

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: P365255

Luminaire Tested: **FLD6BX15D010-FEU6B12-8027-F6LBXVM1-MW-BL89BW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365255
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-FEU6B12-8027-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: 843.1 lumens
Efficiency: N/A
Efficacy: 59.4 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.36
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

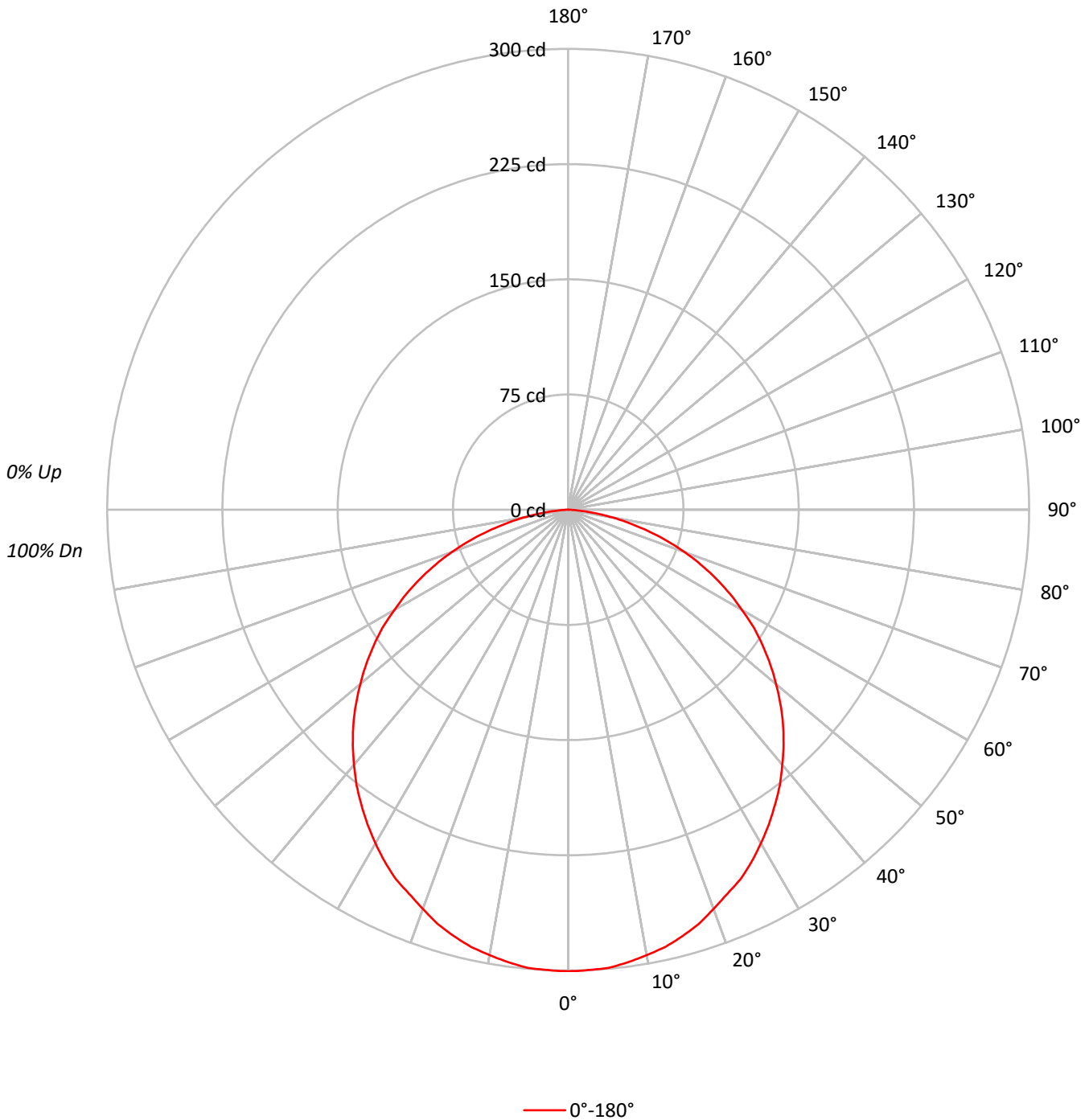
Input Watts (W): 14.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P365255

CATALOG NUMBER: FLD6BX15D010-FEU6B12-8027-F6LBXVM1-MW-BL89BW

Luminous Intensity Polar Plot





TEST NUMBER: P365255

CATALOG NUMBER: FLD6BX15D010-FEU6B12-8027-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°	8208
5°	8212
10°	8166
15°	8127
20°	8040
25°	7999
30°	7914
35°	7823
40°	7731
45°	7637
50°	7505
55°	7367
60°	7124
65°	6858
70°	6421
75°	5720
80°	4625
85°	2789



TEST NUMBER: P365255

CATALOG NUMBER: FLD6BX15D010-FEU6B12-8027-F6LBXVM1-MW-BL89BW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.4	3.4
10°-20°	81.0	9.6
20°-30°	122.1	14.5
30°-40°	146.8	17.4
40°-50°	152.4	18.1
50°-60°	138.1	16.4
60°-70°	104.8	12.4
70°-80°	57.3	6.8
80°-90°	12.0	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°	231.6	27.5
0°-40°	378.4	44.9
0°-60°	668.9	79.3
0°-90°	843.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	843.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	300	
5°	300	28
15°	287	81
25°	265	122
35°	235	147
45°	198	152
55°	155	138
65°	106	105
75°	54	57
85°	9	12
90°	0	



TEST NUMBER: P365255

CATALOG NUMBER: FLD6BX15D010-FEU6B12-8027-F6LBXVM1-MW-BL89BW

CANDELA DISTRIBUTION (FULL):

	0°
0°	300.5
2.5°	300.0
5°	299.5
7.5°	297.2
10°	294.4
12.5°	291.6
15°	287.4
17.5°	282.7
20°	276.6
22.5°	270.6
25°	265.4
27.5°	258.4
30°	250.9
32.5°	243.0
35°	234.6
37.5°	226.2
40°	216.8
42.5°	207.5
45°	197.7
47.5°	187.4
50°	176.6
52.5°	165.9
55°	154.7
57.5°	143.5
60°	130.4
62.5°	118.7
65°	106.1
67.5°	93.5
70°	80.4
72.5°	67.3
75°	54.2
77.5°	41.1
80°	29.4
82.5°	18.2
85°	8.9
87.5°	2.3
90°	0.0

(END OF REPORT)