

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: P364464

Luminaire Tested: **FLD6BX10D010-FEU6B12-8030-F6LBXVM1-LI-BTR80**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364464
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: FLD6BX10D010-FEU6B12-8030-F6LBXVM1-LI-BTR80
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM ACRYLIC, PATTERN 12 0.125", 1000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 832.0 lumens
Efficiency: N/A
Efficacy: 83.2 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

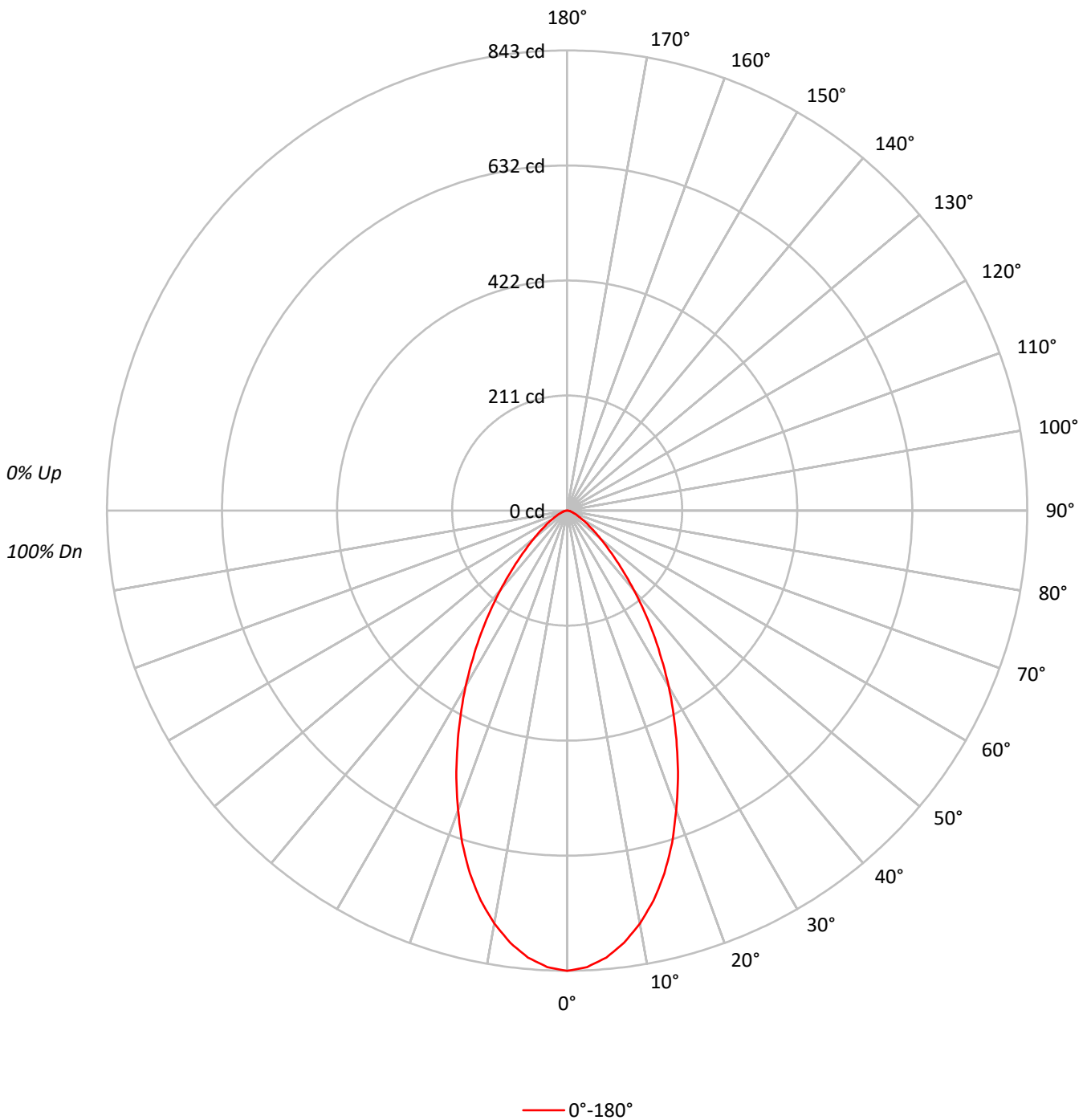
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	60368
5°	59074
10°	55839
15°	50992
20°	44484
25°	37551
30°	30773
35°	24055
40°	17731
45°	12475
50°	8800
55°	6229
60°	4425
65°	3287
70°	2554
75°	2075
80°	1938
85°	2054



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.7	9.2
10°-20°	191.1	23.0
20°-30°	217.7	26.2
30°-40°	171.8	20.7
40°-50°	97.7	11.7
50°-60°	46.1	5.5
60°-70°	19.9	2.4
70°-80°	8.3	1.0
80°-90°	2.7	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°	485.5	58.4
0°-40°	657.4	79.0
0°-60°	801.1	96.3
0°-90°	832.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	832.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	843	
5°	822	77
15°	688	191
25°	475	218
35°	275	172
45°	123	98
55°	50	46
65°	19	20
75°	8	8
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	843.1
2.5°	837.0
5°	821.9
7.5°	798.6
10°	768.0
12.5°	731.4
15°	687.9
17.5°	638.7
20°	583.8
22.5°	530.6
25°	475.3
27.5°	422.5
30°	372.2
32.5°	321.2
35°	275.2
37.5°	231.0
40°	189.7
42.5°	154.5
45°	123.2
47.5°	98.4
50°	79.0
52.5°	62.9
55°	49.9
57.5°	39.5
60°	30.9
62.5°	24.4
65°	19.4
67.5°	15.4
70°	12.2
72.5°	9.7
75°	7.5
77.5°	5.7
80°	4.7
82.5°	3.6
85°	2.5
87.5°	1.4
90°	0.0

(END OF REPORT)