		76	72	69	68
5	87	78	71	66	86	77	70	65	75	69	65		73	68	64		71	67	64	62
6	82	72	65	60	81	71	65	60	70	64	60		68	63	59		67	62	59	57
7	78	67	60	56	76	66	60	55	65	59	55		64	59	55		63	58	54	53
8	74	63	56	51	72	62	56	51	61	55	51		60	55	51		59	54	51	49
9	70	59	52	48	69	59	52	48	58	52	48		57	51	48		56	51	47	46
10	66	56	49	45	65	55	49	45	54	49	45		53	48	45		53	48	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	60905
5°	59793
10°	56784
15°	53075
20°	48035
25°	39889
30°	28623
35°	19641
40°	14460
45°	11685
50°	10159
55°	8938
60°	7719
65°	6574
70°	5171
75°	3624
80°	2268
85°	2465



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.8	9.0
10°-20°	199.8	23.2
20°-30°	226.6	26.3
30°-40°	145.2	16.9
40°-50°	91.0	10.6
50°-60°	64.2	7.5
60°-70°	38.6	4.5
70°-80°	14.7	1.7
80°-90°	2.9	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°	504.2	58.6
0°-40°	649.5	75.4
0°-60°	804.8	93.5
0°-90°	861.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	861.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	851	
5°	832	78
15°	716	200
25°	505	227
35°	225	145
45°	115	91
55°	72	64
65°	39	39
75°	13	15
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	850.6
2.5°	848.0
5°	831.9
7.5°	810.3
10°	781.0
12.5°	749.3
15°	716.0
17.5°	678.2
20°	630.4
22.5°	574.4
25°	504.9
27.5°	424.8
30°	346.2
32.5°	279.7
35°	224.7
37.5°	184.9
40°	154.7
42.5°	132.5
45°	115.4
47.5°	102.8
50°	91.2
52.5°	81.1
55°	71.6
57.5°	62.5
60°	53.9
62.5°	46.4
65°	38.8
67.5°	31.7
70°	24.7
72.5°	18.6
75°	13.1
77.5°	9.1
80°	5.5
82.5°	3.5
85°	3.0
87.5°	1.5
90°	0.0

(END OF REPORT)