

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: P365272

Luminaire Tested: **FLD6BX15D010-FEU6B12-8030-F6LBXVM1-MW-BL89BV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365272
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-FEU6B12-8030-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: 1184.0 lumens
Efficiency: N/A
Efficacy: 83.4 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

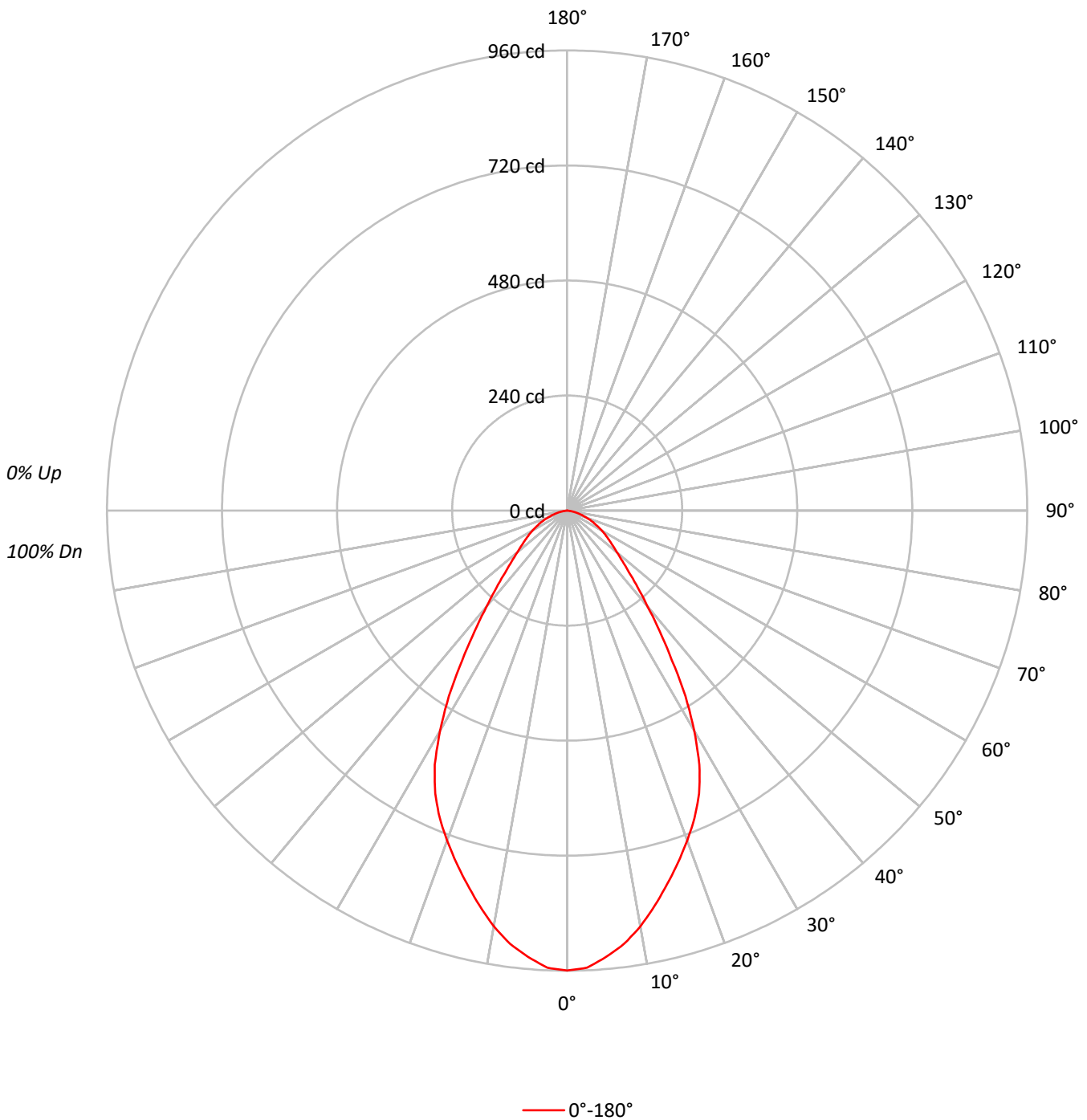
Input Watts (W): 14.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		100
1	112	108	105	102	109	106	103	101	102	100	97	98	96	95	95	93	92	90		90
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	80		80
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	77	74	72		72
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	74	70	67	65		65
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	59		59
6	80	69	62	57	78	68	62	57	67	61	56	65	60	56	64	59	55	54		54
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49		49
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45		45
9	67	56	49	44	66	55	49	44	54	48	44	53	48	44	52	47	44	42		42
10	64	52	46	41	62	52	45	41	51	45	41	50	45	41	49	44	41	39		39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	26209
5°	25626
10°	24430
15°	22807
20°	21284
25°	19624
30°	16714
35°	12715
40°	9307
45°	7081
50°	5754
55°	5053
60°	4540
65°	4014
70°	3394
75°	2681
80°	1840
85°	752



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.6	7.4
10°-20°	226.5	19.1
20°-30°	295.2	24.9
30°-40°	240.4	20.3
40°-50°	144.9	12.2
50°-60°	96.1	8.1
60°-70°	61.7	5.2
70°-80°	27.5	2.3
80°-90°	4.1	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°	609.4	51.5
0°-40°	849.7	71.8
0°-60°	1090.8	92.1
0°-90°	1184.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1184.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	960	
5°	935	88
15°	806	227
25°	651	295
35°	381	240
45°	183	145
55°	106	96
65°	62	62
75°	25	27
85°	2	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	959.5
2.5°	954.6
5°	934.6
7.5°	911.6
10°	880.8
12.5°	844.2
15°	806.5
17.5°	769.9
20°	732.2
22.5°	694.6
25°	651.1
27.5°	597.8
30°	529.9
32.5°	459.0
35°	381.3
37.5°	316.3
40°	261.0
42.5°	217.5
45°	183.3
47.5°	156.4
50°	135.4
52.5°	120.2
55°	106.1
57.5°	94.8
60°	83.1
62.5°	72.3
65°	62.1
67.5°	52.3
70°	42.5
72.5°	33.7
75°	25.4
77.5°	18.1
80°	11.7
82.5°	6.4
85°	2.4
87.5°	0.5
90°	0.0

(END OF REPORT)