

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: P365289

Luminaire Tested: **FLD6BX15D010-FEU6B12-8035-F6LBXVM1-MW-BL89AM**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365289
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-40)
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-BL89AM
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, OPAL SMOOTH 0.125", 1500LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 506.0 lumens
Efficiency: N/A
Efficacy: 35.6 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

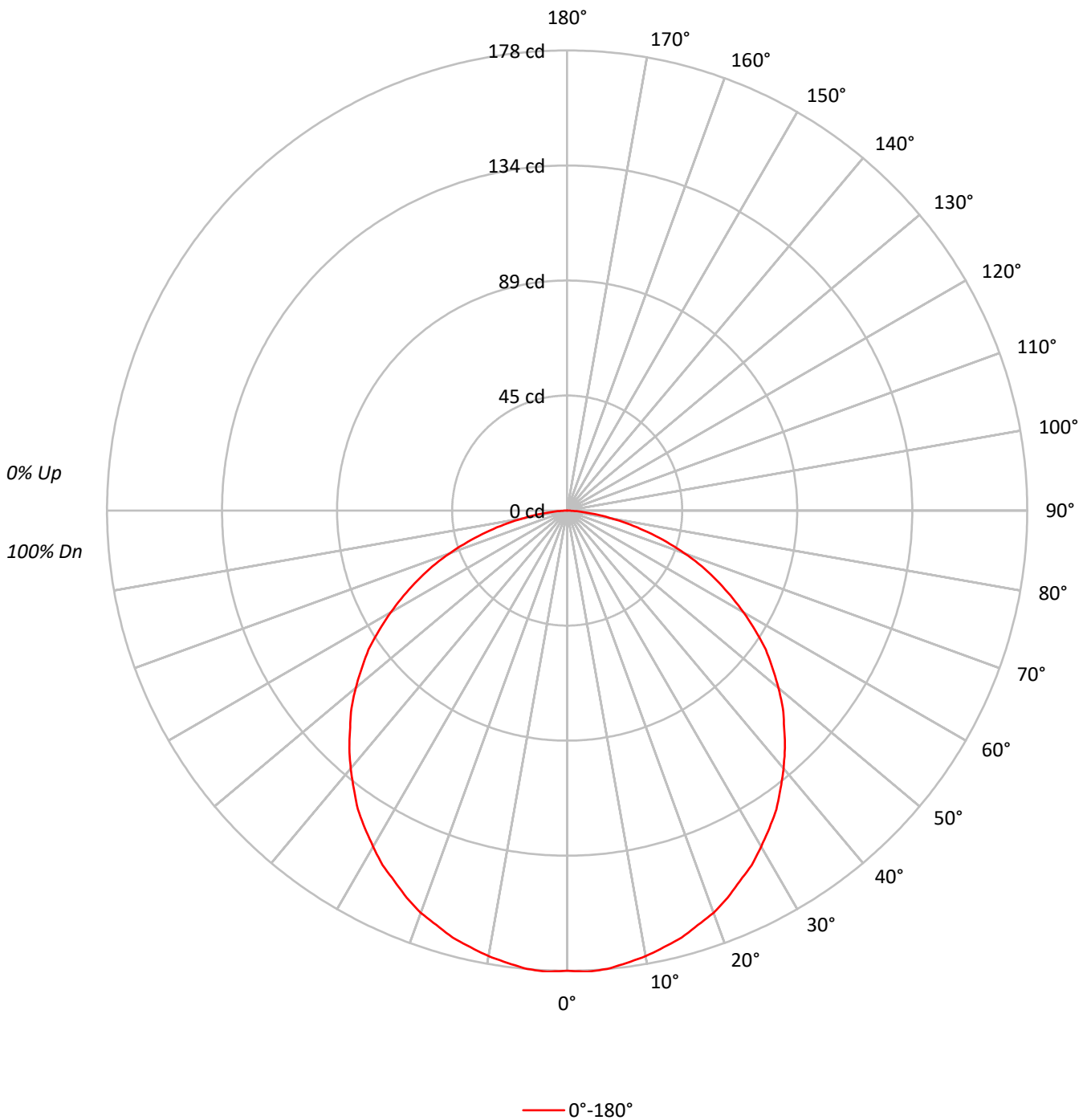
Input Watts (W): 14.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P365289

CATALOG NUMBER: FLD6BX15D010-FEU6B12-8035-F6LBXVM1-MW-BL89AM

Luminous Intensity Polar Plot





TEST NUMBER: P365289

CATALOG NUMBER: FLD6BX15D010-FEU6B12-8035-F6LBXVM1-MW-BL89AM

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	82	70	62	55	80	69	61	55	67	59	54	64	58	53	62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	46	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	42	36	63	50	42	36	49	41	36	47	41	36	46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	32	30
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	29	27
10	53	40	32	26	52	39	31	26	38	31	26	37	31	26	36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	4862
5°	4881
10°	4854
15°	4836
20°	4814
25°	4765
30°	4734
35°	4705
40°	4643
45°	4585
50°	4534
55°	4467
60°	4305
65°	4124
70°	3865
75°	3419
80°	2753
85°	1567



TEST NUMBER: P365289

CATALOG NUMBER: FLD6BX15D010-FEU6B12-8035-F6LBXVM1-MW-BL89AM

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.9	3.3
10°-20°	48.2	9.5
20°-30°	73.0	14.4
30°-40°	88.1	17.4
40°-50°	91.7	18.1
50°-60°	83.4	16.5
60°-70°	63.1	12.5
70°-80°	34.4	6.8
80°-90°	7.1	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°	138.1	27.3
0°-40°	226.2	44.7
0°-60°	401.4	79.3
0°-90°	506.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	506.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	178	
5°	178	17
15°	171	48
25°	158	73
35°	141	88
45°	119	92
55°	94	83
65°	64	63
75°	32	34
85°	5	7
90°	0	



TEST NUMBER: P365289

CATALOG NUMBER: FLD6BX15D010-FEU6B12-8035-F6LBXVM1-MW-BL89AM

CANDELA DISTRIBUTION (FULL):

0°	
0°	178.0
2.5°	178.5
5°	178.0
7.5°	176.5
10°	175.0
12.5°	173.0
15°	171.0
17.5°	168.1
20°	165.6
22.5°	162.1
25°	158.1
27.5°	154.6
30°	150.1
32.5°	145.6
35°	141.1
37.5°	135.6
40°	130.2
42.5°	124.7
45°	118.7
47.5°	113.2
50°	106.7
52.5°	100.2
55°	93.8
57.5°	86.3
60°	78.8
62.5°	71.3
65°	63.8
67.5°	56.4
70°	48.4
72.5°	40.4
75°	32.4
77.5°	24.9
80°	17.5
82.5°	11.0
85°	5.0
87.5°	1.5
90°	0.0

(END OF REPORT)