

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: P364446

Luminaire Tested: **FLD6BX10D010-FEU6B12-8027-F6LBXVM1-LI-BTR80**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364446
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-FEU6B12-8027-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: 796.1 lumens
Efficiency: N/A
Efficacy: 79.6 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

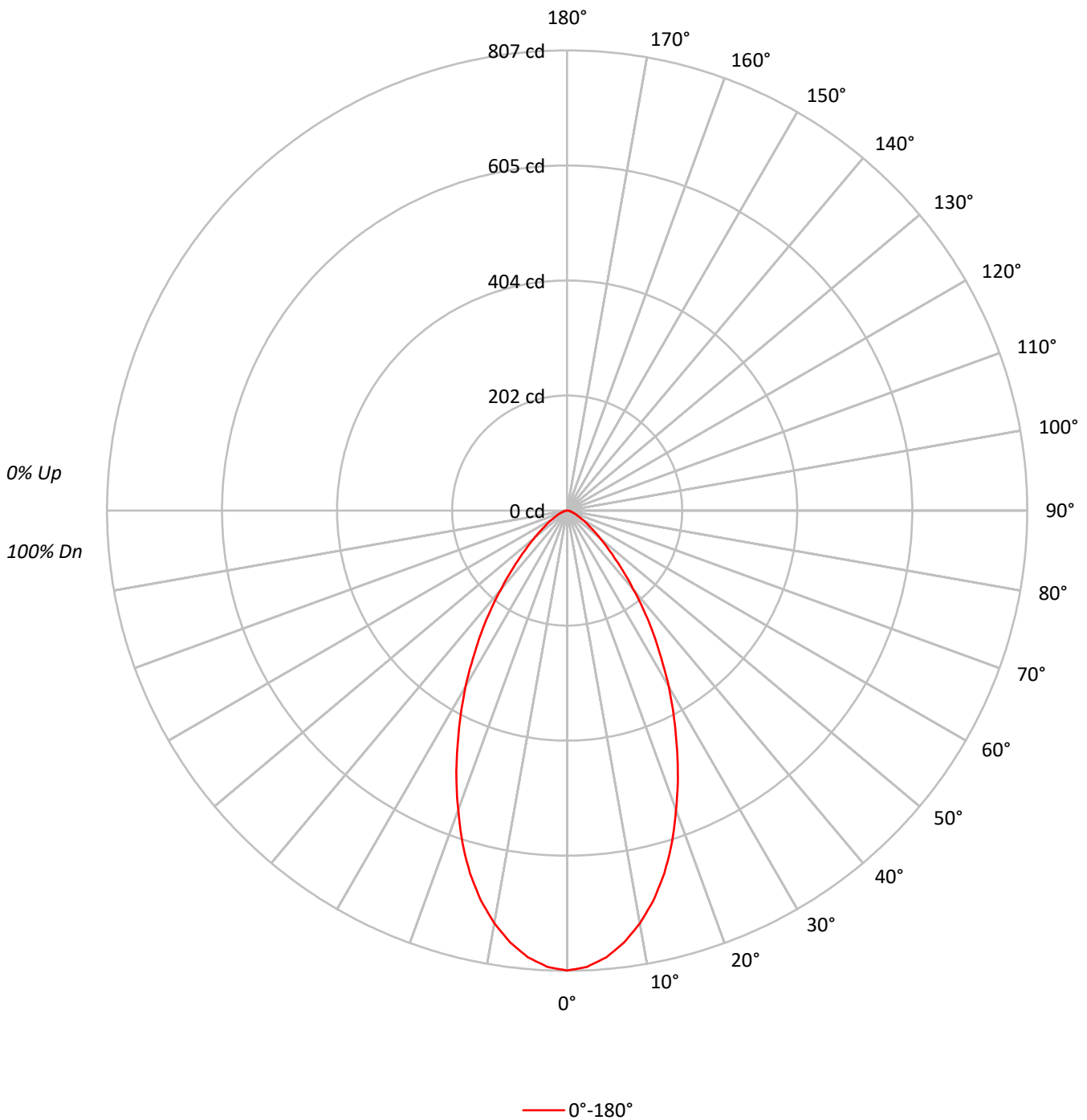
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	57754
5°	56523
10°	53425
15°	48791
20°	42556
25°	35923
30°	29442
35°	23015
40°	16965
45°	11939
50°	8421
55°	5967
60°	4239
65°	3151
70°	2449
75°	1992
80°	1856
85°	1972



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.4	9.2
10°-20°	182.8	23.0
20°-30°	208.3	26.2
30°-40°	164.4	20.7
40°-50°	93.4	11.7
50°-60°	44.1	5.5
60°-70°	19.1	2.4
70°-80°	7.9	1.0
80°-90°	2.6	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°	464.5	58.4
0°-40°	628.9	79.0
0°-60°	766.5	96.3
0°-90°	796.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	796.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	807	
5°	786	73
15°	658	183
25°	455	208
35°	263	164
45°	118	93
55°	48	44
65°	19	19
75°	7	8
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	806.6
2.5°	800.8
5°	786.4
7.5°	764.0
10°	734.8
12.5°	699.8
15°	658.2
17.5°	611.1
20°	558.5
22.5°	507.6
25°	454.7
27.5°	404.2
30°	356.1
32.5°	307.3
35°	263.3
37.5°	221.0
40°	181.5
42.5°	147.8
45°	117.9
47.5°	94.2
50°	75.6
52.5°	60.1
55°	47.8
57.5°	37.8
60°	29.6
62.5°	23.4
65°	18.6
67.5°	14.8
70°	11.7
72.5°	9.3
75°	7.2
77.5°	5.5
80°	4.5
82.5°	3.4
85°	2.4
87.5°	1.4
90°	0.0

(END OF REPORT)