

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: P364484

Luminaire Tested: **FLD6BX10D010-FEU6B12-8035-F6LBXVM1-LI-BTR82**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364484
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-26)
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-LI-BTR82
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.187", 1000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 801.0 lumens
Efficiency: N/A
Efficacy: 80.1 lumens/watt
Spacing Criteria (0/90/45): 1.07 / 1.07 / 1.07
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

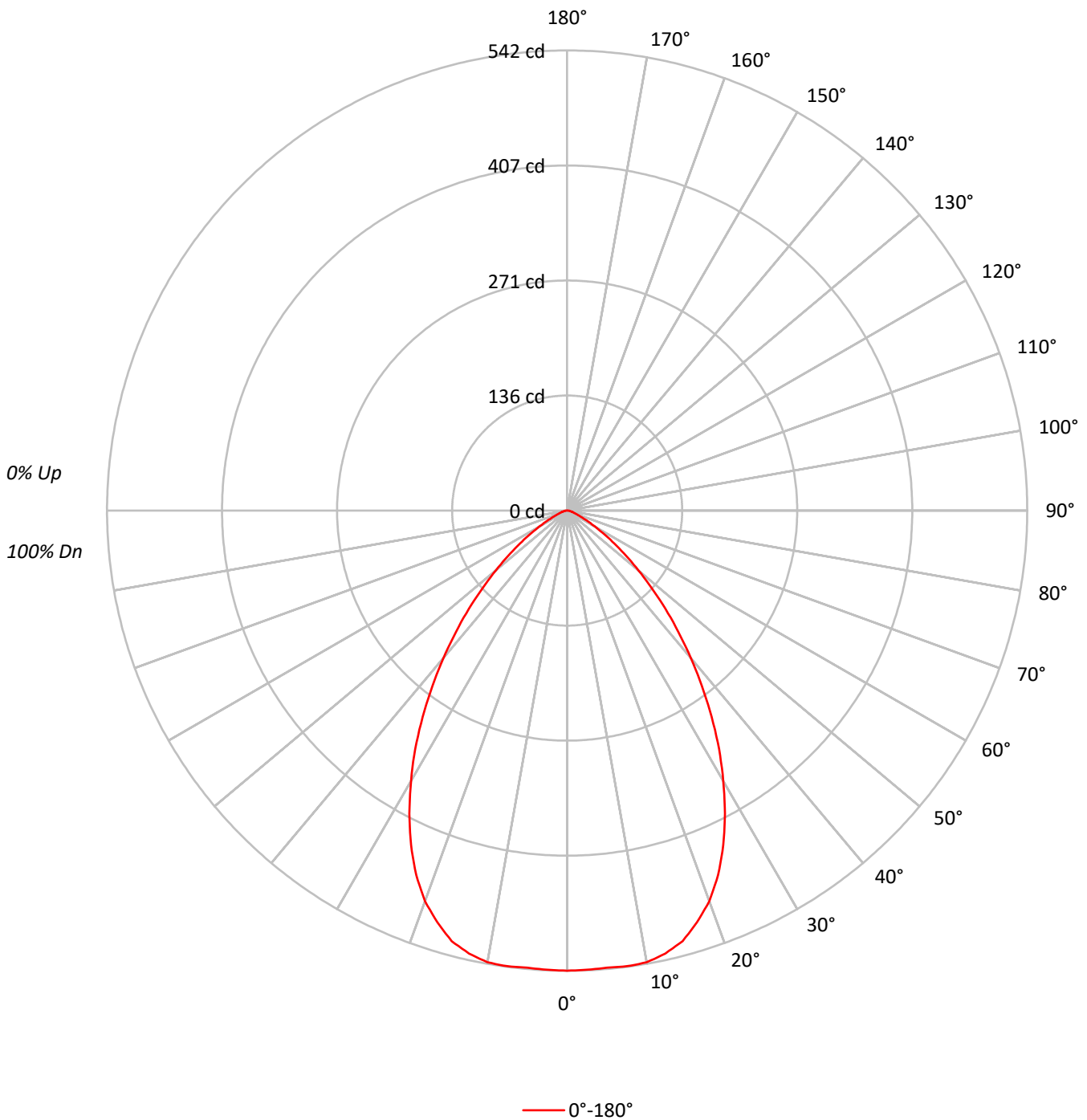
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	109	106	103	110	107	104	101	102	100	98	99	97	95	95	94	93	91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81
3	98	90	84	79	96	89	83	79	86	81	77	84	80	76	81	78	75	73
4	92	83	76	71	90	81	75	70	79	74	69	77	72	69	75	71	68	66
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	69	65	61	60
6	81	70	63	57	79	69	62	57	67	61	57	66	60	56	64	60	56	54
7	76	65	57	52	74	64	57	52	62	56	52	61	56	52	60	55	51	50
8	71	60	53	48	70	59	53	48	58	52	48	57	51	47	56	51	47	46
9	67	56	49	44	66	55	49	44	54	48	44	53	48	44	52	47	43	42
10	63	52	45	41	62	52	45	41	51	45	41	50	44	40	49	44	40	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	38808
5°	38849
10°	39276
15°	38924
20°	37306
25°	34359
30°	30409
35°	25934
40°	21180
45°	16566
50°	12209
55°	8464
60°	5413
65°	3287
70°	2219
75°	1715
80°	1526
85°	2136



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.6	6.4
10°-20°	146.8	18.3
20°-30°	198.6	24.8
30°-40°	184.8	23.1
40°-50°	126.6	15.8
50°-60°	62.4	7.8
60°-70°	20.8	2.6
70°-80°	6.9	0.9
80°-90°	2.4	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°	397.1	49.6
0°-40°	581.9	72.6
0°-60°	770.8	96.2
0°-90°	801.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	801.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	542	
5°	540	52
15°	525	147
25°	435	199
35°	297	185
45°	164	127
55°	68	62
65°	19	21
75°	6	7
85°	3	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	542.0
2.5°	541.3
5°	540.5
7.5°	541.3
10°	540.2
12.5°	534.3
15°	525.1
17.5°	508.3
20°	489.6
22.5°	464.6
25°	434.9
27.5°	402.6
30°	367.8
32.5°	333.0
35°	296.7
37.5°	260.7
40°	226.6
42.5°	193.6
45°	163.6
47.5°	134.9
50°	109.6
52.5°	87.6
55°	67.8
57.5°	51.7
60°	37.8
62.5°	27.1
65°	19.4
67.5°	13.9
70°	10.6
72.5°	8.1
75°	6.2
77.5°	4.8
80°	3.7
82.5°	2.9
85°	2.6
87.5°	1.5
90°	0.0

(END OF REPORT)