

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: P365298

Luminaire Tested: **FLD6BX15D010-FEU6B12-8035-F6LBXVM1-MW-BTR87**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365298
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-18)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX15D010-FEU6B12-8035-F6LBXVM1-MW-BTR87
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.375", 1500LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 868.0 lumens
Efficiency: N/A
Efficacy: 61.1 lumens/watt
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.84
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

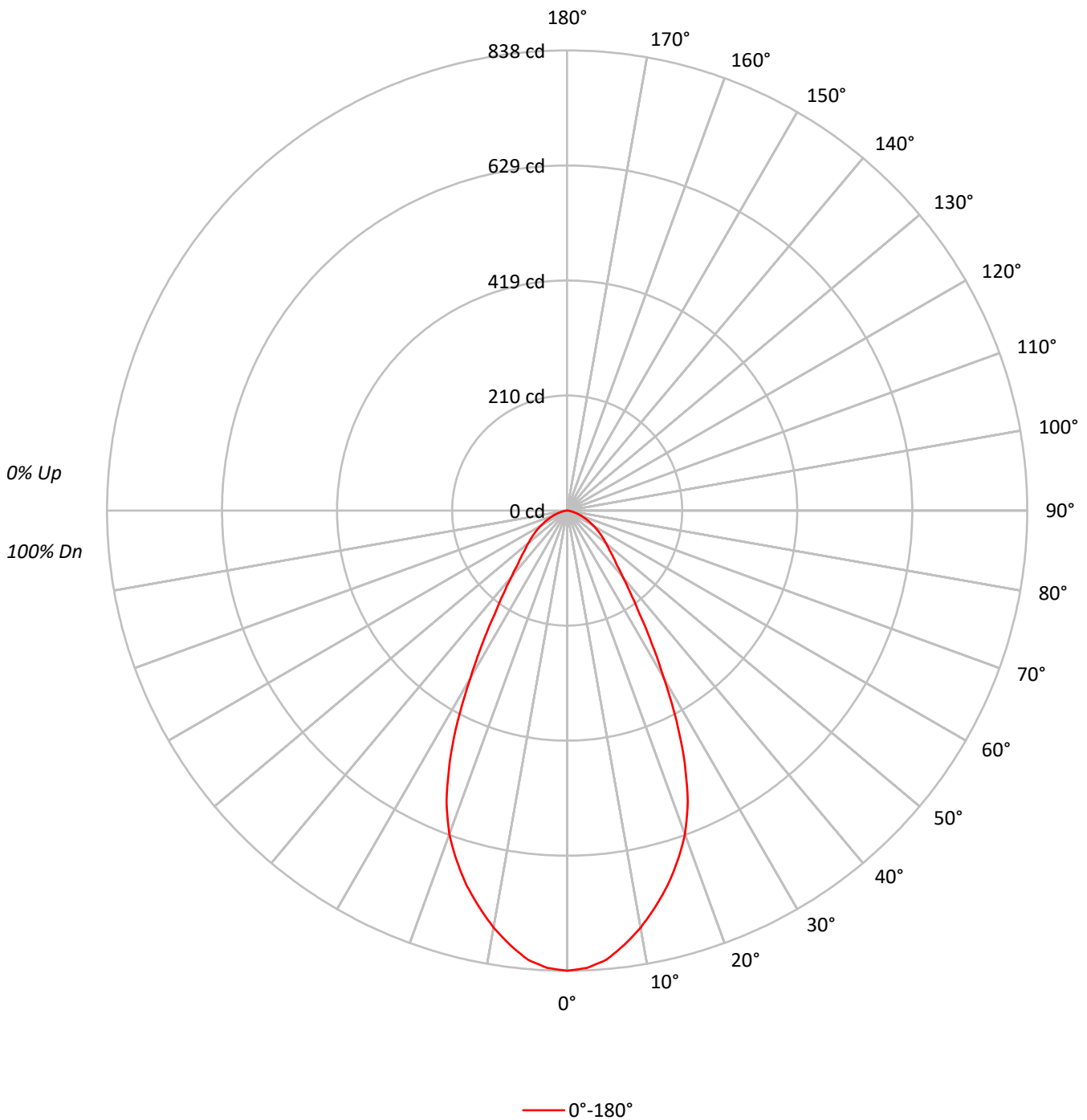
Input Watts (W): 14.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	109	106	103	110	106	104	101	102	100	98		99	97	95		95	94	92	91
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	86	83	82
3	99	91	85	80	96	89	84	79	87	82	78		84	80	77		82	78	76	74
4	92	84	77	72	91	82	76	71	80	75	71		78	73	70		76	72	69	67
5	87	77	70	65	85	76	70	65	74	69	64		73	68	64		71	67	63	61
6	82	72	65	60	80	71	64	60	69	63	59		68	63	59		66	62	58	57
7	77	67	60	55	76	66	60	55	65	59	55		63	58	54		62	58	54	52
8	73	62	56	51	72	62	55	51	61	55	51		60	54	50		59	54	50	49
9	69	59	52	48	68	58	52	47	57	51	47		56	51	47		55	50	47	45
10	66	55	49	44	65	55	49	44	54	48	44		53	48	44		52	47	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	60002
5°	59017
10°	56071
15°	52393
20°	47806
25°	40023
30°	29136
35°	20157
40°	14740
45°	11878
50°	10282
55°	9100
60°	7933
65°	6760
70°	5548
75°	4150
80°	2886
85°	2465



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.7	8.8
10°-20°	197.4	22.7
20°-30°	227.8	26.2
30°-40°	148.6	17.1
40°-50°	92.2	10.6
50°-60°	65.5	7.5
60°-70°	39.8	4.6
70°-80°	16.5	1.9
80°-90°	3.4	0.4
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°	501.9	57.8
0°-40°	650.5	74.9
0°-60°	808.3	93.1
0°-90°	868.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	868.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	838	
5°	821	77
15°	707	197
25°	507	228
35°	231	149
45°	117	92
55°	73	66
65°	40	40
75°	15	17
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	838.0
2.5°	833.5
5°	821.1
7.5°	797.6
10°	771.2
12.5°	739.7
15°	706.8
17.5°	668.8
20°	627.4
22.5°	574.0
25°	506.6
27.5°	431.2
30°	352.4
32.5°	286.5
35°	230.6
37.5°	189.2
40°	157.7
42.5°	134.3
45°	117.3
47.5°	103.3
50°	92.3
52.5°	82.4
55°	72.9
57.5°	64.4
60°	55.4
62.5°	47.4
65°	39.9
67.5°	32.9
70°	26.5
72.5°	20.5
75°	15.0
77.5°	10.5
80°	7.0
82.5°	4.5
85°	3.0
87.5°	1.5
90°	0.0

(END OF REPORT)