

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: P364569

Luminaire Tested: **FLD6BX15D010-FEU6B12-8035-F6LBXVM1-LI-BL89AM**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364569
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-44)
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-BL89AM
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, SPECULAR CLEAR REFLECTOR,
BOTTOM LENS POLYCARBONATE, OPAL SMOOTH 0.125", 1500LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 572.0 lumens
Efficiency: N/A
Efficacy: 40.3 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

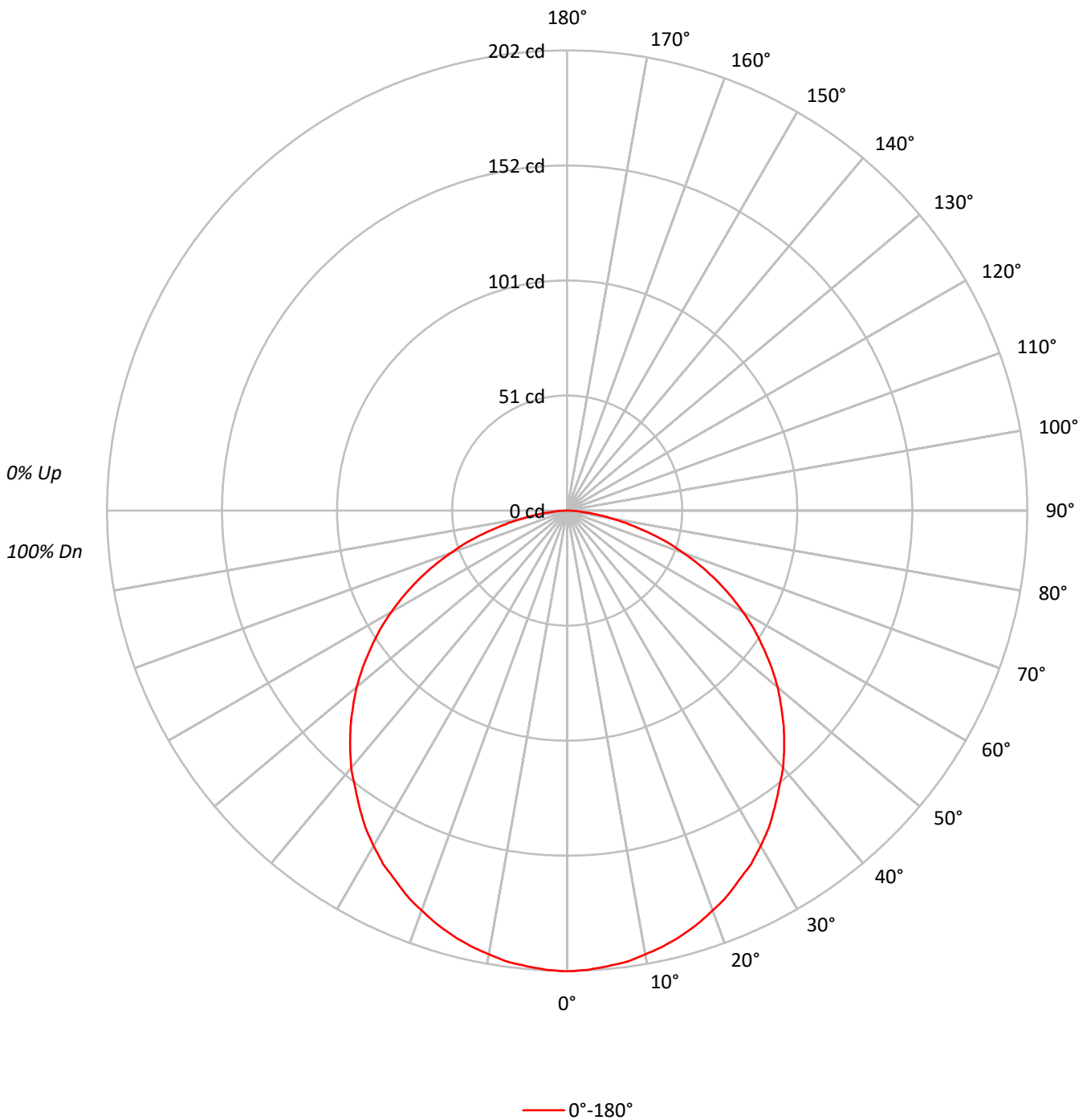
Input Watts (W): 14.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	94	98	94	91		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	68	63		72	67	62		70	65	61	59
4	82	70	62	55	80	69	61	54	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	42	36	63	50	42	36	49	41	36		47	41	36		46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32		43	37	32		42	36	32	30
9	56	43	35	29	55	42	34	29	41	34	29		40	33	29		39	33	29	27
10	53	40	32	26	52	39	31	26	38	31	26		37	31	26		36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	5526
5°	5506
10°	5486
15°	5466
20°	5430
25°	5389
30°	5359
35°	5299
40°	5259
45°	5196
50°	5125
55°	5005
60°	4873
65°	4667
70°	4337
75°	3842
80°	3130
85°	2037



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.1	3.3
10°-20°	54.5	9.5
20°-30°	82.5	14.4
30°-40°	99.5	17.4
40°-50°	103.7	18.1
50°-60°	94.1	16.4
60°-70°	71.2	12.5
70°-80°	38.8	6.8
80°-90°	8.6	1.5
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°	156.2	27.3
0°-40°	255.7	44.7
0°-60°	453.5	79.3
0°-90°	572.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	572.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	202	
5°	201	19
15°	193	55
25°	179	83
35°	159	100
45°	134	104
55°	105	94
65°	72	71
75°	36	39
85°	6	9
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	202.3
2.5°	201.8
5°	200.8
7.5°	199.8
10°	197.8
12.5°	195.8
15°	193.3
17.5°	190.3
20°	186.8
22.5°	183.3
25°	178.8
27.5°	174.9
30°	169.9
32.5°	164.9
35°	158.9
37.5°	152.9
40°	147.5
42.5°	141.0
45°	134.5
47.5°	127.5
50°	120.6
52.5°	113.1
55°	105.1
57.5°	97.6
60°	89.2
62.5°	80.7
65°	72.2
67.5°	63.3
70°	54.3
72.5°	45.8
75°	36.4
77.5°	27.9
80°	19.9
82.5°	12.5
85°	6.5
87.5°	2.5
90°	0.0

(END OF REPORT)