

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: P364461

Luminaire Tested: **FLD6BX10D010-FEU6B12-8030-F6LBXVM1-LI-BL89AM**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364461
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-FEU6B12-8030-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: 412.0 lumens
Efficiency: N/A
Efficacy: 41.2 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

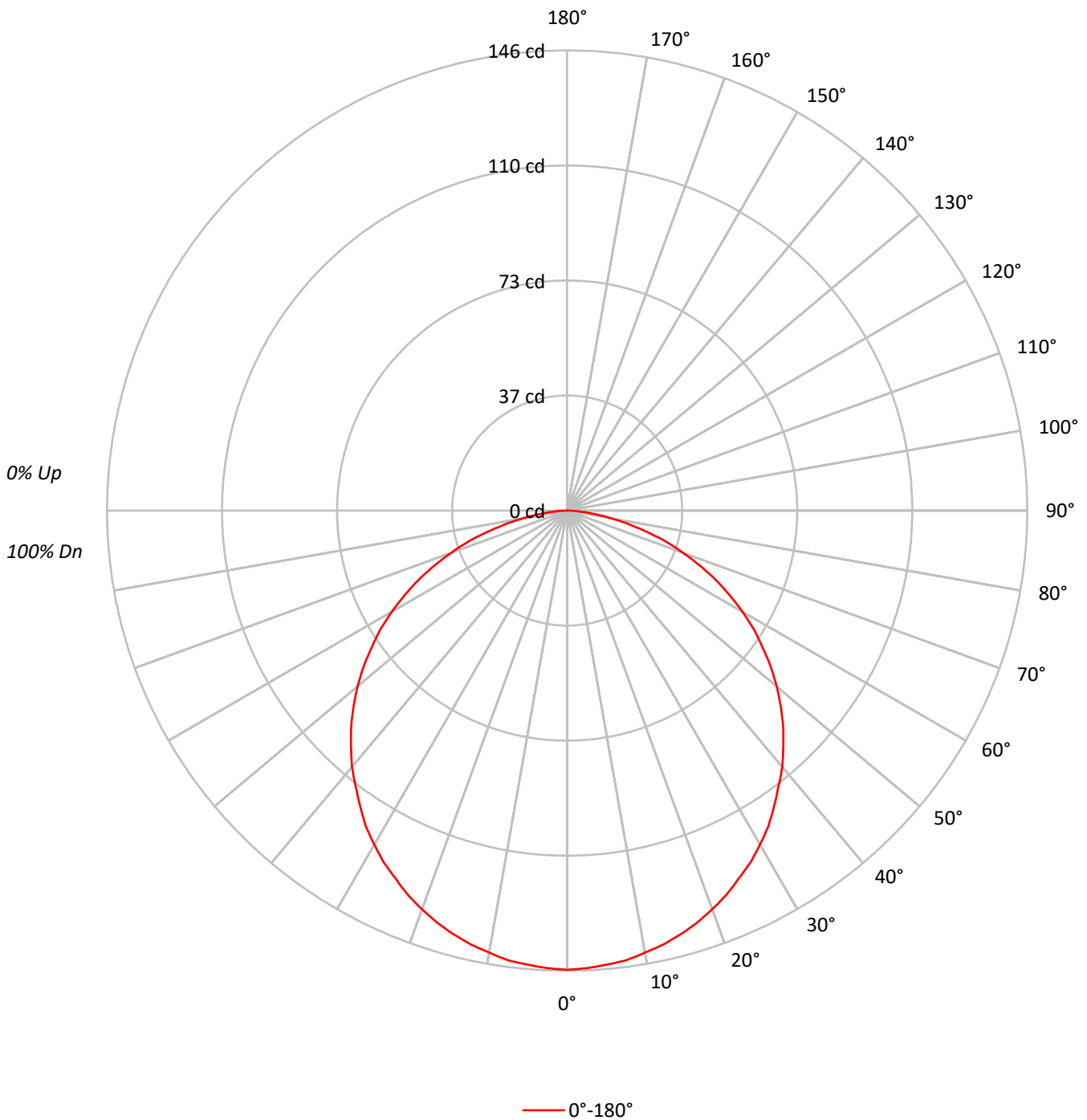
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	3980
5°	3965
10°	3950
15°	3936
20°	3913
25°	3882
30°	3861
35°	3818
40°	3787
45°	3743
50°	3689
55°	3605
60°	3507
65°	3361
70°	3123
75°	2765
80°	2265
85°	1473



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.7	3.3
10°-20°	39.3	9.5
20°-30°	59.5	14.4
30°-40°	71.7	17.4
40°-50°	74.7	18.1
50°-60°	67.7	16.4
60°-70°	51.3	12.5
70°-80°	28.0	6.8
80°-90°	6.2	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°	112.5	27.3
0°-40°	184.2	44.7
0°-60°	326.6	79.3
0°-90°	412.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	412.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	146	
5°	145	14
15°	139	39
25°	129	59
35°	114	72
45°	97	75
55°	76	68
65°	52	51
75°	26	28
85°	5	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	145.7
2.5°	145.3
5°	144.6
7.5°	143.9
10°	142.4
12.5°	141.0
15°	139.2
17.5°	137.1
20°	134.6
22.5°	132.0
25°	128.8
27.5°	125.9
30°	122.4
32.5°	118.8
35°	114.5
37.5°	110.2
40°	106.2
42.5°	101.5
45°	96.9
47.5°	91.9
50°	86.8
52.5°	81.4
55°	75.7
57.5°	70.3
60°	64.2
62.5°	58.1
65°	52.0
67.5°	45.6
70°	39.1
72.5°	33.0
75°	26.2
77.5°	20.1
80°	14.4
82.5°	9.0
85°	4.7
87.5°	1.8
90°	0.0

(END OF REPORT)