

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: P364571

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364571
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-42)
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-LI-BL89BW
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, SPECULAR CLEAR REFLECTOR,
BOTTOM LENS ACRYLIC OPAL SMOOTH, CLEAR 0.125", 1500LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1028.0 lumens
Efficiency: N/A
Efficacy: 72.4 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

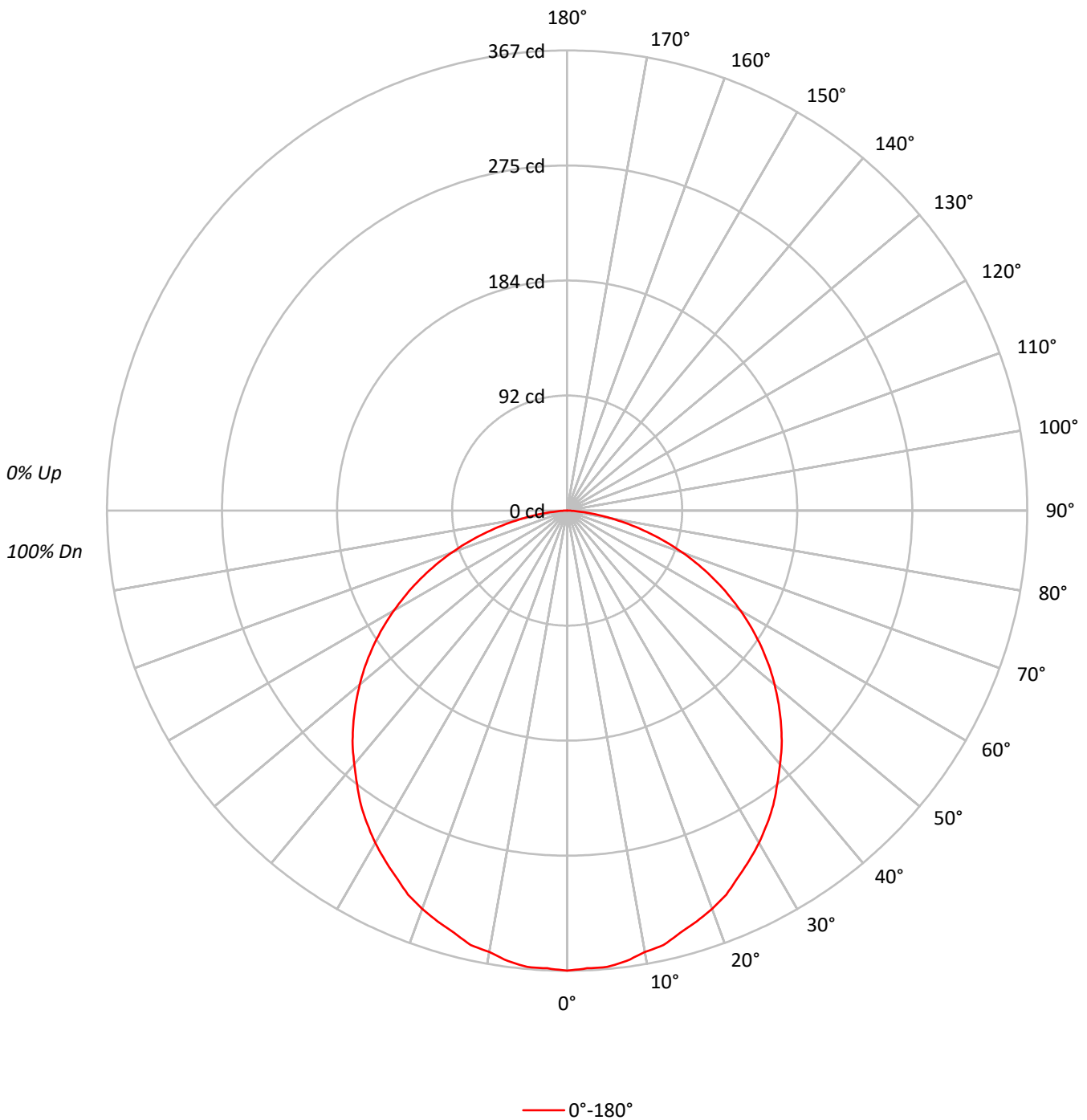
Input Watts (W): 14.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	75		82	78	74		79	75	72	70
3	90	80	71	65	88	78	70	64	75	69	63		72	67	62		70	65	61	59
4	83	71	62	55	80	69	61	55	67	59	54		64	58	53		62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	46		58	51	46		56	50	45	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	34	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°	10022
5°	10019
10°	9913
15°	9855
20°	9825
25°	9723
30°	9655
35°	9560
40°	9421
45°	9321
50°	9175
55°	8996
60°	8714
65°	8344
70°	7803
75°	6944
80°	5569
85°	3447



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.6	3.4
10°-20°	98.5	9.6
20°-30°	148.9	14.5
30°-40°	179.1	17.4
40°-50°	186.0	18.1
50°-60°	168.6	16.4
60°-70°	127.7	12.4
70°-80°	69.7	6.8
80°-90°	14.8	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°	282.1	27.4
0°-40°	461.2	44.9
0°-60°	815.8	79.4
0°-90°	1028.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1028.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	367	
5°	365	35
15°	348	99
25°	323	149
35°	287	179
45°	241	186
55°	189	169
65°	129	128
75°	66	70
85°	11	15
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	366.9
2.5°	365.4
5°	365.4
7.5°	362.4
10°	357.4
12.5°	355.0
15°	348.5
17.5°	343.5
20°	338.0
22.5°	331.5
25°	322.6
27.5°	314.6
30°	306.1
32.5°	296.6
35°	286.7
37.5°	275.2
40°	264.2
42.5°	253.3
45°	241.3
47.5°	228.8
50°	215.9
52.5°	202.9
55°	188.9
57.5°	174.5
60°	159.5
62.5°	144.6
65°	129.1
67.5°	113.7
70°	97.7
72.5°	81.8
75°	65.8
77.5°	50.4
80°	35.4
82.5°	22.4
85°	11.0
87.5°	3.5
90°	0.0

(END OF REPORT)