

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: P365222

Luminaire Tested: **FLD6BX10D010-FEU6B12-8040-F6LBXVM1-MW-BTR82**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365222
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-FEU6B12-8040-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: 598.1 lumens
Efficiency: N/A
Efficacy: 59.8 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

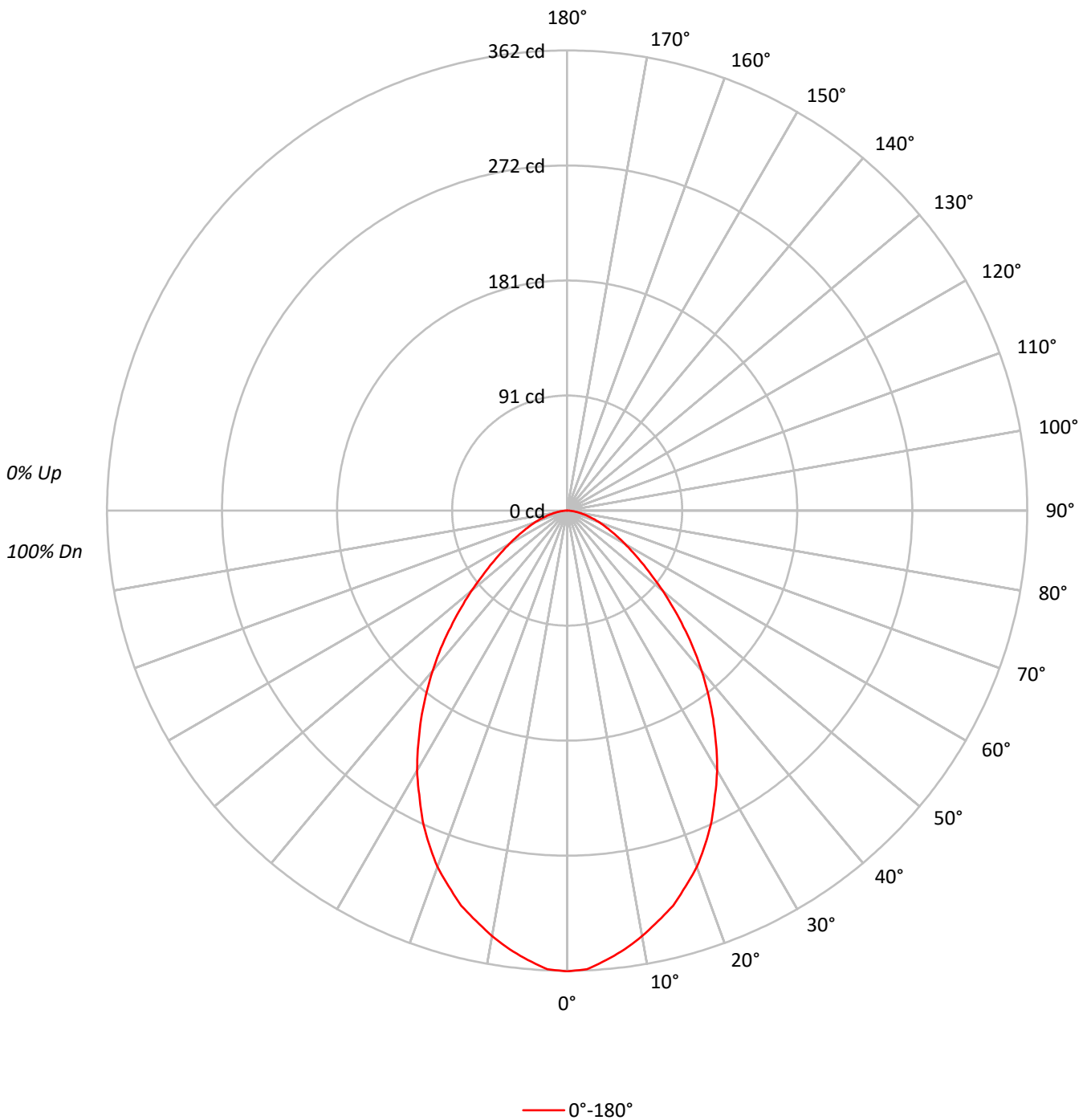
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	25956
5°	25501
10°	24713
15°	23854
20°	22737
25°	21260
30°	19520
35°	17499
40°	15385
45°	13103
50°	10939
55°	8976
60°	7533
65°	6404
70°	5590
75°	4731
80°	3835
85°	3040



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.4	5.6
10°-20°	90.2	15.1
20°-30°	123.2	20.6
30°-40°	124.9	20.9
40°-50°	100.2	16.8
50°-60°	65.2	10.9
60°-70°	38.1	6.4
70°-80°	18.3	3.1
80°-90°	4.4	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°	246.9	41.3
0°-40°	371.8	62.2
0°-60°	537.2	89.8
0°-90°	598.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	598.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	362	
5°	355	33
15°	322	90
25°	269	123
35°	200	125
45°	129	100
55°	72	65
65°	38	38
75°	17	18
85°	4	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	362.5
2.5°	361.1
5°	354.8
7.5°	348.1
10°	339.9
12.5°	330.7
15°	321.8
17.5°	309.9
20°	298.4
22.5°	284.0
25°	269.1
27.5°	252.1
30°	236.1
32.5°	218.0
35°	200.2
37.5°	182.4
40°	164.6
42.5°	147.2
45°	129.4
47.5°	113.1
50°	98.2
52.5°	83.8
55°	71.9
57.5°	61.5
60°	52.6
62.5°	44.9
65°	37.8
67.5°	31.9
70°	26.7
72.5°	21.5
75°	17.1
77.5°	13.0
80°	9.3
82.5°	6.3
85°	3.7
87.5°	1.5
90°	0.0

(END OF REPORT)