

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: P364572

Luminaire Tested: **FLD6BX15D010-FEU6B12-8035-F6LBXVM1-LI-BTR80**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364572
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-23)
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-BTR80
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM ACRYLIC, PATTERN 12 0.125", 1500LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1155.0 lumens
Efficiency: N/A
Efficacy: 81.3 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.87
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

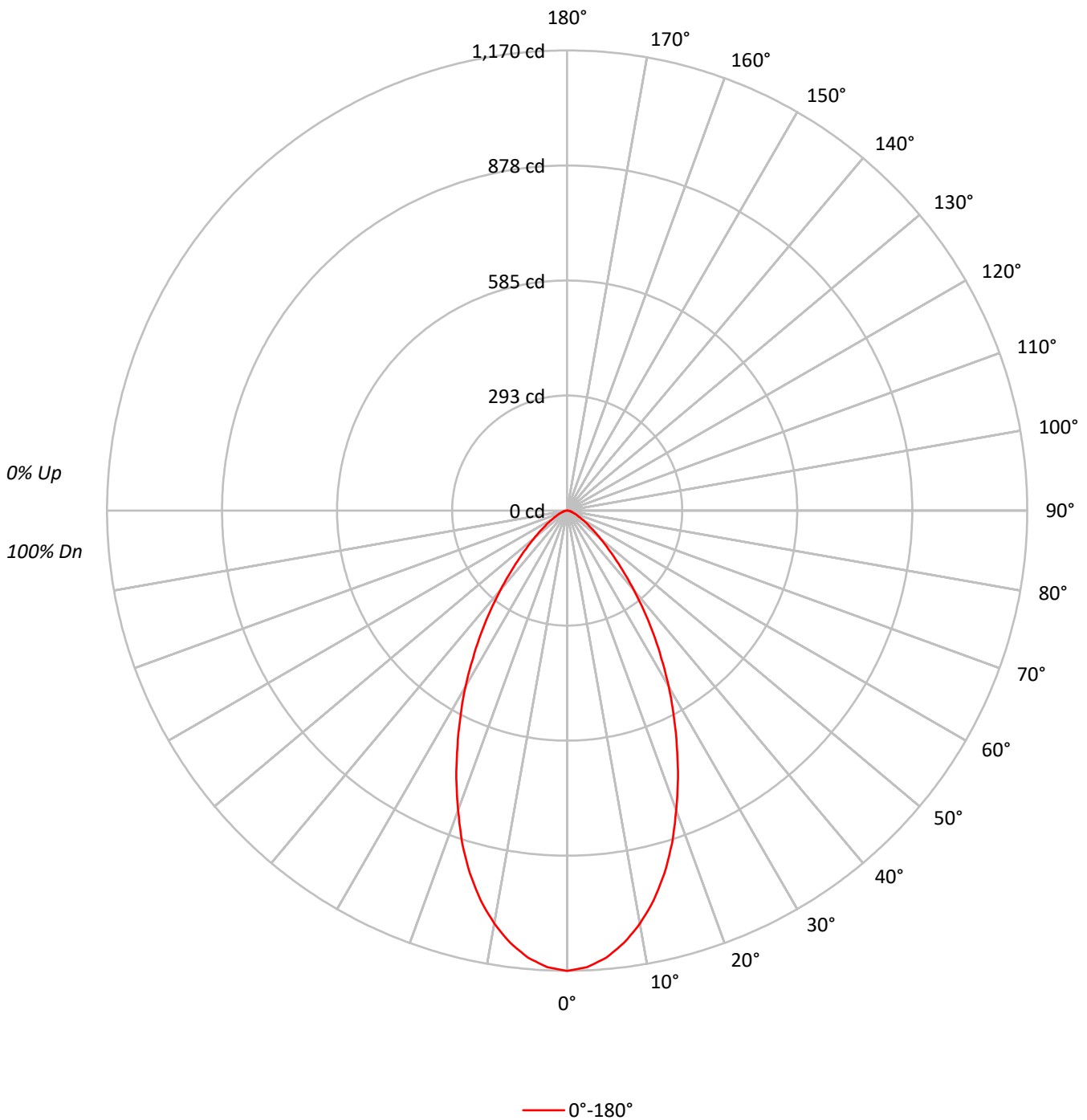
Input Watts (W): 14.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	109	106	104	110	107	105	102	103	101	99		99	98	96		96	95	93	91
2	106	100	96	92	104	99	94	91	95	92	89		92	89	87		89	87	85	83
3	100	92	87	82	98	91	86	81	88	84	80		86	82	79		83	80	78	76
4	94	85	79	74	92	84	78	74	82	77	73		80	75	72		78	74	71	69
5	88	79	72	67	87	78	72	67	76	71	67		74	70	66		73	69	65	64
6	83	73	67	62	82	73	66	62	71	65	61		69	65	61		68	64	60	59
7	79	68	62	57	77	68	61	57	66	61	57		65	60	56		64	59	56	54
8	75	64	57	53	73	63	57	53	62	57	52		61	56	52		60	55	52	50
9	71	60	54	49	69	60	53	49	59	53	49		58	52	49		57	52	49	47
10	67	57	50	46	66	56	50	46	55	50	46		54	49	46		54	49	45	44

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	83803
5°	82010
10°	77520
15°	70792
20°	61750
25°	52127
30°	42720
35°	33391
40°	24611
45°	17326
50°	12220
55°	8651
60°	6143
65°	4558
70°	3559
75°	2905
80°	2680
85°	2875



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.5	9.2
10°-20°	265.3	23.0
20°-30°	302.2	26.2
30°-40°	238.5	20.7
40°-50°	135.6	11.7
50°-60°	64.0	5.5
60°-70°	27.7	2.4
70°-80°	11.5	1.0
80°-90°	3.7	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°	674.0	58.4
0°-40°	912.6	79.0
0°-60°	1112.1	96.3
0°-90°	1155.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1155.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1170	
5°	1141	107
15°	955	265
25°	660	302
35°	382	239
45°	171	136
55°	69	64
65°	27	28
75°	10	12
85°	4	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1170.4
2.5°	1162.0
5°	1141.0
7.5°	1108.6
10°	1066.2
12.5°	1015.4
15°	955.0
17.5°	886.7
20°	810.4
22.5°	736.6
25°	659.8
27.5°	586.5
30°	516.7
32.5°	445.8
35°	382.0
37.5°	320.7
40°	263.3
42.5°	214.4
45°	171.1
47.5°	136.6
50°	109.7
52.5°	87.3
55°	69.3
57.5°	54.9
60°	42.9
62.5°	33.9
65°	26.9
67.5°	21.4
70°	17.0
72.5°	13.5
75°	10.5
77.5°	8.0
80°	6.5
82.5°	5.0
85°	3.5
87.5°	2.0
90°	0.0

(END OF REPORT)