

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: P365931

Luminaire Tested: **FLD6BX10D010-FEU6B12-8035-F6LBXVM1-WMH-BTR94**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365931
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-33)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX10D010-FEU6B12-8035-F6LBXVM1-WMH-BTR94
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM GLASS, TEMPERED CLEAR 0.187", 1000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 830.0 lumens
Efficiency: N/A
Efficacy: 83.0 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

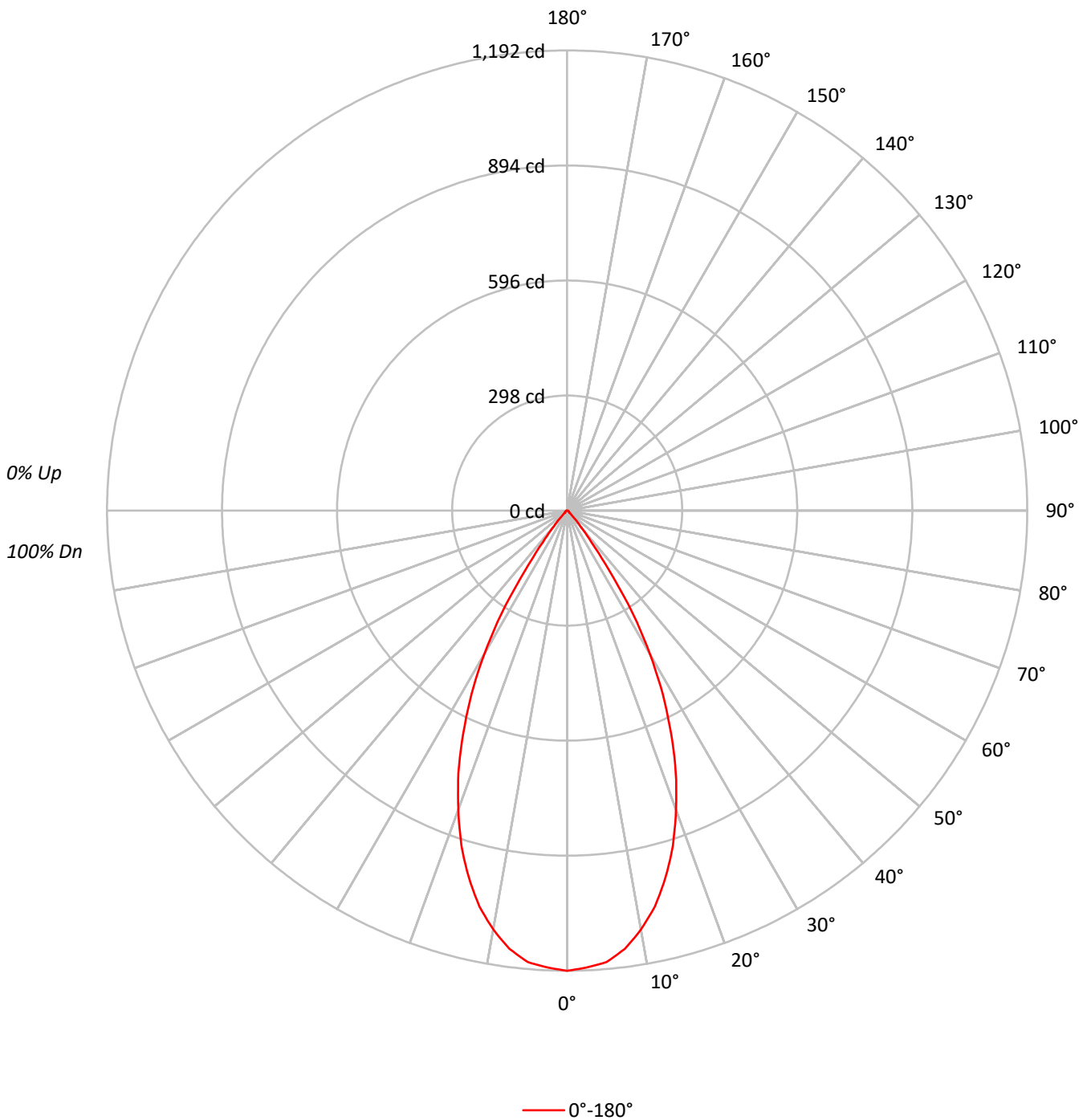
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	88	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	79	78
5	94	87	81	77	93	86	81	77	84	80	76	82	78	75	81	77	75	73
6	90	82	76	72	89	81	76	72	80	75	72	78	74	71	77	73	71	69
7	86	78	72	68	85	77	72	68	76	71	67	74	70	67	73	70	67	65
8	82	74	68	64	81	73	68	64	72	67	64	71	67	63	70	66	63	62
9	79	70	64	61	78	69	64	61	68	64	60	68	63	60	67	63	60	59
10	76	66	61	57	75	66	61	57	65	61	57	65	60	57	64	60	57	56

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	85357
5°	84389
10°	80115
15°	72956
20°	62794
25°	50302
30°	35494
35°	16442
40°	5346
45°	1711
50°	813
55°	737
60°	687
65°	627
70°	607
75°	802
80°	907
85°	1479



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.7	13.2
10°-20°	273.0	32.9
20°-30°	288.1	34.7
30°-40°	128.9	15.5
40°-50°	16.9	2.0
50°-60°	5.2	0.6
60°-70°	3.7	0.4
70°-80°	2.9	0.3
80°-90°	1.7	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°	670.7	80.8
0°-40°	799.7	96.3
0°-60°	821.7	99.0
0°-90°	830.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	830.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1192	
5°	1174	110
15°	984	273
25°	637	288
35°	188	129
45°	17	17
55°	6	5
65°	4	4
75°	3	3
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1192.1
2.5°	1184.4
5°	1174.1
7.5°	1145.2
10°	1101.9
12.5°	1050.2
15°	984.2
17.5°	910.9
20°	824.1
22.5°	735.7
25°	636.7
27.5°	536.7
30°	429.3
32.5°	318.2
35°	188.1
37.5°	102.3
40°	57.2
42.5°	31.9
45°	16.9
47.5°	8.8
50°	7.3
52.5°	6.2
55°	5.9
57.5°	5.1
60°	4.8
62.5°	4.0
65°	3.7
67.5°	3.3
70°	2.9
72.5°	2.9
75°	2.9
77.5°	2.6
80°	2.2
82.5°	2.2
85°	1.8
87.5°	1.1
90°	0.0

(END OF REPORT)