

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: P365254

Luminaire Tested: **FLD6BX15D010-FEU6B12-8027-F6LBXVM1-MW-BL89BV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365254
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-34)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX15D010-FEU6B12-8027-F6LBXVM1-MW-BL89BV
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS ACRYLIC, CLEAR 0.125", 1500LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1133.0 lumens
Efficiency: N/A
Efficacy: 79.8 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

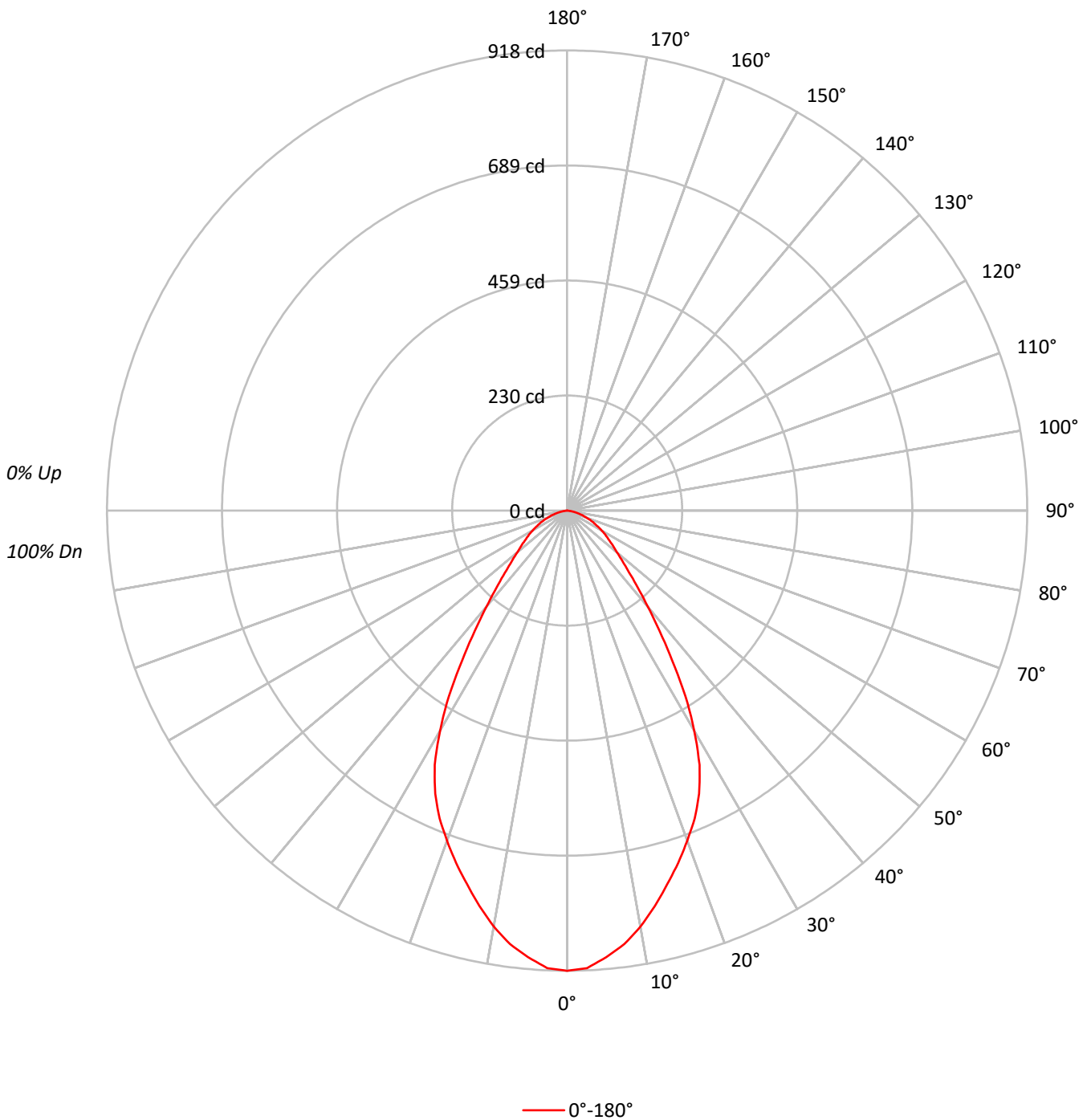
Input Watts (W): 14.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	82	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°	25081
5°	24521
10°	23379
15°	21826
20°	20368
25°	18777
30°	15991
35°	12165
40°	8907
45°	6776
50°	5507
55°	4834
60°	4343
65°	3839
70°	3250
75°	2565
80°	1762
85°	721



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.8	7.4
10°-20°	216.8	19.1
20°-30°	282.5	24.9
30°-40°	230.0	20.3
40°-50°	138.7	12.2
50°-60°	91.9	8.1
60°-70°	59.0	5.2
70°-80°	26.3	2.3
80°-90°	3.9	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°	583.1	51.5
0°-40°	813.1	71.8
0°-60°	1043.7	92.1
0°-90°	1133.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1133.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	918	
5°	894	84
15°	772	217
25°	623	282
35°	365	230
45°	175	139
55°	102	92
65°	59	59
75°	24	26
85°	2	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	918.2
2.5°	913.5
5°	894.3
7.5°	872.3
10°	842.9
12.5°	807.8
15°	771.8
17.5°	736.7
20°	700.7
22.5°	664.7
25°	623.0
27.5°	572.0
30°	507.0
32.5°	439.2
35°	364.8
37.5°	302.6
40°	249.8
42.5°	208.1
45°	175.4
47.5°	149.7
50°	129.6
52.5°	115.1
55°	101.5
57.5°	90.7
60°	79.5
62.5°	69.2
65°	59.4
67.5°	50.0
70°	40.7
72.5°	32.3
75°	24.3
77.5°	17.3
80°	11.2
82.5°	6.1
85°	2.3
87.5°	0.5
90°	0.0

(END OF REPORT)