

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: P365203

Luminaire Tested: **FLD6BX10D010-FEU6B12-8035-F6LBXVM1-MW-BTR81**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365203
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-19)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX10D010-FEU6B12-8035-F6LBXVM1-MW-BTR81
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.156", 1000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 577.0 lumens
Efficiency: N/A
Efficacy: 57.7 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.19
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

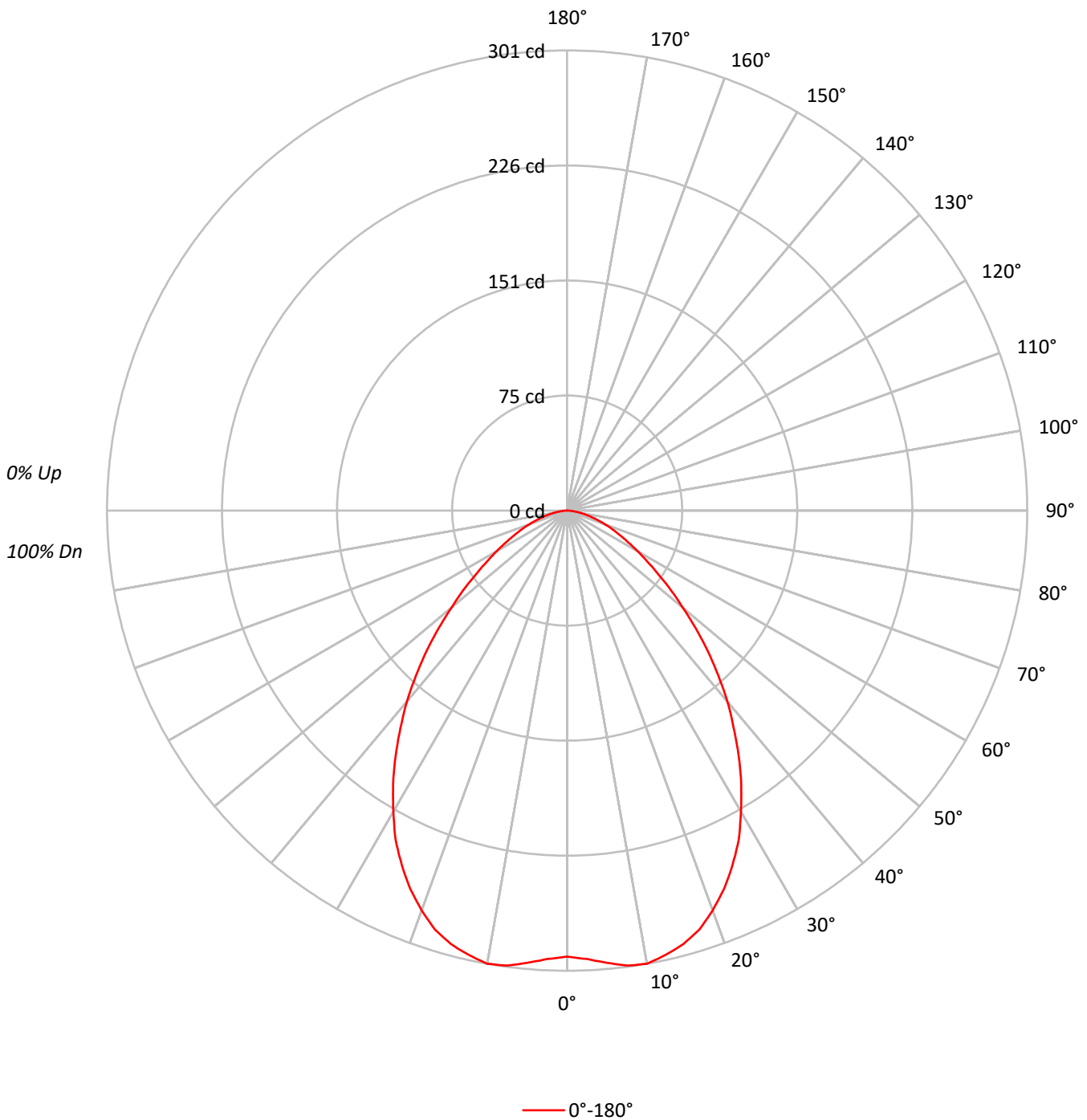
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	103	100	108	105	101	99	101	98	96	97	95	93	93	91	90	88
2	103	96	90	85	100	94	89	84	90	86	82	87	84	80	84	81	79	77
3	95	86	79	73	93	84	78	73	81	76	71	79	74	70	76	72	69	67
4	88	77	70	64	86	76	69	64	74	68	63	72	66	62	70	65	61	59
5	82	70	62	57	80	69	62	56	67	61	56	65	60	55	64	59	55	53
6	76	64	56	50	74	63	56	50	62	55	50	60	54	49	58	53	49	47
7	71	59	51	45	69	58	51	45	57	50	45	55	49	45	54	49	44	43
8	66	54	46	41	65	54	46	41	52	46	41	51	45	41	50	45	40	39
9	62	50	43	38	61	50	42	37	48	42	37	47	41	37	46	41	37	35
10	59	47	39	34	58	46	39	34	45	39	34	44	38	34	43	38	34	32

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	20893
5°	21340
10°	21885
15°	21764
20°	21198
25°	20217
30°	18793
35°	17106
40°	15245
45°	13174
50°	10983
55°	9100
60°	7618
65°	6455
70°	5527
75°	4565
80°	3629
85°	2711



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.5	4.9
10°-20°	82.5	14.3
20°-30°	117.3	20.3
30°-40°	122.0	21.1
40°-50°	100.2	17.4
50°-60°	66.2	11.5
60°-70°	38.4	6.6
70°-80°	17.9	3.1
80°-90°	4.1	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°	228.3	39.6
0°-40°	350.2	60.7
0°-60°	516.7	89.5
0°-90°	577.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	577.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	292	
5°	297	28
15°	294	82
25°	256	117
35°	196	122
45°	130	100
55°	73	66
65°	38	38
75°	16	18
85°	3	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	291.8
2.5°	293.6
5°	296.9
7.5°	300.2
10°	301.0
12.5°	297.7
15°	293.6
17.5°	287.4
20°	278.2
22.5°	268.0
25°	255.9
27.5°	243.0
30°	227.3
32.5°	211.9
35°	195.7
37.5°	178.9
40°	163.1
42.5°	146.3
45°	130.1
47.5°	114.0
50°	98.6
52.5°	85.8
55°	72.9
57.5°	62.3
60°	53.2
62.5°	45.1
65°	38.1
67.5°	32.3
70°	26.4
72.5°	21.3
75°	16.5
77.5°	12.5
80°	8.8
82.5°	5.9
85°	3.3
87.5°	1.5
90°	0.0

(END OF REPORT)