

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: P366011

Luminaire Tested: **FLD6BX15D010-FEU6B12-8035-F6LBXVM1-WMH-BL89BW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366011
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-46)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX15D010-FEU6B12-8035-F6LBXVM1-WMH-BL89BW
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, WARM HAZE REFLECTOR, BOTTOM LENS ACRYLIC OPAL SMOOTH, CLEAR 0.125", 1500LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1006.0 lumens
Efficiency: N/A
Efficacy: 70.8 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.36
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

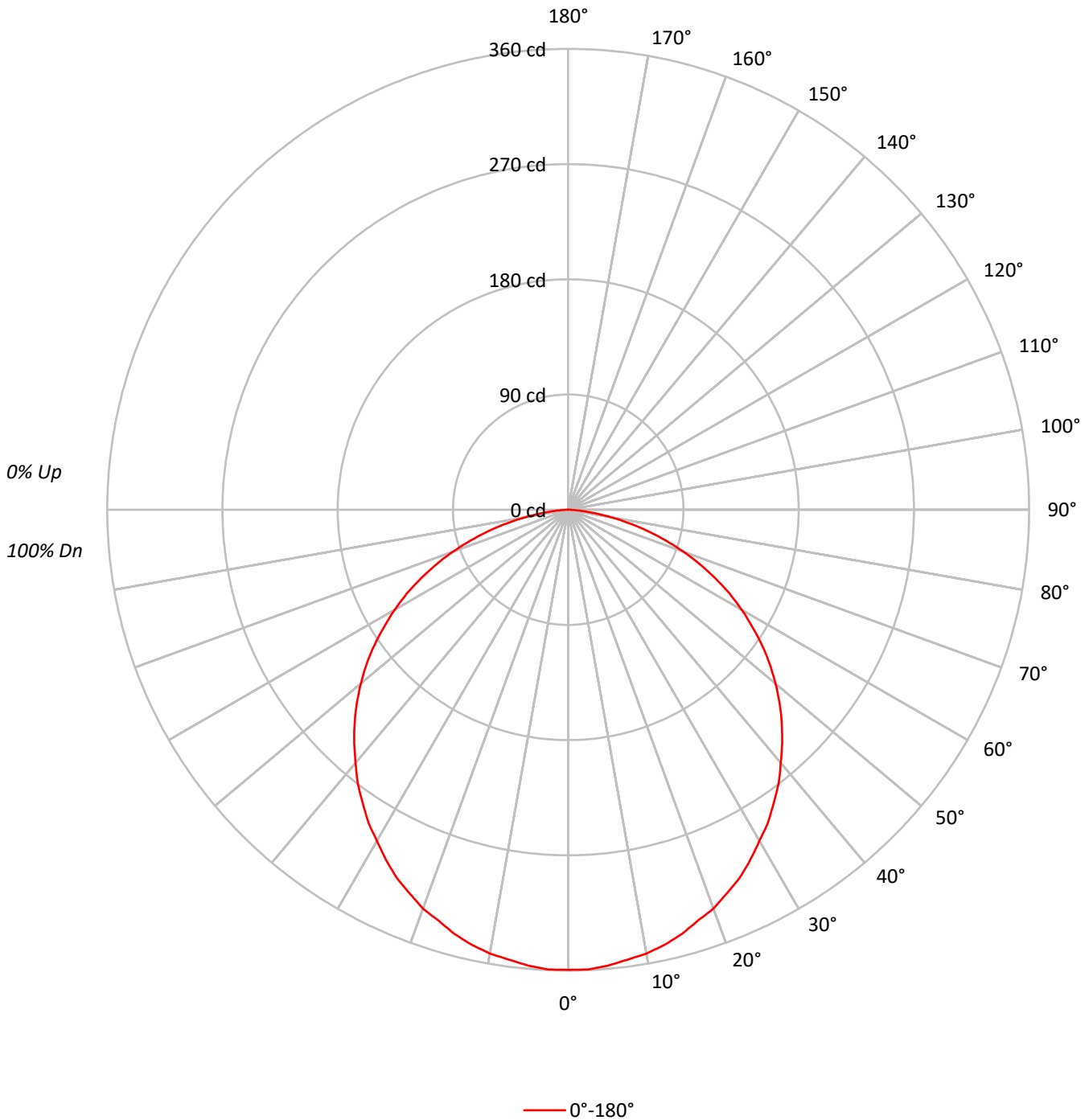
Input Watts (W): 14.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	104	100	96	106	102	98	95	98	94	92		94	91	89		90	88	86	84
2	99	91	84	78	96	89	83	77	85	80	76		82	78	74		79	75	72	70
3	90	80	72	65	88	78	71	64	75	69	63		72	67	62		70	65	61	59
4	83	71	62	55	80	69	61	55	67	60	54		64	58	53		62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	47		58	51	46		56	50	46	43
6	70	57	48	41	68	56	47	41	54	46	41		52	45	40		51	45	40	38
7	65	51	43	36	63	51	42	36	49	41	36		48	41	36		46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32		44	37	32		42	36	32	30
9	56	43	35	29	55	42	35	29	41	34	29		40	34	29		39	33	29	27
10	53	40	32	26	52	39	32	26	38	31	26		37	31	26		36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	9820
5°	9803
10°	9763
15°	9702
20°	9639
25°	9557
30°	9421
35°	9327
40°	9210
45°	9113
50°	8983
55°	8810
60°	8555
65°	8189
70°	7643
75°	6786
80°	5411
85°	3291



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.9	3.4
10°-20°	96.7	9.6
20°-30°	145.9	14.5
30°-40°	175.1	17.4
40°-50°	181.9	18.1
50°-60°	165.1	16.4
60°-70°	125.2	12.4
70°-80°	68.0	6.8
80°-90°	14.2	1.4
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°	276.6	27.5
0°-40°	451.7	44.9
0°-60°	798.6	79.4
0°-90°	1006.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1006.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	360	
5°	358	34
15°	343	97
25°	317	146
35°	280	175
45°	236	182
55°	185	165
65°	127	125
75°	64	68
85°	10	14
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	359.5
2.5°	359.5
5°	357.5
7.5°	354.5
10°	352.0
12.5°	348.1
15°	343.1
17.5°	336.6
20°	331.6
22.5°	324.1
25°	317.1
27.5°	308.2
30°	298.7
32.5°	290.2
35°	279.7
37.5°	269.8
40°	258.3
42.5°	247.3
45°	235.9
47.5°	223.9
50°	211.4
52.5°	198.5
55°	185.0
57.5°	170.5
60°	156.6
62.5°	142.1
65°	126.7
67.5°	111.2
70°	95.7
72.5°	79.8
75°	64.3
77.5°	48.9
80°	34.4
82.5°	21.4
85°	10.5
87.5°	3.0
90°	0.0

(END OF REPORT)