

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: P366016

Luminaire Tested: **FLD6BX15D010-FEU6B12-8035-F6LBXVM1-WMH-BTR85**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366016
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-30)
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-BTR85
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.187", 1500LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1102.1 lumens
Efficiency: N/A
Efficacy: 77.6 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.8
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

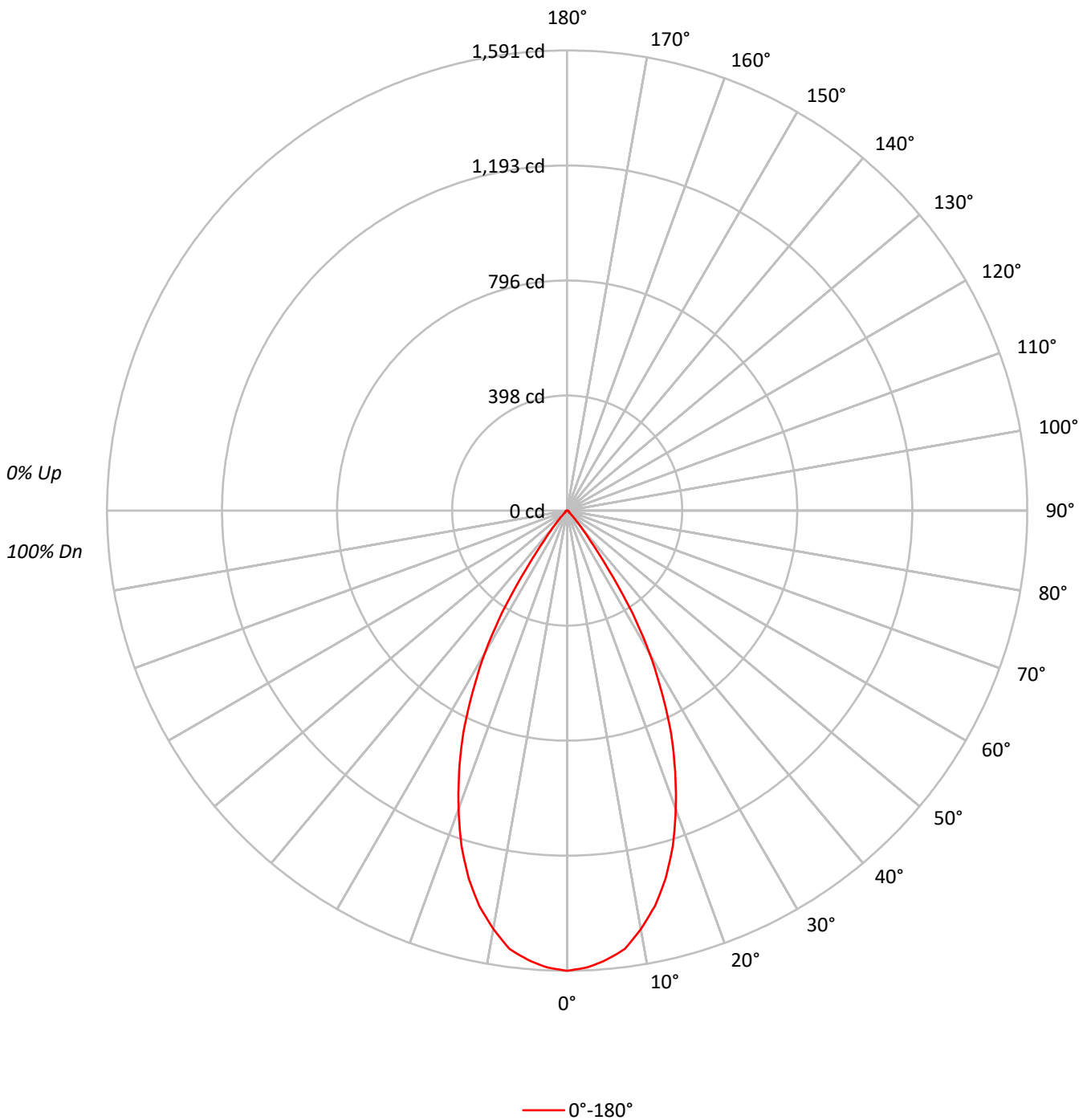
Input Watts (W): 14.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	92	90	88
3	104	98	93	89	102	96	92	89	94	90	87	91	88	86	89	87	84	83
4	99	92	87	83	97	91	86	82	89	85	81	87	83	80	85	82	80	78
5	94	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	74
6	90	82	76	72	89	81	76	72	80	75	72	78	74	71	77	74	71	69
7	86	78	72	68	85	77	72	68	76	71	68	75	70	67	73	70	67	66
8	82	74	68	64	81	73	68	64	72	67	64	71	67	64	70	66	63	62
9	79	70	64	61	78	69	64	61	69	64	60	68	63	60	67	63	60	59
10	76	67	61	58	75	66	61	58	65	61	57	65	60	57	64	60	57	56

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	113933
5°	112061
10°	106777
15°	97567
20°	83672
25°	67138
30°	47069
35°	21748
40°	6982
45°	2258
50°	1047
55°	924
60°	917
65°	830
70°	837
75°	968
80°	1237
85°	2054



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.2	13.3
10°-20°	364.2	33.0
20°-30°	382.5	34.7
30°-40°	169.8	15.4
40°-50°	22.0	2.0
50°-60°	6.8	0.6
60°-70°	4.8	0.4
70°-80°	3.6	0.3
80°-90°	2.2	0.2
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°	893.0	81.0
0°-40°	1062.7	96.4
0°-60°	1091.5	99.0
0°-90°	1102.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1102.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1591	
5°	1559	146
15°	1316	364
25°	850	383
35°	249	170
45°	22	22
55°	7	7
65°	5	5
75°	4	4
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1591.2
2.5°	1581.3
5°	1559.1
7.5°	1528.9
10°	1468.6
12.5°	1400.8
15°	1316.2
17.5°	1214.8
20°	1098.1
22.5°	975.4
25°	849.8
27.5°	708.8
30°	569.3
32.5°	418.5
35°	248.8
37.5°	132.6
40°	74.7
42.5°	41.1
45°	22.3
47.5°	11.4
50°	9.4
52.5°	8.4
55°	7.4
57.5°	6.9
60°	6.4
62.5°	5.4
65°	4.9
67.5°	4.0
70°	4.0
72.5°	3.5
75°	3.5
77.5°	3.0
80°	3.0
82.5°	2.5
85°	2.5
87.5°	1.5
90°	0.0

(END OF REPORT)