

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: P365219

Luminaire Tested: **FLD6BX10D010-FEU6B12-8040-F6LBXVM1-MW-BL89BW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365219
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: FLD6BX10D010-FEU6B12-8040-F6LBXVM1-MW-BL89BW
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS ACRYLIC OPAL SMOOTH, CLEAR 0.125", 1000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 668.0 lumens
Efficiency: N/A
Efficacy: 66.8 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

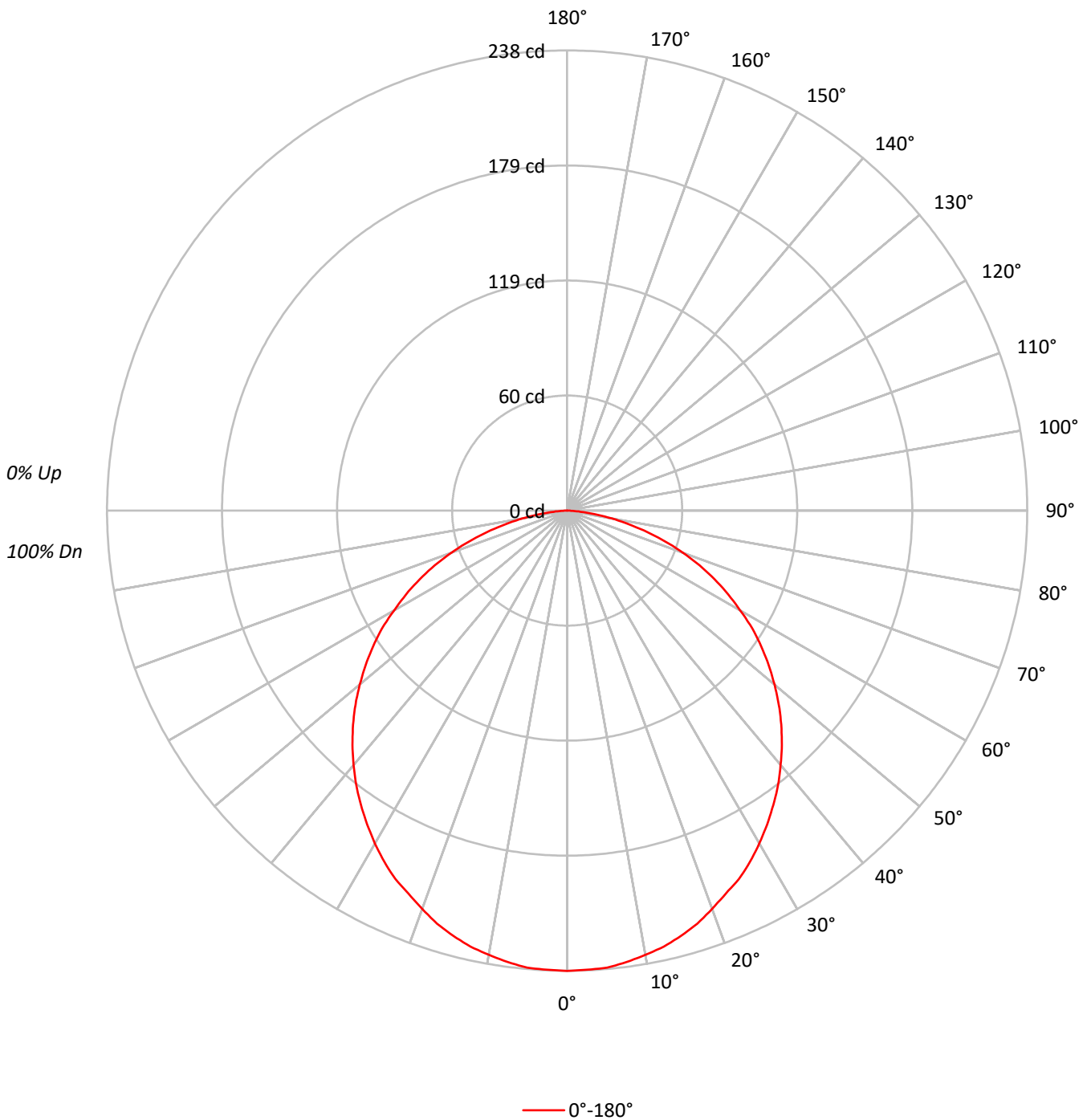
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	6504
5°	6507
10°	6471
15°	6439
20°	6372
25°	6338
30°	6270
35°	6199
40°	6126
45°	6049
50°	5949
55°	5839
60°	5643
65°	5436
70°	5087
75°	4538
80°	3665
85°	2194



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.5	3.4
10°-20°	64.2	9.6
20°-30°	96.8	14.5
30°-40°	116.3	17.4
40°-50°	120.7	18.1
50°-60°	109.4	16.4
60°-70°	83.1	12.4
70°-80°	45.4	6.8
80°-90°	9.5	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°	183.5	27.5
0°-40°	299.8	44.9
0°-60°	530.0	79.3
0°-90°	668.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	668.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	238	
5°	237	23
15°	228	64
25°	210	97
35°	186	116
45°	157	121
55°	123	109
65°	84	83
75°	43	45
85°	7	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	238.1
2.5°	237.7
5°	237.3
7.5°	235.5
10°	233.3
12.5°	231.0
15°	227.7
17.5°	224.0
20°	219.2
22.5°	214.4
25°	210.3
27.5°	204.8
30°	198.8
32.5°	192.5
35°	185.9
37.5°	179.2
40°	171.8
42.5°	164.4
45°	156.6
47.5°	148.5
50°	140.0
52.5°	131.4
55°	122.6
57.5°	113.7
60°	103.3
62.5°	94.0
65°	84.1
67.5°	74.1
70°	63.7
72.5°	53.3
75°	43.0
77.5°	32.6
80°	23.3
82.5°	14.4
85°	7.0
87.5°	1.9
90°	0.0

(END OF REPORT)