

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: P365240

Luminaire Tested: **FLD6BX10D010-FEU6B12-8050-F6LBXVM1-MW-BTR82**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365240
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-20)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX10D010-FEU6B12-8050-F6LBXVM1-MW-BTR82
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.187", 1000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 612.0 lumens
Efficiency: N/A
Efficacy: 61.2 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.09
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

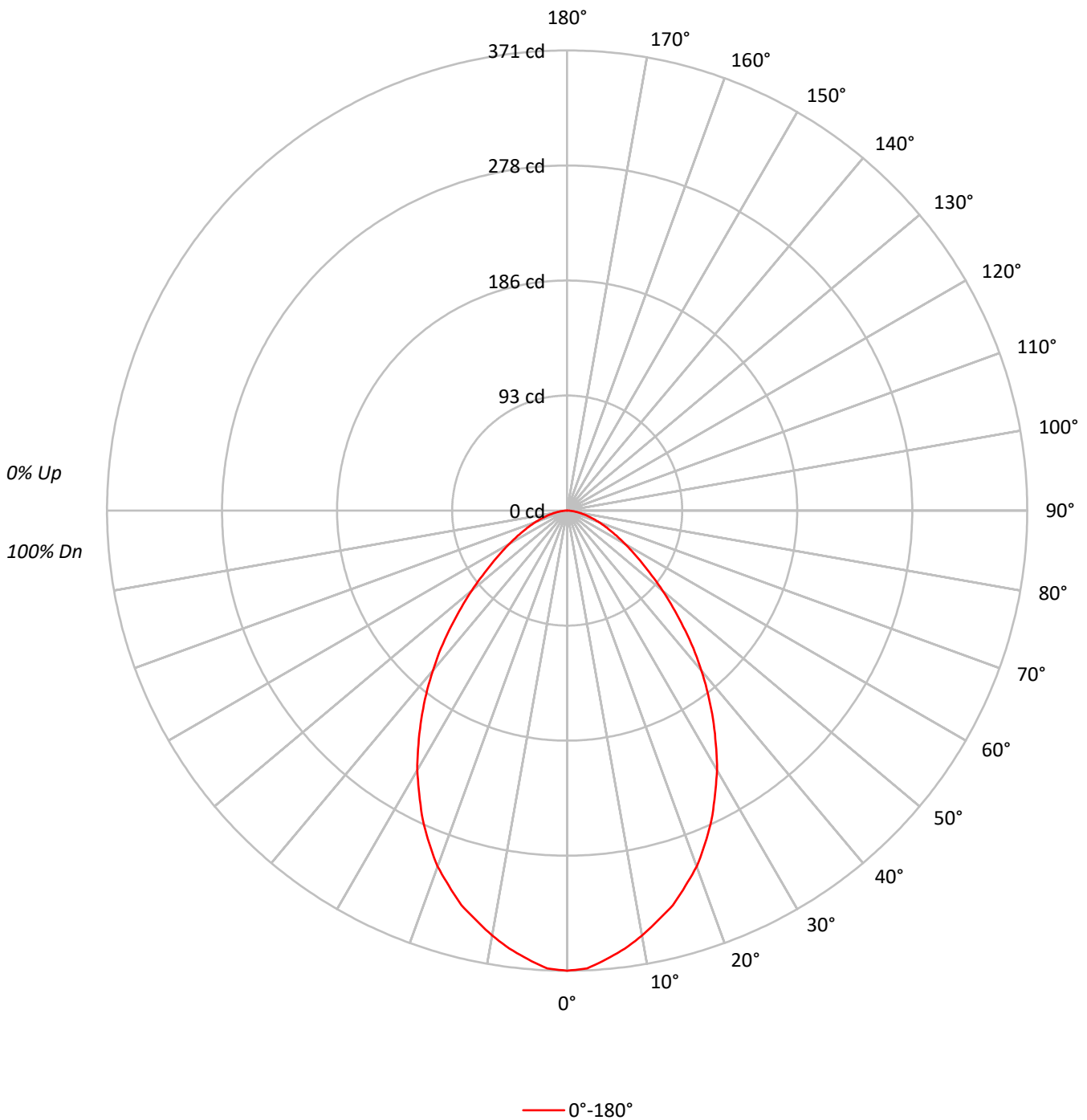
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	107	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77
3	95	86	79	74	93	85	78	73	82	77	72	79	75	71	77	73	70	68
4	88	78	71	65	86	77	70	64	74	68	64	72	67	63	70	66	62	60
5	82	71	63	58	80	70	63	57	68	62	57	66	61	56	64	59	56	54
6	77	65	57	52	75	64	57	51	62	56	51	61	55	50	59	54	50	48
7	72	60	52	46	70	59	52	46	57	51	46	56	50	46	55	50	45	44
8	67	55	47	42	66	54	47	42	53	47	42	52	46	42	51	46	41	40
9	63	51	44	39	62	51	43	39	49	43	38	48	42	38	47	42	38	36
10	60	48	40	36	58	47	40	36	46	40	35	45	39	35	44	39	35	34

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	26564
5°	26098
10°	25295
15°	24410
20°	23271
25°	21758
30°	19983
35°	17910
40°	15740
45°	13407
50°	11195
55°	9188
60°	7719
65°	6557
70°	5715
75°	4841
80°	3917
85°	3122



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.2	5.6
10°-20°	92.3	15.1
20°-30°	126.1	20.6
30°-40°	127.8	20.9
40°-50°	102.5	16.7
50°-60°	66.8	10.9
60°-70°	39.0	6.4
70°-80°	18.8	3.1
80°-90°	4.5	0.7
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°	252.7	41.3
0°-40°	380.5	62.2
0°-60°	549.8	89.8
0°-90°	612.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	612.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	371	
5°	363	34
15°	329	92
25°	275	126
35°	205	128
45°	132	102
55°	74	67
65°	39	39
75°	18	19
85°	4	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	371.0
2.5°	369.5
5°	363.1
7.5°	356.2
10°	347.9
12.5°	338.4
15°	329.3
17.5°	317.2
20°	305.4
22.5°	290.6
25°	275.4
27.5°	258.0
30°	241.7
32.5°	223.1
35°	204.9
37.5°	186.7
40°	168.4
42.5°	150.6
45°	132.4
47.5°	115.7
50°	100.5
52.5°	85.7
55°	73.6
57.5°	63.0
60°	53.9
62.5°	45.9
65°	38.7
67.5°	32.6
70°	27.3
72.5°	22.0
75°	17.5
77.5°	13.3
80°	9.5
82.5°	6.4
85°	3.8
87.5°	1.5
90°	0.0

(END OF REPORT)