

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: P365257

Luminaire Tested: **FLD6BX15D010-FEU6B12-8027-F6LBXVM1-MW-BTR81**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365257
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: FLD6BX15D010-FEU6B12-8027-F6LBXVM1-MW-BTR81
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.156", 1500LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 736.0 lumens
Efficiency: N/A
Efficacy: 51.8 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

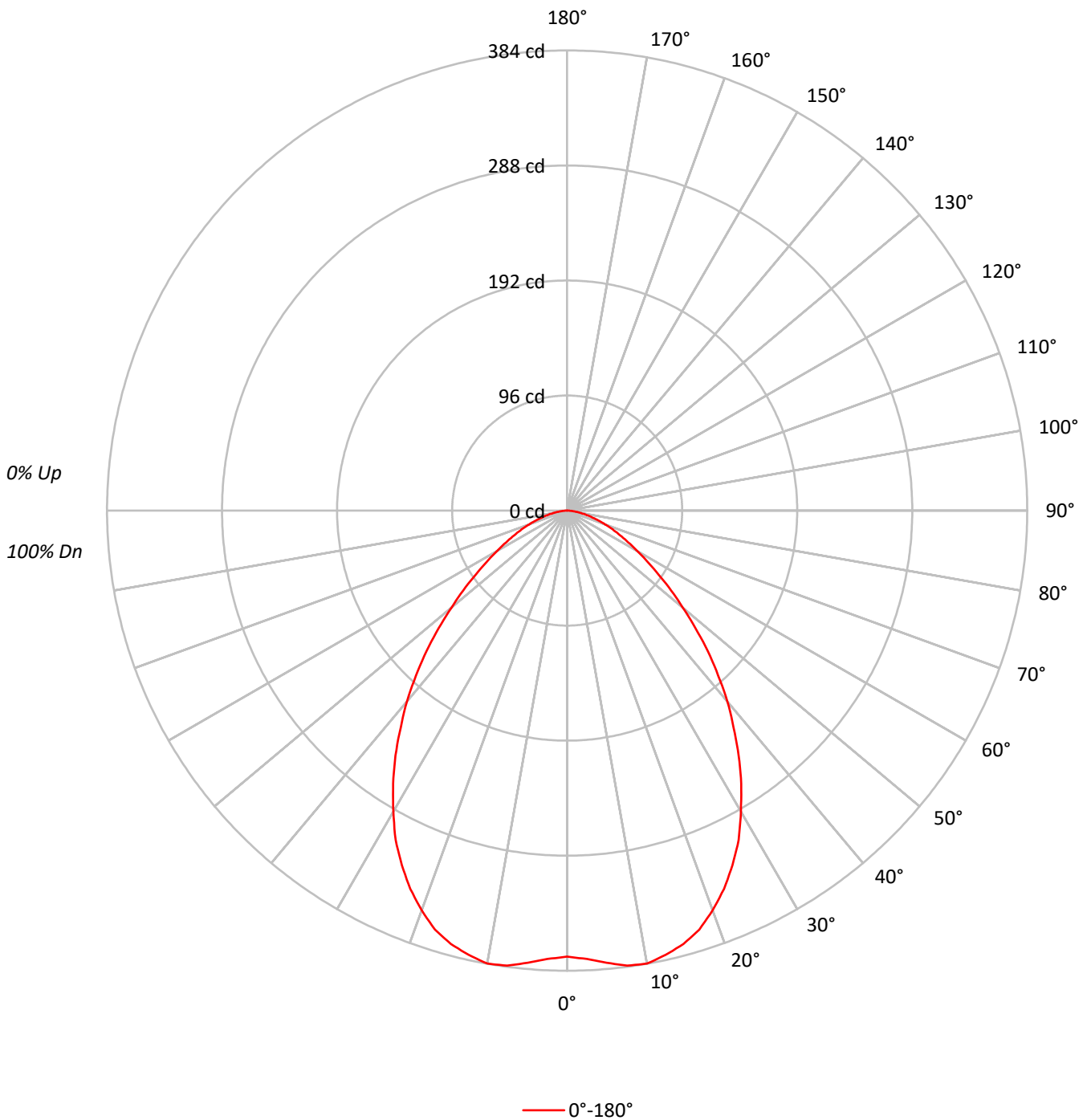
Input Watts (W): 14.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	51	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°	26650
5°	27219
10°	27912
15°	27761
20°	27042
25°	25787
30°	23969
35°	21826
40°	19451
45°	16809
50°	14013
55°	11610
60°	9709
65°	8234
70°	7055
75°	5810
80°	4618
85°	3450



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.3	4.9
10°-20°	105.2	14.3
20°-30°	149.6	20.3
30°-40°	155.6	21.1
40°-50°	127.9	17.4
50°-60°	84.4	11.5
60°-70°	48.9	6.6
70°-80°	22.8	3.1
80°-90°	5.2	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°	291.2	39.6
0°-40°	446.8	60.7
0°-60°	659.1	89.6
0°-90°	736.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	736.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	372	
5°	379	36
15°	374	105
25°	326	150
35°	250	156
45°	166	128
55°	93	84
65°	49	49
75°	21	23
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	372.2
2.5°	374.5
5°	378.7
7.5°	383.0
10°	383.9
12.5°	379.7
15°	374.5
17.5°	366.6
20°	354.9
22.5°	341.8
25°	326.4
27.5°	310.0
30°	289.9
32.5°	270.3
35°	249.7
37.5°	228.2
40°	208.1
42.5°	186.6
45°	166.0
47.5°	145.4
50°	125.8
52.5°	109.4
55°	93.0
57.5°	79.5
60°	67.8
62.5°	57.5
65°	48.6
67.5°	41.1
70°	33.7
72.5°	27.1
75°	21.0
77.5°	15.9
80°	11.2
82.5°	7.5
85°	4.2
87.5°	1.9
90°	0.0

(END OF REPORT)