

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: P365291

Luminaire Tested: **FLD6BX15D010-FEU6B12-8035-F6LBXVM1-MW-BL89BW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365291
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-35)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX15D010-FEU6B12-8035-F6LBXVM1-MW-BL89BW
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS ACRYLIC OPAL SMOOTH, CLEAR 0.125", 1500LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 899.0 lumens
Efficiency: N/A
Efficacy: 63.3 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.37
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

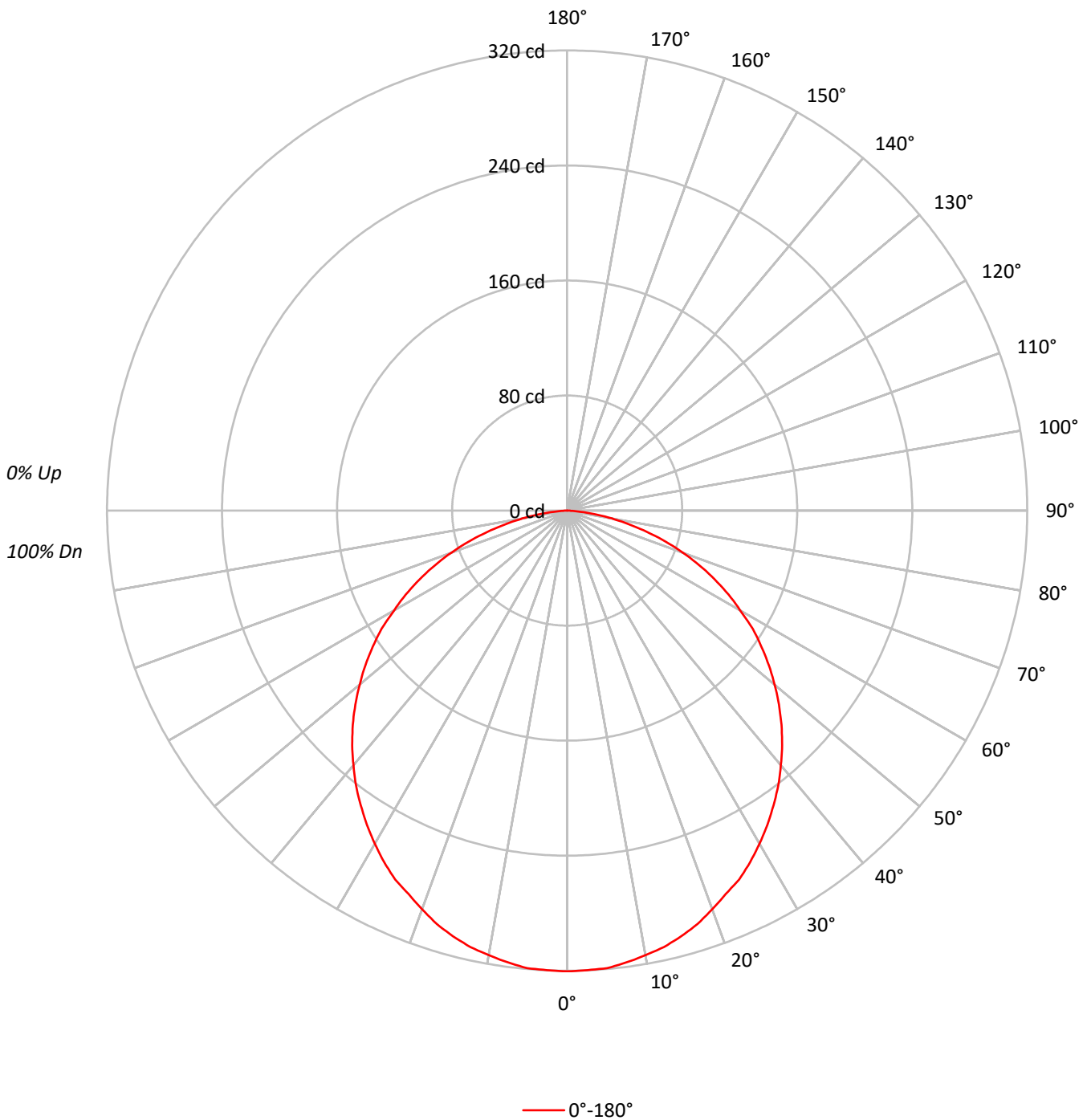
Input Watts (W): 14.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P365291

CATALOG NUMBER: FLD6BX15D010-FEU6B12-8035-F6LBXVM1-MW-BL89BW

Luminous Intensity Polar Plot





TEST NUMBER: P365291

CATALOG NUMBER: FLD6BX15D010-FEU6B12-8035-F6LBXVM1-MW-BL89BW

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	109	104	100	96	106	102	98	95	98	94	92		94	91	89		90	88	86	84
2	99	91	84	78	96	89	83	77	85	80	75		82	78	74		79	75	72	70
3	90	80	71	65	88	78	70	64	75	69	63		72	67	62		70	65	61	59
4	83	71	62	55	80	69	61	55	67	60	54		64	58	53		62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	47		58	51	46		56	50	45	43
6	70	57	48	41	68	56	47	41	54	46	41		52	45	40		51	45	40	38
7	65	51	43	36	63	51	42	36	49	41	36		48	41	36		46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32		44	37	32		42	36	32	30
9	56	43	35	29	55	42	35	29	41	34	29		40	34	29		39	33	29	27
10	53	40	32	26	52	39	32	26	38	31	26		37	31	26		36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	8752
5°	8758
10°	8707
15°	8667
20°	8575
25°	8529
30°	8440
35°	8343
40°	8244
45°	8143
50°	8006
55°	7853
60°	7594
65°	7310
70°	6844
75°	6100
80°	4939
85°	2977



TEST NUMBER: P365291

CATALOG NUMBER: FLD6BX15D010-FEU6B12-8035-F6LBXVM1-MW-BL89BW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.3	3.4
10°-20°	86.4	9.6
20°-30°	130.2	14.5
30°-40°	156.6	17.4
40°-50°	162.5	18.1
50°-60°	147.3	16.4
60°-70°	111.8	12.4
70°-80°	61.2	6.8
80°-90°	12.8	1.4
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°	246.9	27.5
0°-40°	403.5	44.9
0°-60°	713.3	79.3
0°-90°	899.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	899.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	320	
5°	319	30
15°	306	86
25°	283	130
35°	250	157
45°	211	163
55°	165	147
65°	113	112
75°	58	61
85°	10	13
90°	0	



TEST NUMBER: P365291

CATALOG NUMBER: FLD6BX15D010-FEU6B12-8035-F6LBXVM1-MW-BL89BW

CANDELA DISTRIBUTION (FULL):

0°	
0°	320.4
2.5°	319.9
5°	319.4
7.5°	316.9
10°	313.9
12.5°	310.9
15°	306.5
17.5°	301.5
20°	295.0
22.5°	288.5
25°	283.0
27.5°	275.6
30°	267.6
32.5°	259.1
35°	250.2
37.5°	241.2
40°	231.2
42.5°	221.3
45°	210.8
47.5°	199.8
50°	188.4
52.5°	176.9
55°	164.9
57.5°	153.0
60°	139.0
62.5°	126.6
65°	113.1
67.5°	99.7
70°	85.7
72.5°	71.8
75°	57.8
77.5°	43.9
80°	31.4
82.5°	19.4
85°	9.5
87.5°	2.5
90°	0.0

(END OF REPORT)