

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: P364443

Luminaire Tested: **FLD6BX10D010-FEU6B12-8027-F6LBXVM1-LI-BL89AM**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364443
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-44)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX10D010-FEU6B12-8027-F6LBXVM1-LI-BL89AM
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, SPECULAR CLEAR REFLECTOR,
BOTTOM LENS POLYCARBONATE, OPAL SMOOTH 0.125", 1000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 395.0 lumens
Efficiency: N/A
Efficacy: 39.5 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

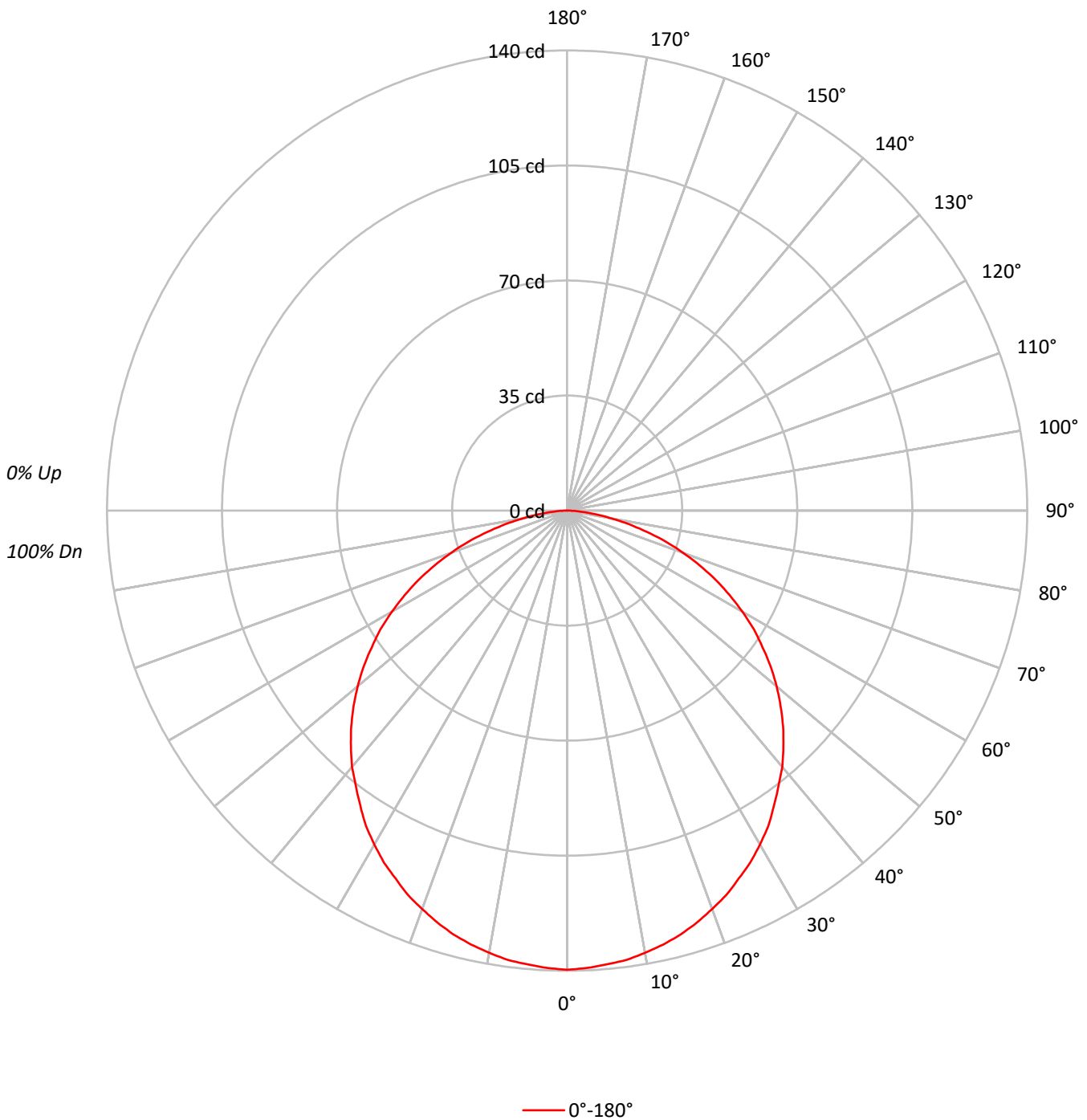
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P364443

CATALOG NUMBER: FLD6BX10D010-FEU6B12-8027-F6LBXVM1-LI-BL89AM

Luminous Intensity Polar Plot





TEST NUMBER: P364443

CATALOG NUMBER: FLD6BX10D010-FEU6B12-8027-F6LBXVM1-LI-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	94	98	94	91		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	68	63		72	67	62		70	65	61	59
4	82	70	62	55	80	69	61	54	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°	3816
5°	3800
10°	3789
15°	3775
20°	3750
25°	3722
30°	3700
35°	3658
40°	3630
45°	3589
50°	3536
55°	3457
60°	3365
65°	3225
70°	2995
75°	2649
80°	2171
85°	1410



TEST NUMBER: P364443

CATALOG NUMBER: FLD6BX10D010-FEU6B12-8027-F6LBXVM1-LI-BL89AM

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.2	3.3
10°-20°	37.7	9.5
20°-30°	57.0	14.4
30°-40°	68.7	17.4
40°-50°	71.6	18.1
50°-60°	65.0	16.4
60°-70°	49.2	12.5
70°-80°	26.8	6.8
80°-90°	5.9	1.5
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°	107.8	27.3
0°-40°	176.5	44.7
0°-60°	313.1	79.3
0°-90°	395.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	395.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	140	
5°	139	13
15°	134	38
25°	124	57
35°	110	69
45°	93	72
55°	73	65
65°	50	49
75°	25	27
85°	4	6
90°	0	



TEST NUMBER: P364443

CATALOG NUMBER: FLD6BX10D010-FEU6B12-8027-F6LBXVM1-LI-BL89AM

CANDELA DISTRIBUTION (FULL):

	0°
0°	139.7
2.5°	139.3
5°	138.6
7.5°	137.9
10°	136.6
12.5°	135.2
15°	133.5
17.5°	131.4
20°	129.0
22.5°	126.6
25°	123.5
27.5°	120.7
30°	117.3
32.5°	113.9
35°	109.7
37.5°	105.6
40°	101.8
42.5°	97.4
45°	92.9
47.5°	88.1
50°	83.2
52.5°	78.1
55°	72.6
57.5°	67.4
60°	61.6
62.5°	55.7
65°	49.9
67.5°	43.7
70°	37.5
72.5°	31.6
75°	25.1
77.5°	19.3
80°	13.8
82.5°	8.6
85°	4.5
87.5°	1.7
90°	0.0

(END OF REPORT)