

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: P364473

Luminaire Tested: **FLD6BX10D010-FEU6B12-8030-F6LBXVM1-LI-BTR94**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364473
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-27)
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-BTR94
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR 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): 0.76 / 0.76 / 0.77
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

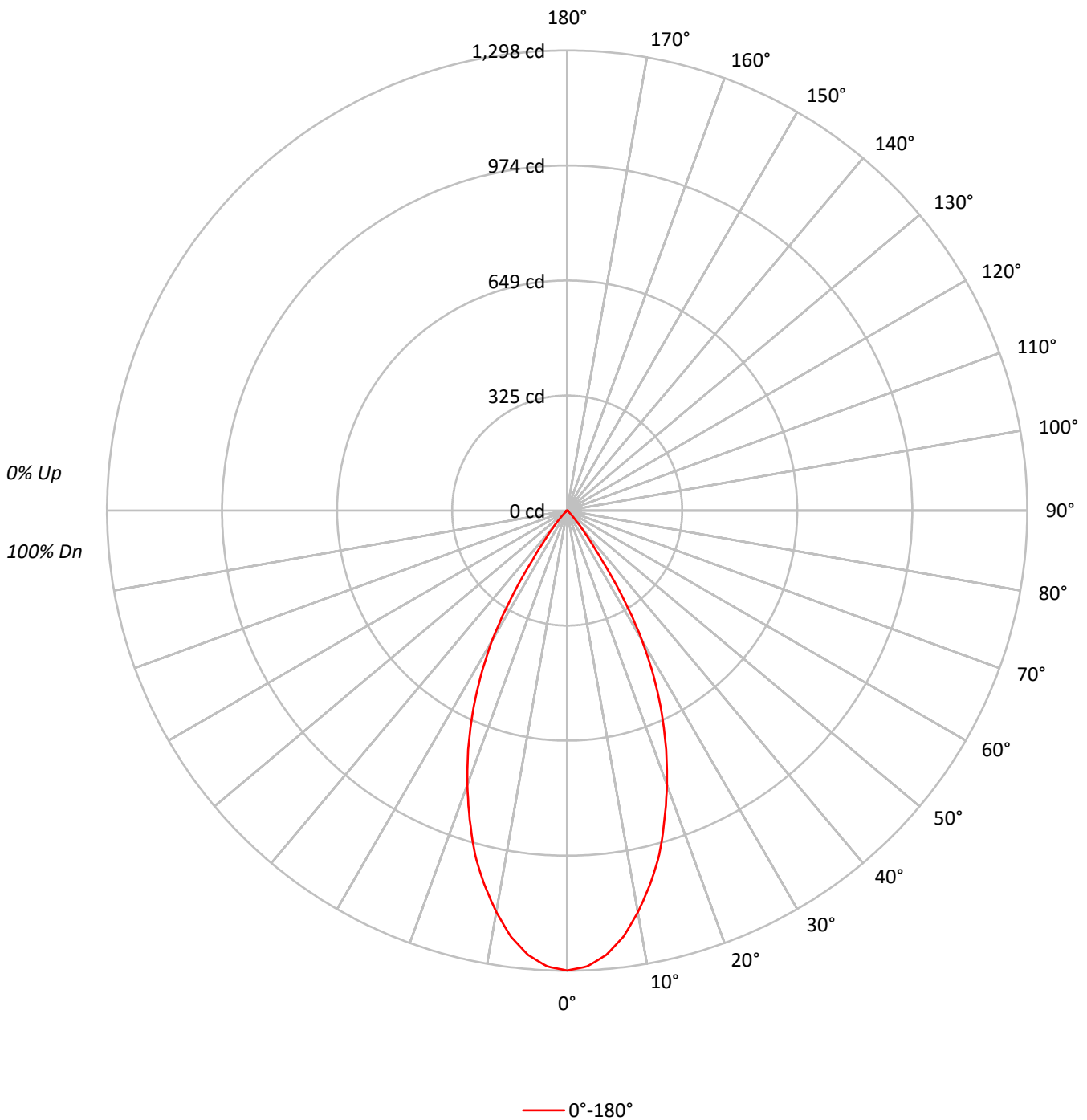
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P364473

CATALOG NUMBER: FLD6BX10D010-FEU6B12-8030-F6LBXVM1-LI-BTR94

Luminous Intensity Polar Plot





TEST NUMBER: P364473

CATALOG NUMBER: FLD6BX10D010-FEU6B12-8030-F6LBXVM1-LI-BTR94

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	107	102	99	96	99	96	94	96	94	92	94	92	90	88
3	104	98	93	90	102	96	92	89	94	90	87	92	89	86	89	87	85	83
4	99	92	87	83	97	91	86	83	89	85	82	87	84	81	85	82	80	78
5	95	87	82	78	93	86	81	77	84	80	77	83	79	76	81	78	75	74
6	91	82	77	73	89	82	76	73	80	76	72	79	75	72	77	74	71	70
7	87	78	73	69	85	77	72	68	76	72	68	75	71	68	74	70	67	66
8	83	74	69	65	82	74	68	65	73	68	64	72	67	64	71	67	64	63
9	79	71	65	61	78	70	65	61	69	64	61	68	64	61	67	64	61	59
10	76	67	62	58	75	67	62	58	66	61	58	65	61	58	65	61	58	57

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	92903
5°	90441
10°	83605
15°	74424
20°	62680
25°	49946
30°	34990
35°	14825
40°	5169
45°	1418
50°	724
55°	674
60°	673
65°	610
70°	607
75°	802
80°	1031
85°	1479



TEST NUMBER: P364473

CATALOG NUMBER: FLD6BX10D010-FEU6B12-8030-F6LBXVM1-LI-BTR94

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.7	14.1
10°-20°	277.6	33.4
20°-30°	285.5	34.4
30°-40°	122.0	14.7
40°-50°	15.2	1.8
50°-60°	4.9	0.6
60°-70°	3.6	0.4
70°-80°	2.9	0.4
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°	679.8	81.9
0°-40°	801.7	96.6
0°-60°	821.8	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°	1298	
5°	1258	117
15°	1004	278
25°	632	286
35°	170	122
45°	14	15
55°	5	5
65°	4	4
75°	3	3
85°	2	2
90°	0	



TEST NUMBER: P364473

CATALOG NUMBER: FLD6BX10D010-FEU6B12-8030-F6LBXVM1-LI-BTR94

CANDELA DISTRIBUTION (FULL):

0°	
0°	1297.5
2.5°	1287.1
5°	1258.3
7.5°	1212.4
10°	1149.9
12.5°	1080.2
15°	1004.0
17.5°	913.5
20°	822.6
22.5°	729.2
25°	632.2
27.5°	529.8
30°	423.2
32.5°	300.7
35°	169.6
37.5°	97.0
40°	55.3
42.5°	28.7
45°	14.0
47.5°	7.5
50°	6.5
52.5°	5.7
55°	5.4
57.5°	5.0
60°	4.7
62.5°	4.0
65°	3.6
67.5°	3.2
70°	2.9
72.5°	2.9
75°	2.9
77.5°	2.5
80°	2.5
82.5°	2.2
85°	1.8
87.5°	1.1
90°	0.0

(END OF REPORT)