

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: P365218

Luminaire Tested: **FLD6BX10D010-FEU6B12-8040-F6LBXVM1-MW-BL89BV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365218
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-34)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX10D010-FEU6B12-8040-F6LBXVM1-MW-BL89BV
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS ACRYLIC, CLEAR 0.125", 1000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 898.0 lumens
Efficiency: N/A
Efficacy: 89.8 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.95
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

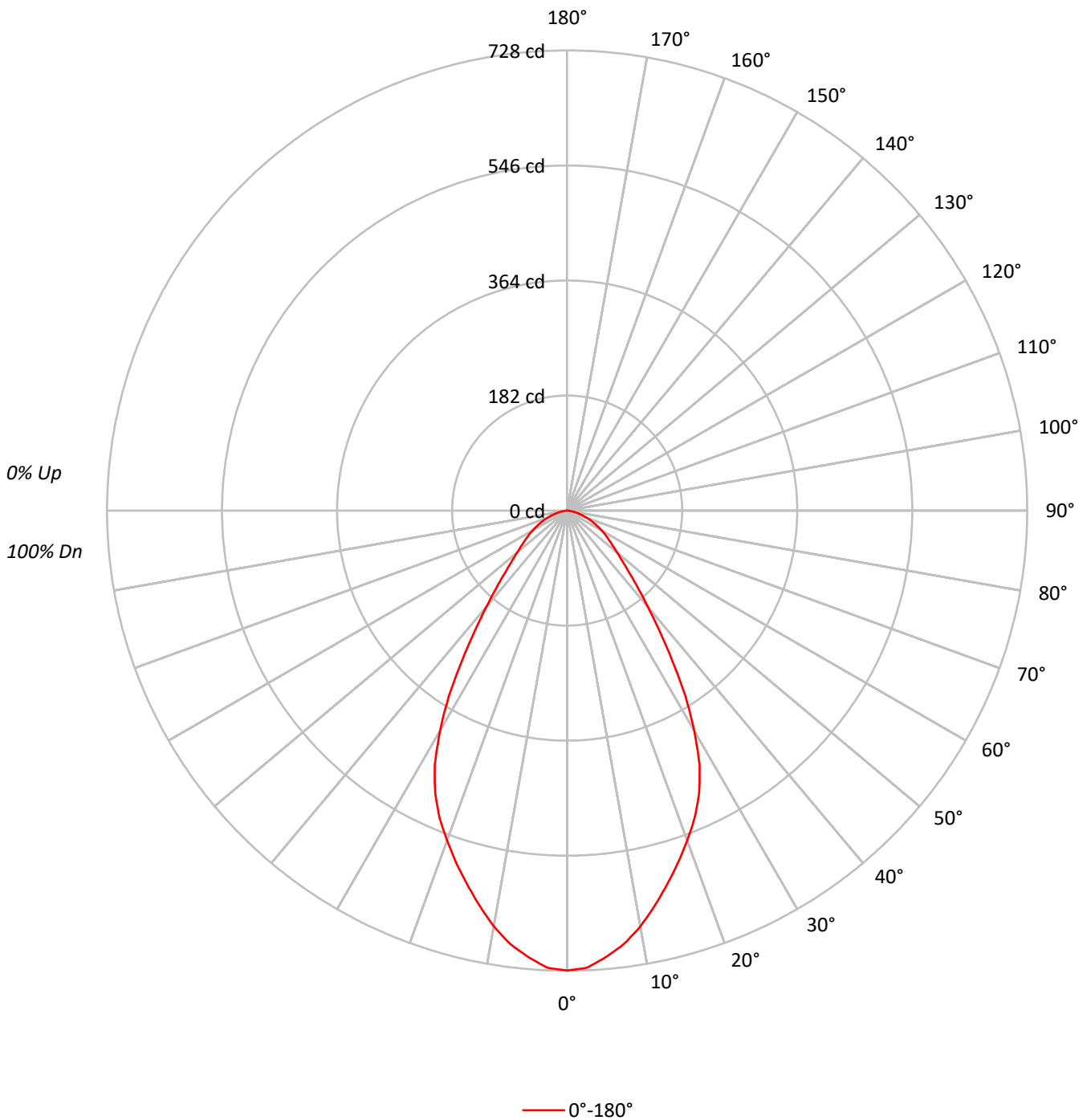
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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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	112	108	105	102	109	106	103	101	102	100	97		98	96	94		95	93	92	90
2	104	98	93	89	102	96	92	88	93	89	86		90	87	84		87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76		82	78	75		80	77	74	72
4	91	82	75	70	89	80	74	69	78	73	68		76	71	67		74	70	67	65
5	85	75	68	63	84	74	67	62	72	66	62		70	65	61		69	64	61	59
6	80	69	62	57	78	68	62	57	67	61	56		65	60	56		64	59	55	54
7	75	64	57	52	74	64	57	52	62	56	52		61	55	51		60	55	51	49
8	71	60	53	48	70	59	52	48	58	52	47		57	51	47		56	51	47	45
9	67	56	49	44	66	55	49	44	54	48	44		53	48	44		52	47	44	42
10	64	52	46	41	62	52	45	41	51	45	41		50	45	41		49	44	41	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	19877
5°	19435
10°	18528
15°	17298
20°	16142
25°	14883
30°	12676
35°	9644
40°	7060
45°	5370
50°	4364
55°	3829
60°	3442
65°	3044
70°	2580
75°	2037
80°	1400
85°	595



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.4	7.4
10°-20°	171.8	19.1
20°-30°	223.9	24.9
30°-40°	182.3	20.3
40°-50°	109.9	12.2
50°-60°	72.9	8.1
60°-70°	46.8	5.2
70°-80°	20.9	2.3
80°-90°	3.1	0.3
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°	462.1	51.5
0°-40°	644.5	71.8
0°-60°	827.3	92.1
0°-90°	898.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	898.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	728	
5°	709	66
15°	612	172
25°	494	224
35°	289	182
45°	139	110
55°	80	73
65°	47	47
75°	19	21
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	727.7
2.5°	724.0
5°	708.8
7.5°	691.4
10°	668.0
12.5°	640.2
15°	611.7
17.5°	583.9
20°	555.3
22.5°	526.8
25°	493.8
27.5°	453.4
30°	401.9
32.5°	348.1
35°	289.2
37.5°	239.9
40°	198.0
42.5°	165.0
45°	139.0
47.5°	118.6
50°	102.7
52.5°	91.2
55°	80.4
57.5°	71.9
60°	63.0
62.5°	54.9
65°	47.1
67.5°	39.7
70°	32.3
72.5°	25.6
75°	19.3
77.5°	13.7
80°	8.9
82.5°	4.8
85°	1.9
87.5°	0.4
90°	0.0

(END OF REPORT)