

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: P364500

Luminaire Tested: **FLD6BX10D010-FEU6B12-8040-F6LBXVM1-LI-BTR80**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364500
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-FEU6B12-8040-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: 858.0 lumens
Efficiency: N/A
Efficacy: 85.8 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

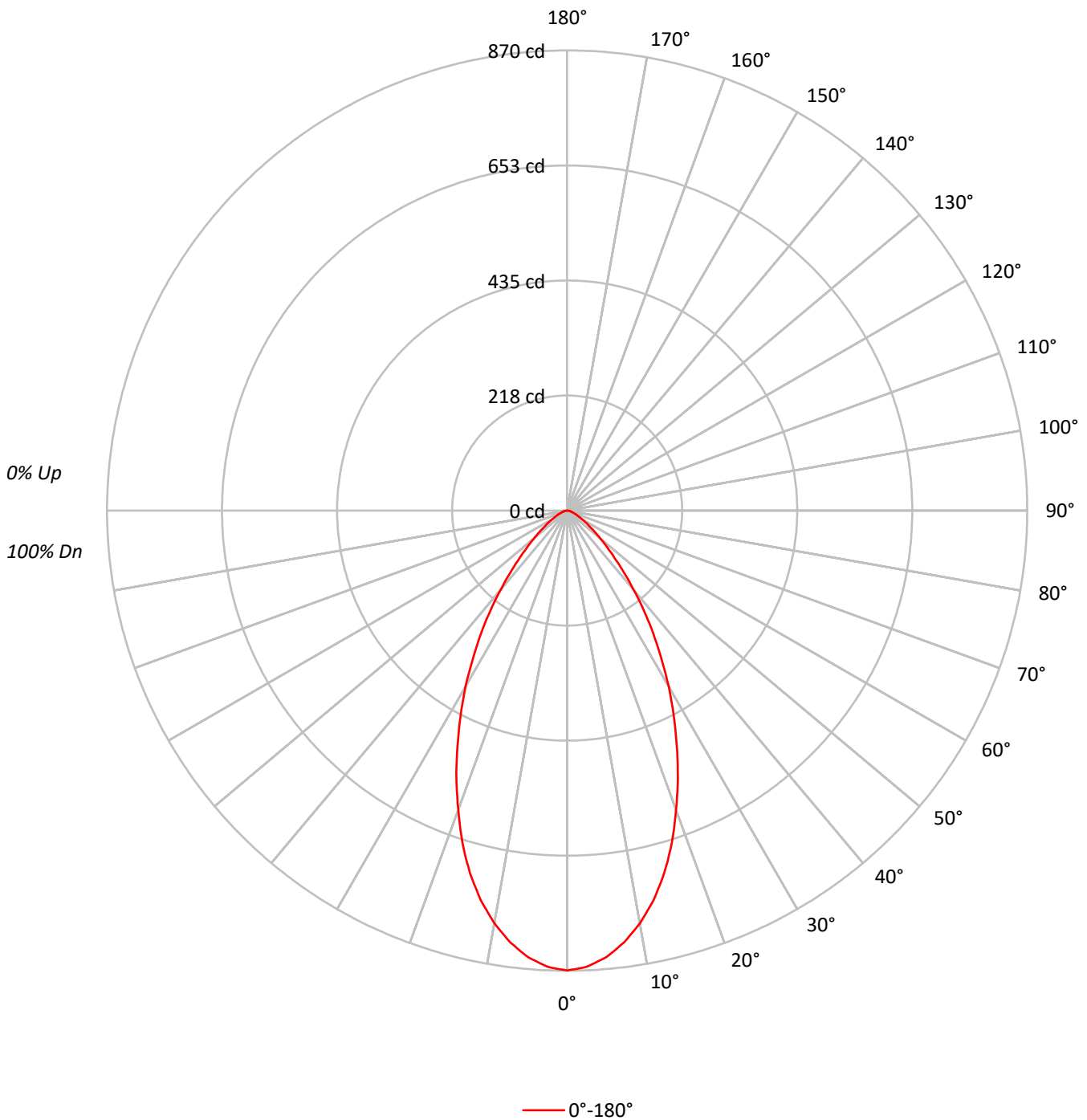
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P364500

CATALOG NUMBER: FLD6BX10D010-FEU6B12-8040-F6LBXVM1-LI-BTR80

Luminous Intensity Polar Plot





TEST NUMBER: P364500

CATALOG NUMBER: FLD6BX10D010-FEU6B12-8040-F6LBXVM1-LI-BTR80

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°	62258
5°	60922
10°	57583
15°	52586
20°	45871
25°	38720
30°	31732
35°	24807
40°	18283
45°	12870
50°	9079
55°	6429
60°	4568
65°	3388
70°	2638
75°	2158
80°	1979
85°	2136



TEST NUMBER: P364500

CATALOG NUMBER: FLD6BX10D010-FEU6B12-8040-F6LBXVM1-LI-BTR80

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.1	9.2
10°-20°	197.1	23.0
20°-30°	224.5	26.2
30°-40°	177.2	20.7
40°-50°	100.7	11.7
50°-60°	47.5	5.5
60°-70°	20.6	2.4
70°-80°	8.5	1.0
80°-90°	2.8	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°	500.7	58.4
0°-40°	677.9	79.0
0°-60°	826.1	96.3
0°-90°	858.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	858.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	870	
5°	848	79
15°	709	197
25°	490	225
35°	284	177
45°	127	101
55°	52	48
65°	20	21
75°	8	9
85°	3	3
90°	0	



TEST NUMBER: P364500

CATALOG NUMBER: FLD6BX10D010-FEU6B12-8040-F6LBXVM1-LI-BTR80

CANDELA DISTRIBUTION (FULL):

	0°
0°	869.5
2.5°	863.2
5°	847.6
7.5°	823.5
10°	792.0
12.5°	754.3
15°	709.4
17.5°	658.7
20°	602.0
22.5°	547.2
25°	490.1
27.5°	435.7
30°	383.8
32.5°	331.2
35°	283.8
37.5°	238.2
40°	195.6
42.5°	159.3
45°	127.1
47.5°	101.5
50°	81.5
52.5°	64.8
55°	51.5
57.5°	40.8
60°	31.9
62.5°	25.2
65°	20.0
67.5°	15.9
70°	12.6
72.5°	10.0
75°	7.8
77.5°	5.9
80°	4.8
82.5°	3.7
85°	2.6
87.5°	1.5
90°	0.0

(END OF REPORT)