

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: P364590

Luminaire Tested: **FLD6BX15D010-FEU6B12-8040-F6LBXVM1-LI-BTR80**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364590
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-FEU6B12-8040-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: 1167.0 lumens
Efficiency: N/A
Efficacy: 82.2 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

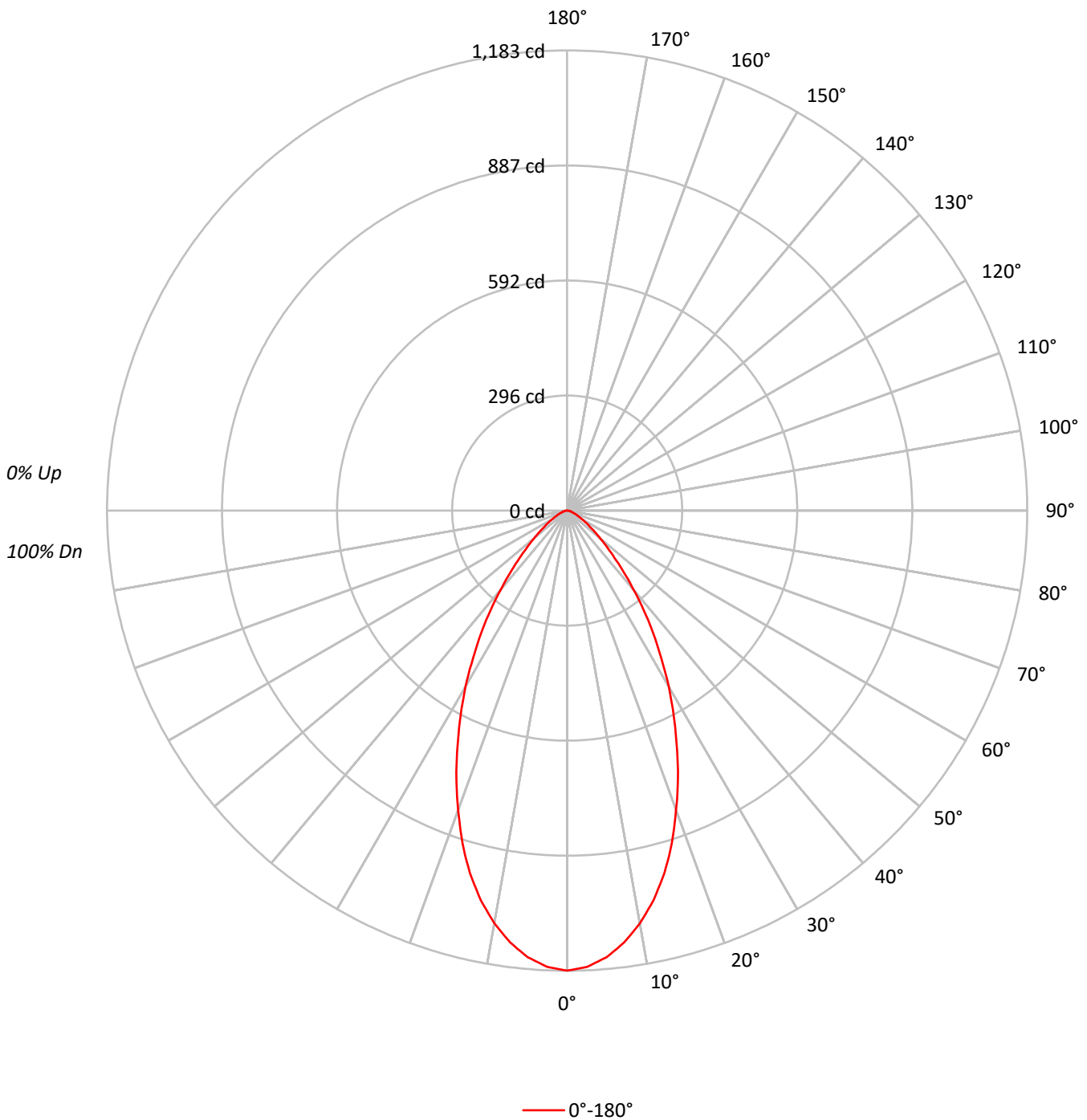
Input Watts (W): 14.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	84676
5°	82865
10°	78327
15°	71526
20°	62390
25°	52664
30°	43158
35°	33740
40°	24863
45°	17498
50°	12353
55°	8738
60°	6201
65°	4608
70°	3580
75°	2932
80°	2721
85°	2875



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.6	9.2
10°-20°	268.0	23.0
20°-30°	305.3	26.2
30°-40°	241.0	20.7
40°-50°	137.0	11.7
50°-60°	64.6	5.5
60°-70°	28.0	2.4
70°-80°	11.6	1.0
80°-90°	3.8	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°	681.0	58.4
0°-40°	922.0	79.0
0°-60°	1123.6	96.3
0°-90°	1167.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1167.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1183	
5°	1153	108
15°	965	268
25°	667	305
35°	386	241
45°	173	137
55°	70	65
65°	27	28
75°	11	12
85°	4	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1182.6
2.5°	1174.0
5°	1152.9
7.5°	1120.1
10°	1077.3
12.5°	1025.9
15°	964.9
17.5°	895.9
20°	818.8
22.5°	744.2
25°	666.6
27.5°	592.6
30°	522.0
32.5°	450.5
35°	386.0
37.5°	324.0
40°	266.0
42.5°	216.7
45°	172.8
47.5°	138.1
50°	110.9
52.5°	88.2
55°	70.0
57.5°	55.4
60°	43.3
62.5°	34.3
65°	27.2
67.5°	21.7
70°	17.1
72.5°	13.6
75°	10.6
77.5°	8.1
80°	6.6
82.5°	5.0
85°	3.5
87.5°	2.0
90°	0.0

(END OF REPORT)